



PARTS CATALOGUE

HK-17

ISSUE ~ 1

ESCORTS CONSTRUCTION EQUIPMENT LIMITED

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ENGINE

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GROUP No. 1

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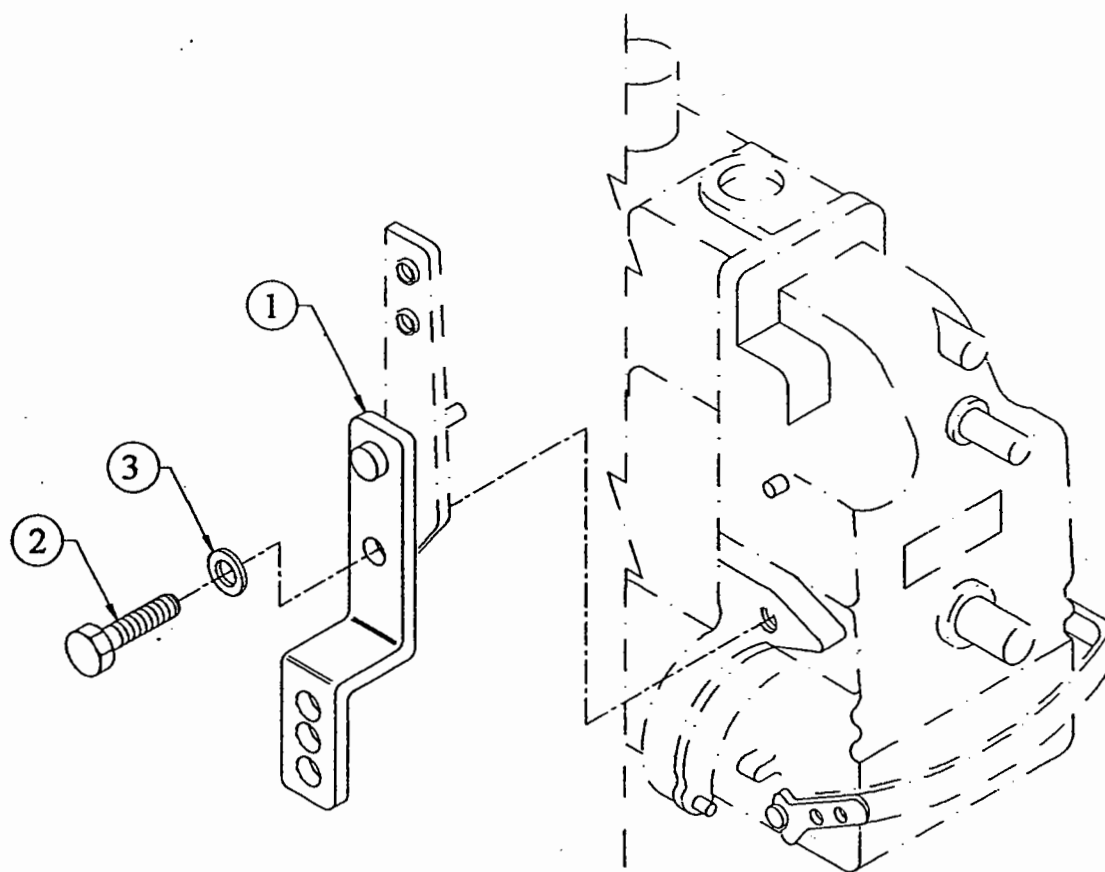
GROUP No. 1

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GROUP No. 1

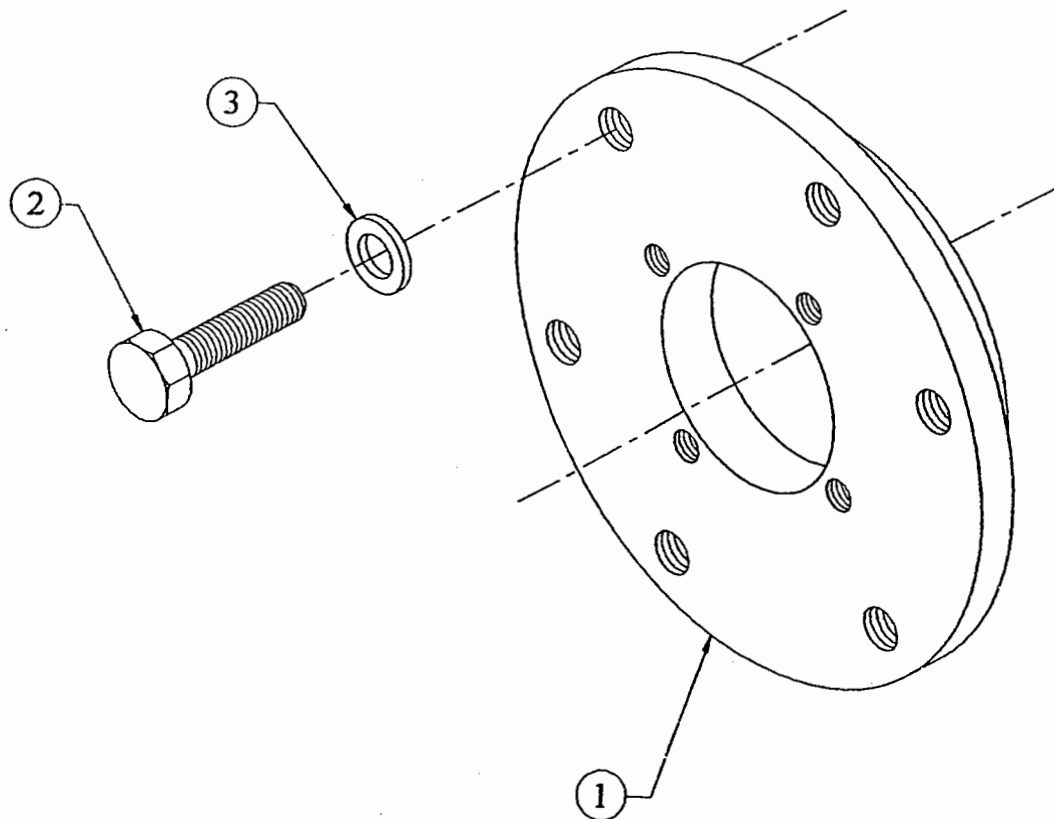
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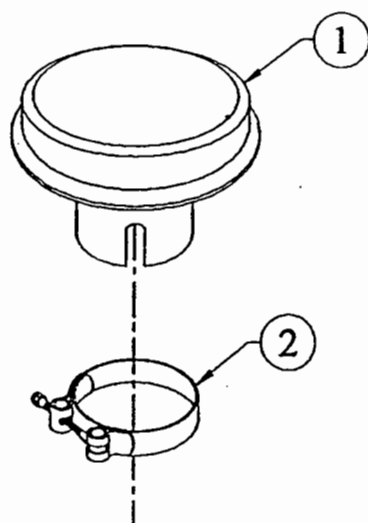
ACCELARATOR LEVER (PULL TYPE)

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 1	ENGINE	GROUP 1	PAGE 2
S.NO.	PART NO.	DESCRIPTION Accelerator Lever (Pull Type)	QUANTITY	NOTE
1	4H.088.01.0.00	Acceleator Lever (Pull Type)	1	
2	50.003.06.012	Set screw - M6x1x12 - 8.8	1	
3	50.506.06.000	Plain Machined Washer -M6	1	



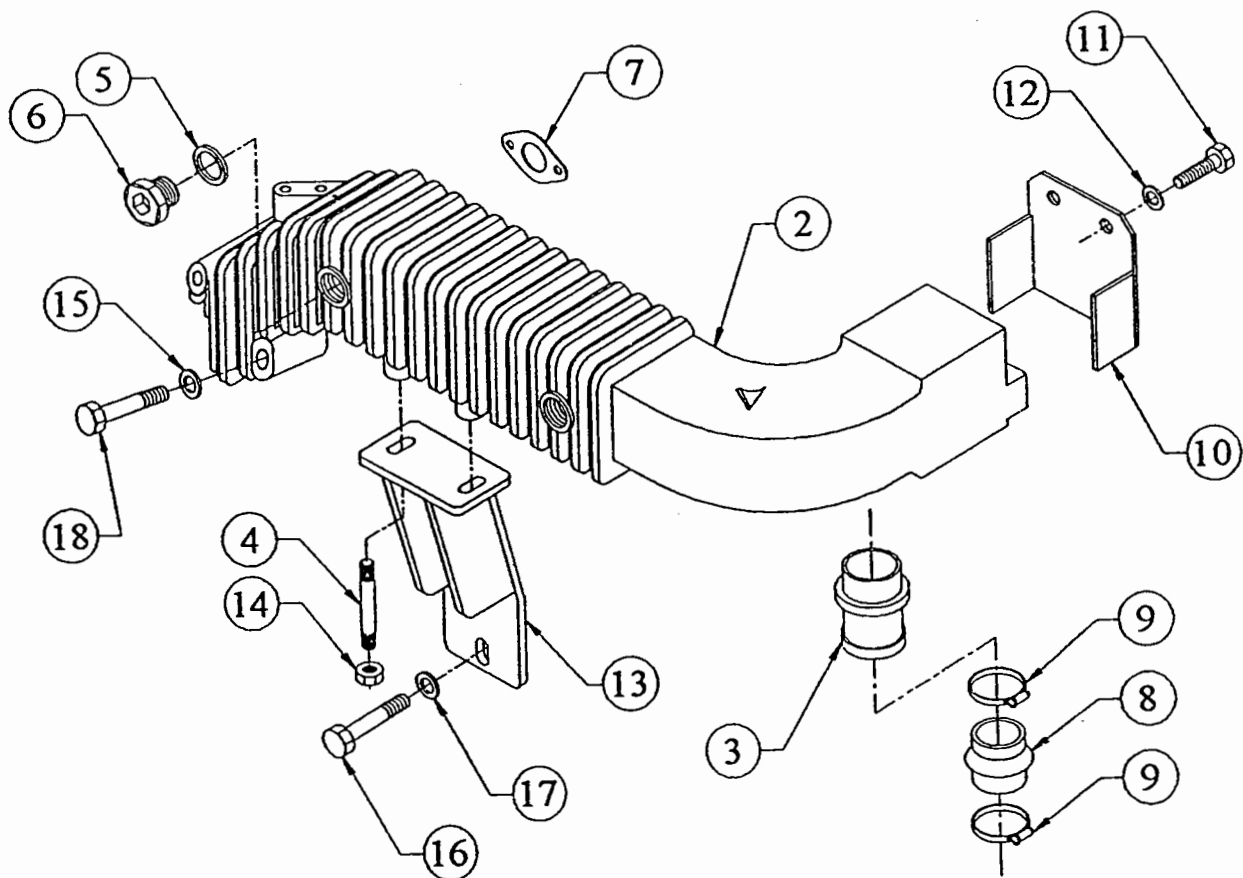
ADOPTOR ON CRANK PULLEY



AIR CLEANER CAP

ECEL HK-17 CRANE**PARTS CATALOGUE**

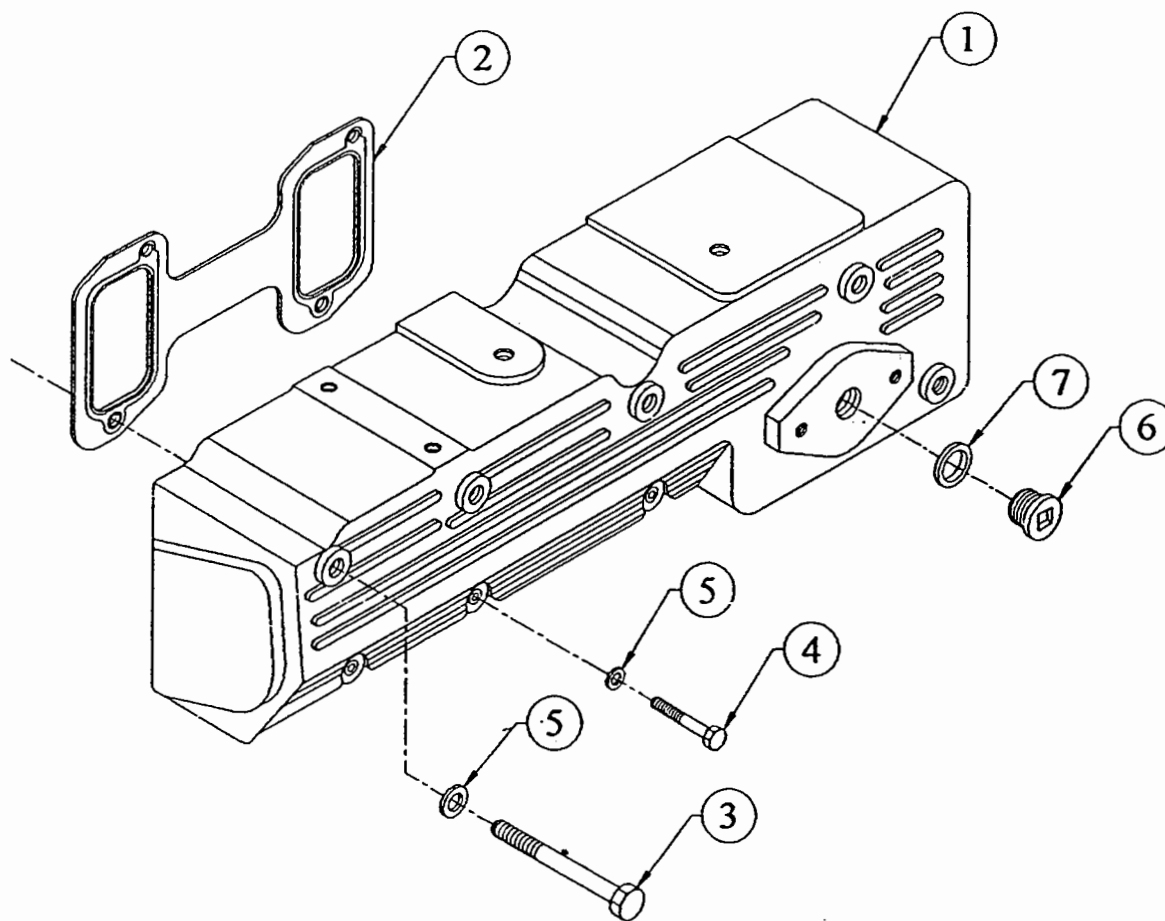
ISSUE 01	FIGURE NO. 3	ENGINE	GROUP 1	PAGE 6
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Air Cleaner Cap		
1	49.403.03.0.00	Air Inlet Cap	1	
2	06.376.04.0.00	T Bolt Clamp Klipco TB 108/ Jupitor (108 To 116)	1	



AIR DELIVERY PIPE

ECEL HK-17 CRANE**PARTS CATALOGUE**

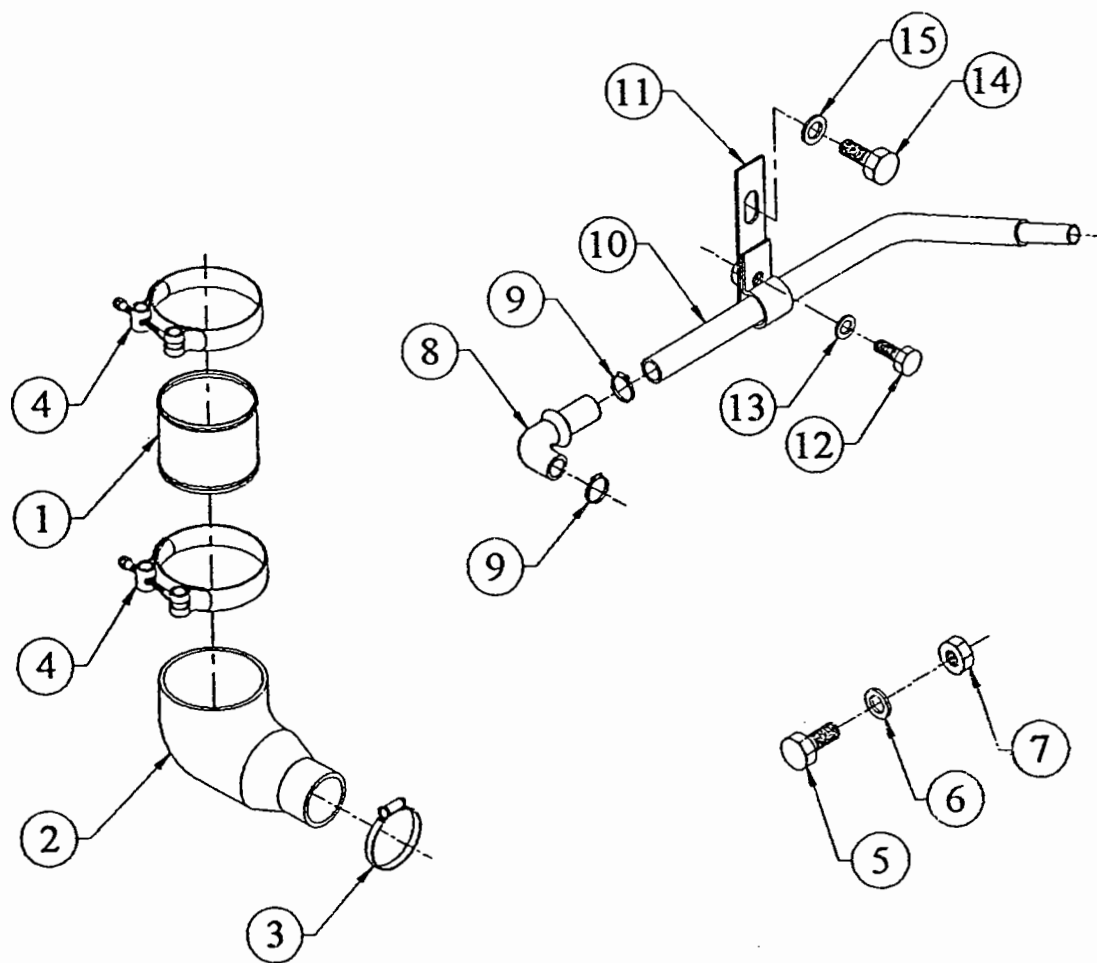
ISSUE 01	FIGURE NO. 4	ENGINE	GROUP 1	PAGE 8
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Air Delivery Pipe		
*1	4H.131.10.0.00	Assembly of Air Delivery Pipe	1	
2	4H.131.01.0.00	Air Delivery Pipe (For K26 Turbocharger)	1	
3	4H.131.02.0.00	Adaptor for Air Delivery Pipe	1	
4	50.010.08.016	Stud - M8x1.25x16 -8.8	2	
5	50.508.34.000	Copper washer (30 x36)	2	
6	50.610.30.000	Core Plug -Hexagonal Socket Head	2	
7	34.040.02.0.00	Joint For Flange	1	
8	4H.168.03.0.00	Rubber Hose (Compressor Outlet)	1	
9	30.650.04.0.00	Hose Clip (S.S.60 DiA.)	2	
10	4H.131.04.0.00	Heat Shield	1	
11	50.003.06.012	Set Screw -M6x12 -8.8	3	
12	50.506.06.000	Plain Machined Washer -M6	3	
13	4H.131.03.0.00	Bracket For Air Delivery Pipe	1	
14	50.006.08.000	Nut-M8x1.25 -Gr.8	2	
15	50.506.08.000	Plain Machined Washer M8	2	
16	50.003.10.020	Set screw -M10x1.5x20-8.8	2	
17	50.506.10.000	Plain Machined Washer -M10	2	
18	50.002.08.075	Set Bolt	2	



AIR INLET MANIFOLD

ECEL HK-17 CRANE**PARTS CATALOGUE**

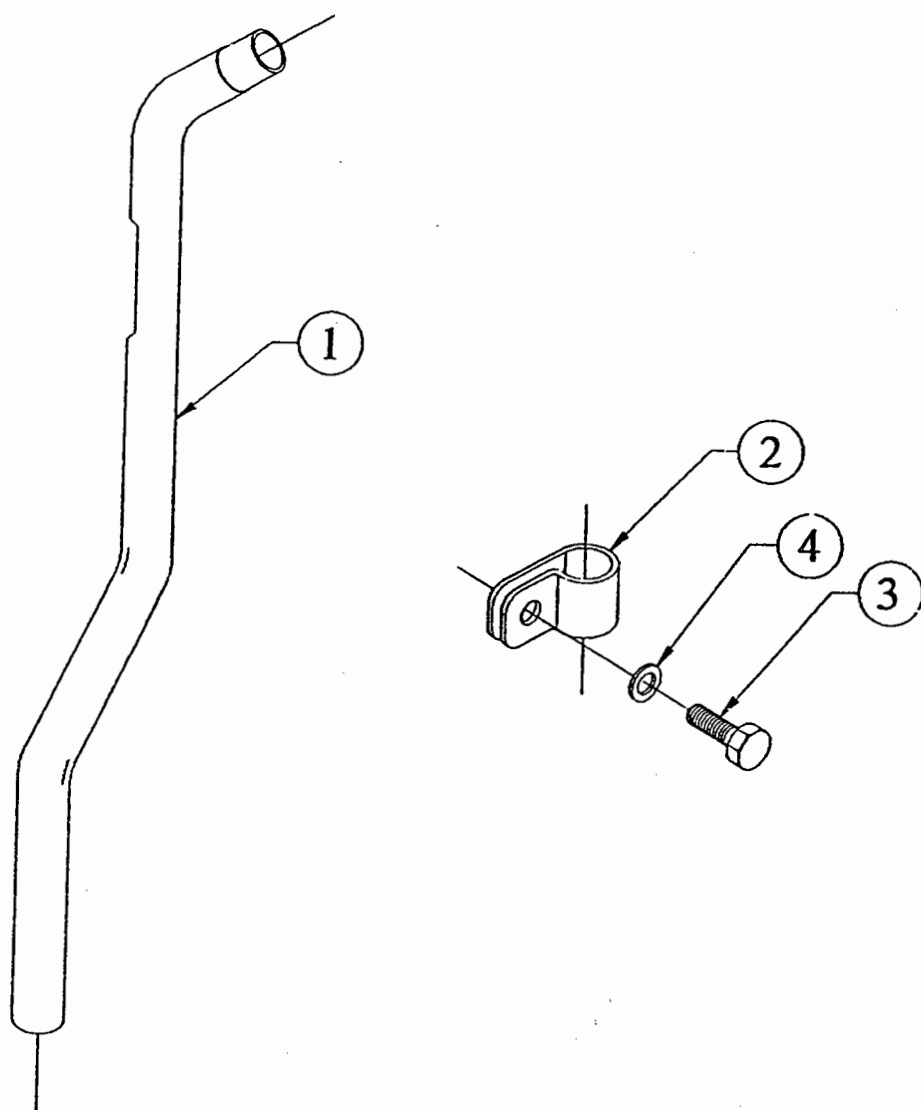
ISSUE 01	FIGURE NO. 5	ENGINE	GROUP 1	PAGE 10
S.NO.	PART NO.	DESCRIPTION Air Inlet Manifold (FEW Opening)	QUANTITY	NOTE
1	4H.030.01.0.00	Air Inlet Manifold (FEW Opening)	1	
2	4H.030.02.0.00	joint	2	
3	50.002.08.120	Set Bolt -M8x1.25 x120 -8.8	5	
4	50.002.08.065	Set Bolt -M8x1.25 x65-8.8	3	
5	50.506.08.000	Plain Machined Washer -M8	8	
6	04.001.04.0.00	Screw Plug (M20 x 1.5)	1	
7	50.508.18.000	Copper Washer (20x24)	1	



AIR INLET PIPING

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 6	ENGINE	GROUP 1	PAGE 12
S.NO.	PART NO.	Air Inlet Piping , 4RT Gear Driven Comp. & Remote Air Cleaner Mtg.	QUANTITY	NOTE
1	4H.442.02.0.00	Sleeve (For Air Cleaner Hose)Rubber Hose (100x51)	1	
2	4H.442.03.0.00	Suitable For K26 Turbocharger	1	
3	30.650.04.0.00	Hose Clip (S.S.60 Dia.)	1	
4	06.376.04.0.00	T Bolt Clamp Klip co TB 108 /Jupitor (108 To 116 DIA)	3	
5	50.003.10.025		4	
6	50.506.10.000	Set Screw -M10X1.x25 -8.8	8	
7	50.006.10.000	Plain Machined washer -M10	4	
8	4H.442.04.0.00	Nut -M10x1.5- GR.8	1	
9	50.519.06.000	Rubber Hose (For Air Clnr Pipe To Comp.)	2	
10	4H.442.05.0.00	Worm Drive Hose Clip (30MM)	1	
11	4H.442.06.0.00	Air Inlet Pipe From Air Cleaner To Comp.	1	
12	50.003.08.020	Clamp For Inlet Pipe For Compressor	1	
13	50.506.08.000	Serscrew -M8x1.25 x 20 -8.8	1	
14	50.003.10.000	Plain Machined Washer -M8	1	
15	50.548.10.000	Special washer	1	

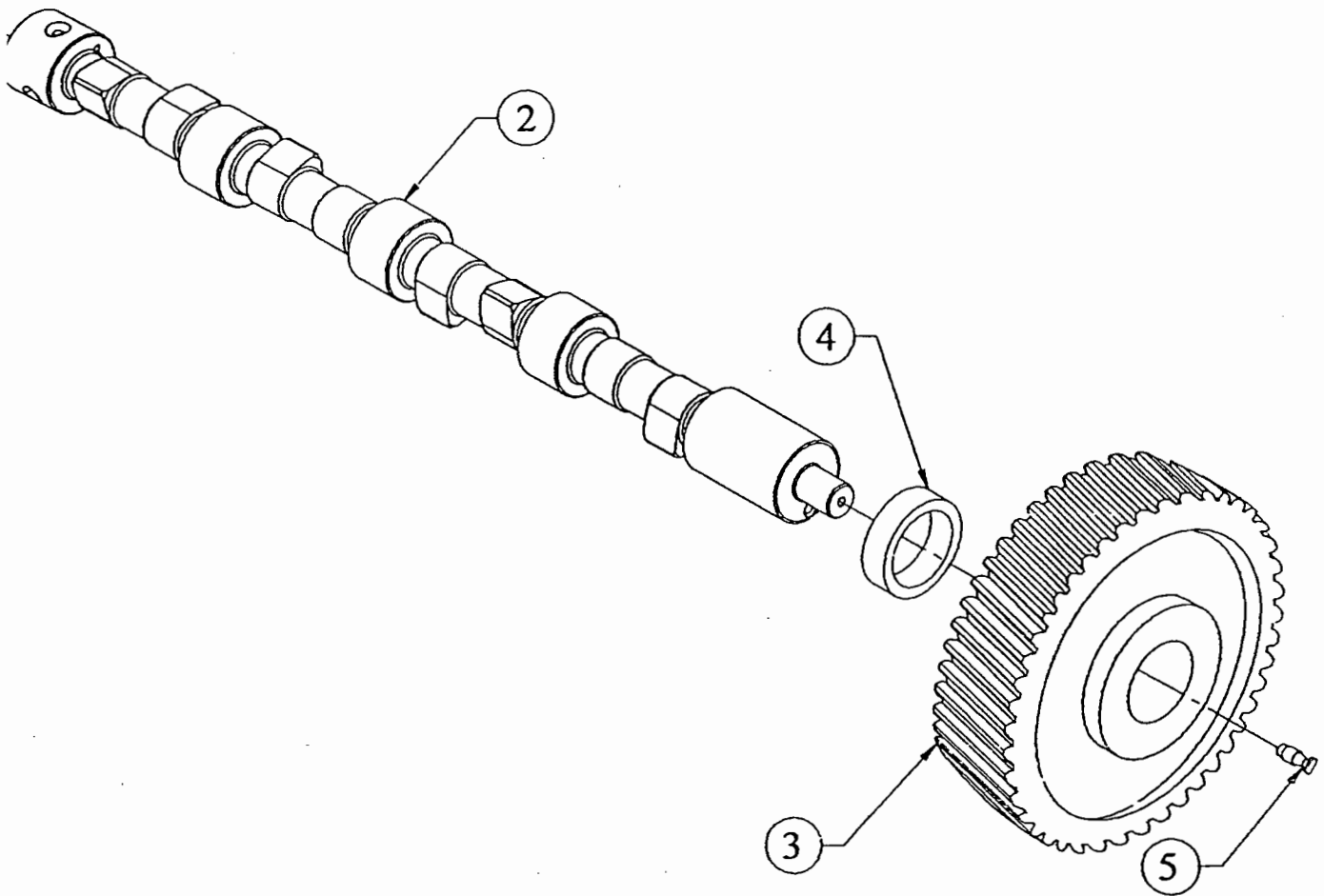


BREATHER PIPE

ECEL HK-17 CRANE

PARTS CATALOGUE

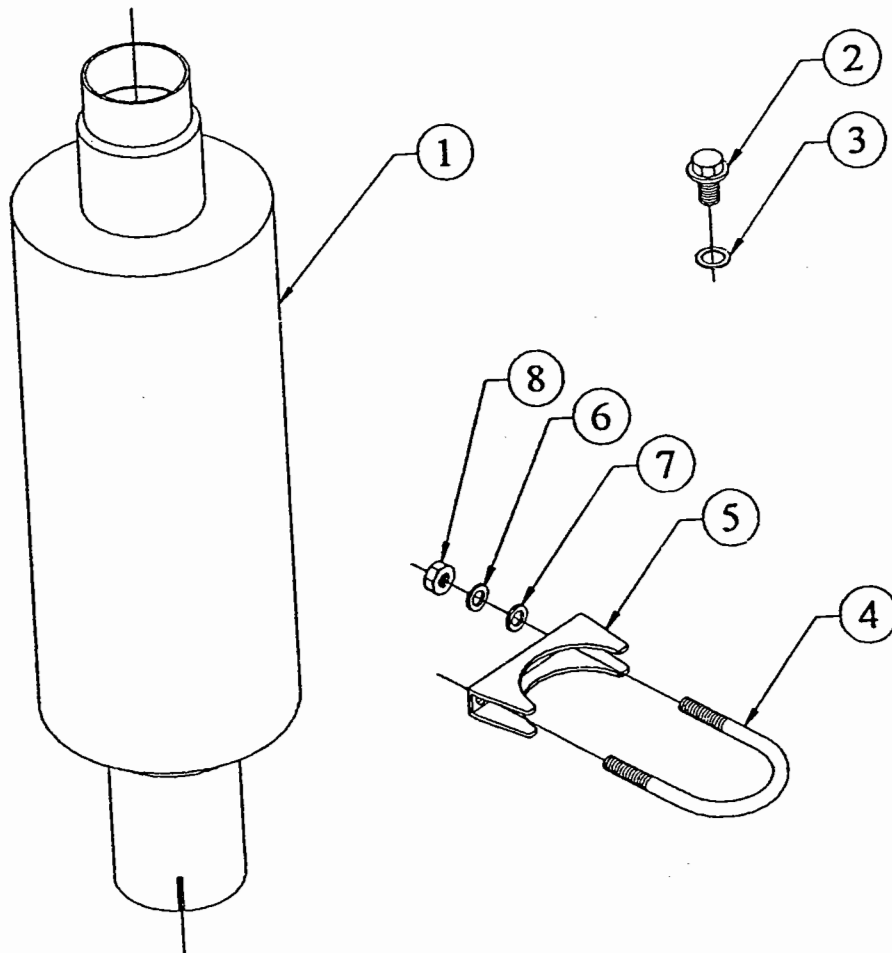
ISSUE 01	FIGURE NO. 7	ENGINE	GROUP 1	PAGE 14
S.NO.	PART NO.	DESCRIPTION Breather Pipe (Turbo Engine)	QUANTITY	NOTE
1	4H.161.05.0.00	Breather Pipe	1	
2	4H.161.06.0.00	Clip For Breather Pipe	1	
3	50.003.08.020	Setscrew -M8x1.25 x20 -8.8	1	
4	50.506.08.000.	Plain Machined Washer	1	



CAMSHAFT

ECEL HK-17 CRANE**PARTS CATALOGUE**

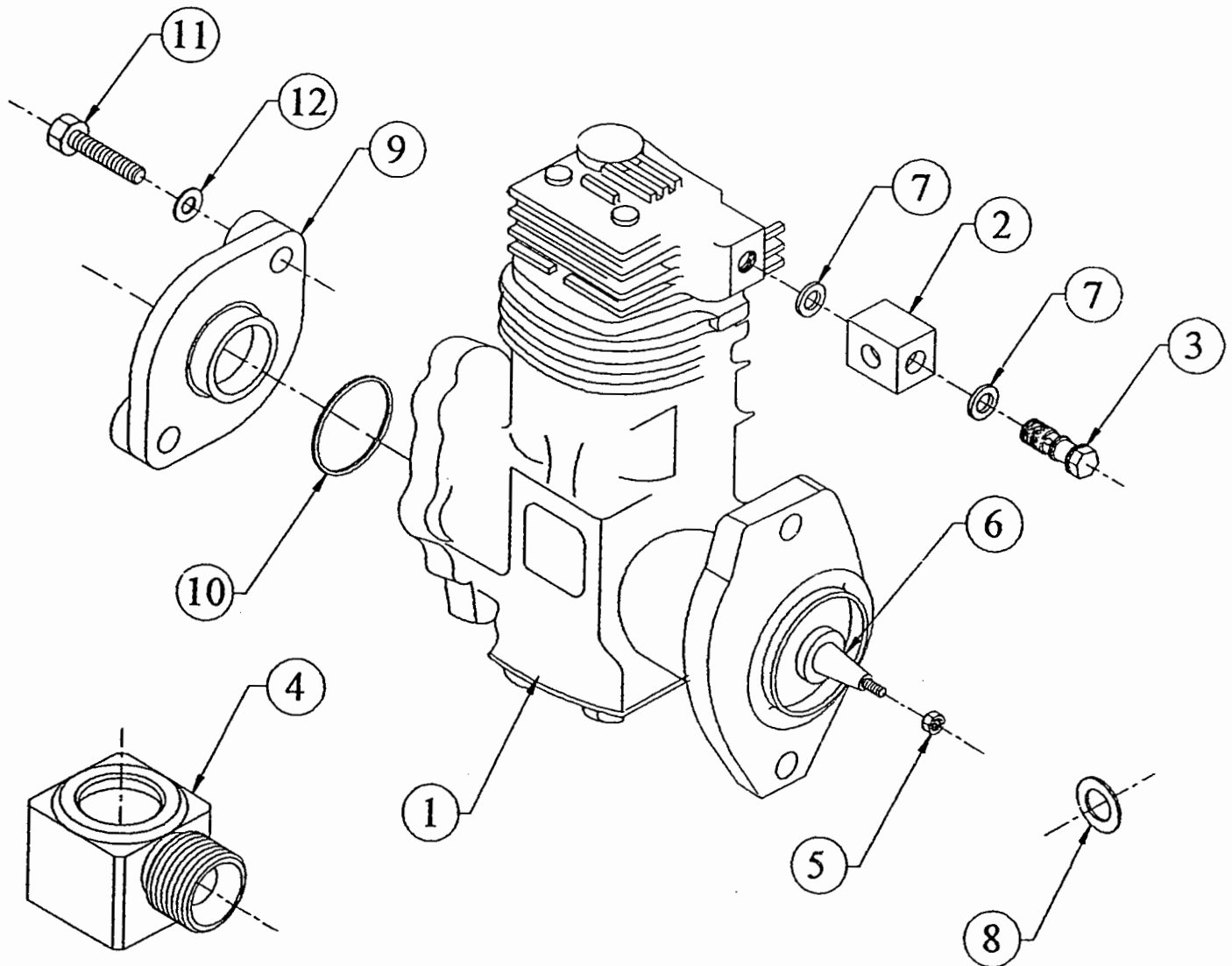
ISSUE 01	FIGURE NO. 8	ENGINE	GROUP 1	PAGE 16
S.NO.	PART NO.	Camshaft (For 4R 1040 Industrial Engines in Steel Forging	QUANTITY	NOTE
*1	4H.11230.10.0.00	Camshaft Assembly (For Industrial Engines With Steel Forging)	1	< Consisting Of Sr No. 2 & 3
2	4H.003.03.0.00	Camshaft	1	
3	03.006.04.0.00	Camshaft Gear	1	
4	4H.003.02.0.00	Thrust Washer For Camshaft	1	
5	03.117.02.0.00	Pin	1	



COMBINED EXH. SILENCER & SPARK ARRESTOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

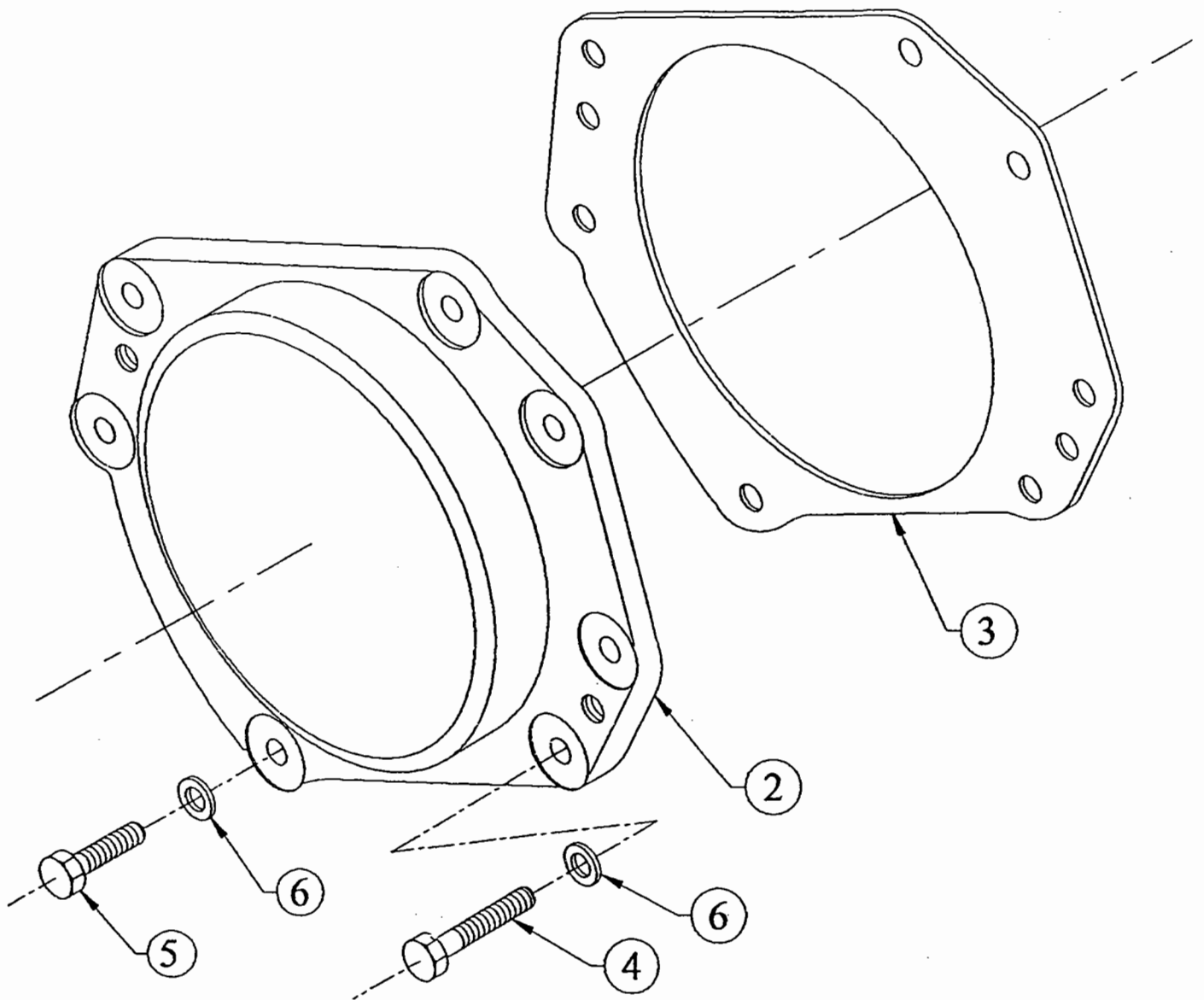
ISSUE 01	FIGURE NO. 9	ENGINE	GROUP 1	PAGE 18
S.NO.	PART NO.	DESCRIPTION Combined Exh Silencer & Spark Arrestor	QUANTITY	NOTE
1	04.421.01.0.00	Combined Exh Silencer & Spark Arrestor	1	
2	50.602.14.000	Plug (M14x1.5)	1	
3	50.508.12.000	Copper Washer (14x20)	1	
4	06.089.02.0.00	U Clamp	1	
5	06.089.03.0.00	Clamping Plate	1	
6	50.506.10.000	Plain Machined Washer -M10	2	
7	50.505.10.000	Spring washer -M10	2	
8	50.006.10.000	Nut -M10x1.5 -GR.8	2	



COMPRESSOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 10	ENGINE	GROUP 1	PAGE 20
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Compressor SC 160 (M100882)		
1	3H.107.02.000	Compressor SC 160 (M100961)	1	
2	06.751.40.0.00	Banjo Coupling HSWV 15 -PL- M22 x1.5 (Hyloc)	2	
3	06.751.06.0.00	Banjo Bolt (M22x1.5)	1	
4	06.751.01.0.00	Right Angle Adaptor For SC 160 Comp.	1	
5	06.751.07.0.00	Nut M22x 1.5, M15-L, Hyloc	1	
6	06.751.08.0.00	Ferrul, D15 -L (Hyloc)	1	
7	50.508.25.000	Copper Washer (22.2x28.5)	2	
8	50.508.23.000	Copper Washer (22x27)	2	
9	03.609.16.0.00	Cover Plate	1	
10	03.609.17.0.00	"O" Ring For Cover Plate	1	
11	50.003.10.030	Set Screw -M10x1.5x30 -8.8	2	
12	50.506.10.000.	Plain Machined Washer -M10	2	

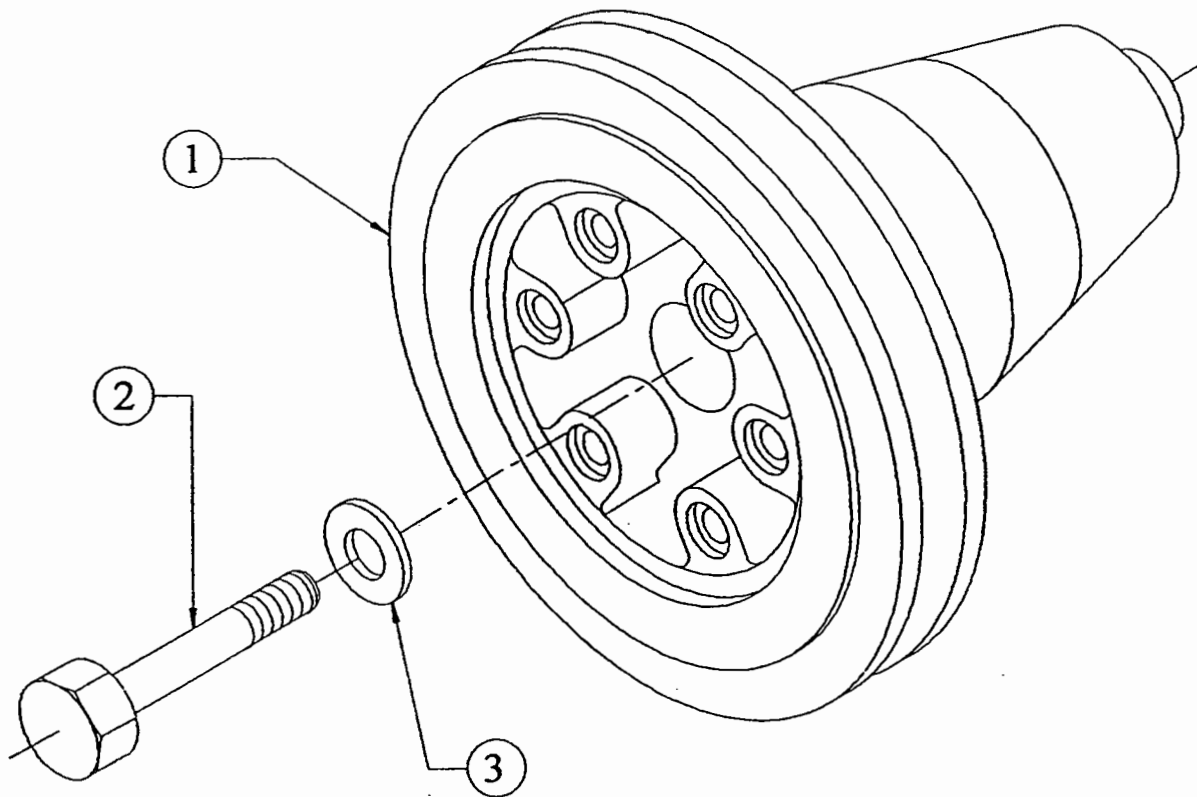


COVER FOR FUEL PUMP GEAR

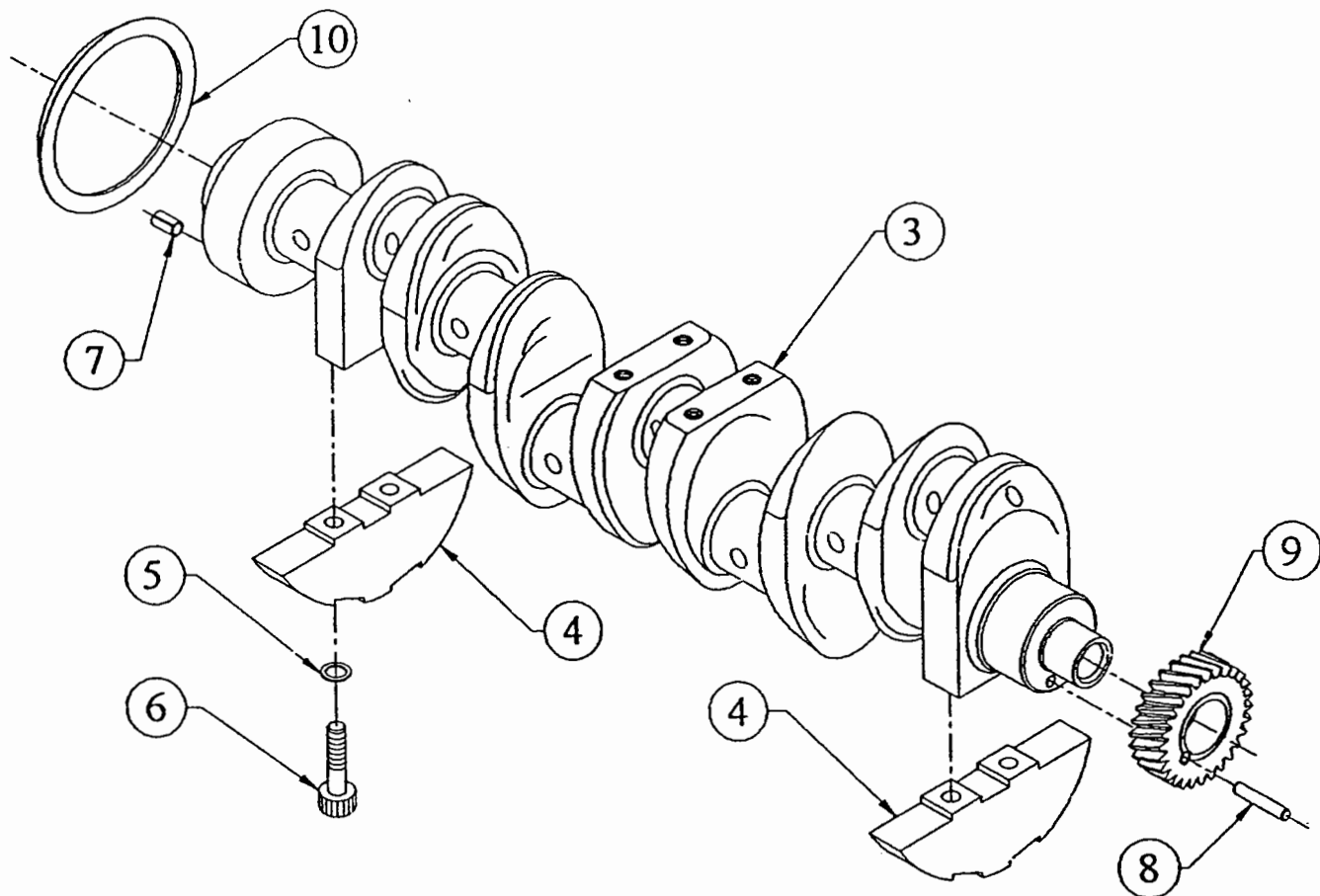
ECEL HK-17 CRANE

PARTS CATALOGUE

ISSUE 01	FIGURE NO. 11	ENGINE	GROUP 1	PAGE 22
S.NO.	PART NO.	DESCRIPTION Cover For Fuel Pump Gear (Auto Timer)	QUANTITY	NOTE
*1	2H.017.10.0.00	Fuel Pump Cover With Joint	1	< Consist Of Sr. No. 2 &3
2	2H.017.03.0.00	Cover For Fuel Pump Gear	1	
3	2H.017.02.0.00	Joint For Cover For Fuel Pump Gear	1	
4	50.002.08.045	Set Bolt -M8x1.25x45 -8.8	5	
5	50.003.08.020	Set Screw -M8x1.25x20 -8.8	2	
6	50.506.08.000	Plain Machined Washer -M8	7	



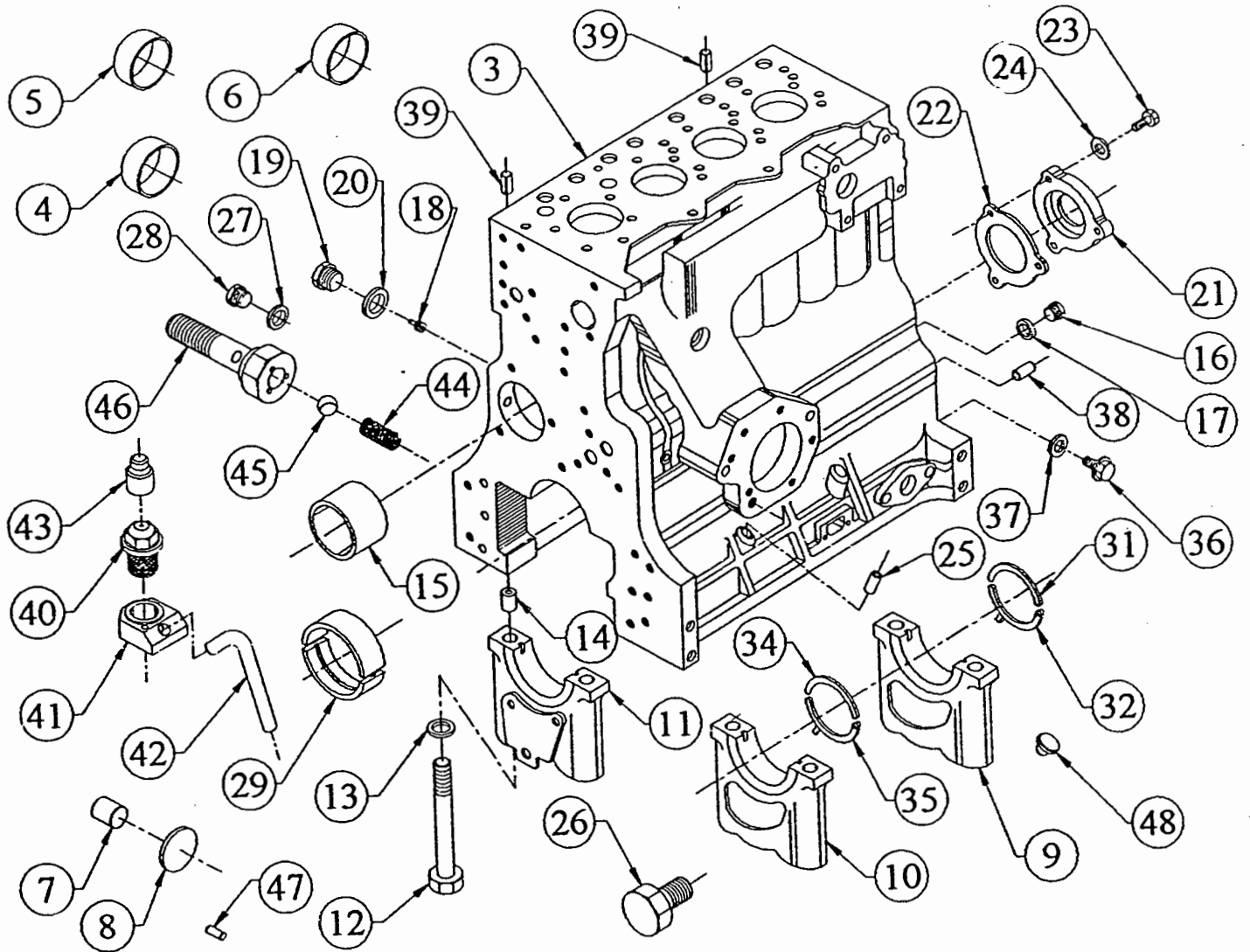
CRANK PULLEY



CRANK SHAFT

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 13	ENGINE	GROUP 1	PAGE 26
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Crank Shaft		
*1	4H.002.10.0.00	Crankshaft Assy. With Gear	1	< Consisting of Sr No.2,7 To 10
*2	04.005.30.0.00	Cr' Shaft Assy. W/o Cr' Gear (UPDATED)	1	< Consisting of Sr NO. 3 To 6
3	04.005.09.0.00	Crank Shaft -KHD	1	
4	04.005.11.0.00	Balance Wt.	4	
5	02.005.04.0.00	Washer	8	
6	04.005.12.0.00	Socket Head Bolt M12x1.75x60-10.9	8	
7	50.401.08.025	Dowel Pin 8x25	1	
8	50.401.08.060	Dowel Pin 8x60	1	
9	4H.002.01.0.00	Crankshaft Gear (Finish /)	1	
10	P2.020.09.0.00	Deflector For FEW Oil Seal	1	

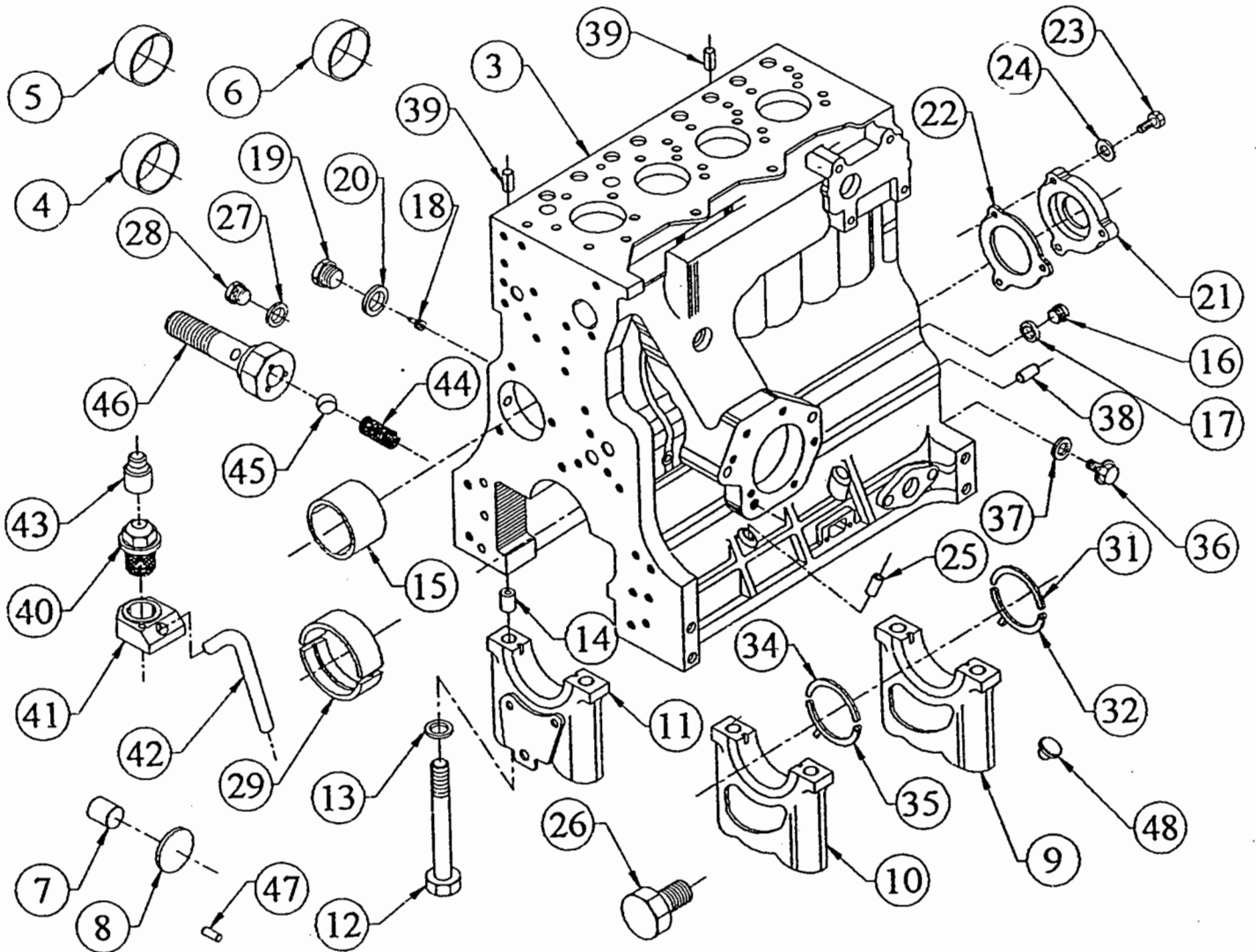


CRANKCASE

ECEL HK-17 CRANE

PARTS CATALOGUE

ISSUE 01	FIGURE NO. 14	ENGINE	GROUP 1	PAGE 28
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Crankcase (Turbocharger Engine)		
*1	4H.156.20.0.00	Crankcase Assy. Without Bearings	1	< Consisting of Sr No. 2,15 To 28
*2	4H.156.50.0.00	Crankcase (Line Boring Operation)	1	
3	4H.156.01.0.00	Crankcase (Turbocharged Engine)	1	< Consisting Of Sr. No.3 To 14
4	F6.007.34.0.00	Sealing Cap	5	
5	F6.007.34.0.00	Sealing Cap (40 Din 443)	2	
6	4H.001.001.05.0.00	Sealing Cap (52 Din 443)	3	
7	34.003.07.0.00	Crankshaft Plug Aluminium	2	
8	34.003.08.0.00	Washer For Alu Plug	2	
9	03.001.23.0.00	M.B. Cap (FEW) 16.99 Dia. Dowel Hole	1	
10	03.001.24.0.00	M.B. Cap (KHD) 16.99 Dia Dowel Holes	3	
11	4H.001.02.0.00	Bearing Cap (Gear End) (Finish)	1	
12	03.001.22.0.00	Bolt For MB Cap (Hex Head)m14x2x128	10	
13	02.001.01.0.00	Washer	10	
14	B2.005.16.0.00	Hollow Dowel (M.B. Cap	10	
15	03.001.04.0.00	Cam Bush	1	
16	04.001.04.0.00	Screw Plug (M20x1.5)	1	
17	50.508.18.000	Copper washer (20x24)	1	
18	03.011.07.0.00	Slotted Pin	5	
19	50.610.12.000	Core Plug	5	
20	50.508.10.000	Copper Washer (12x18)	5	
21	4h.001.03.0.00	Blanking Plate For Cam Bore	1	
22	4H.001.04.0.00	Joint For BlankingPlate	1	
23	50.003.08.025	Set Screw -M8 x1.25x25-8.8	3	
24	50.506.08.000	Plain Machined Washer - M8	3	
25	02.037.04.0.00	Dipstick Guide	1	
26	34.001.09.0.00	Plug For Oil Gallery	1	
27	50.508.08.000	Copper Washer (10x16)	1	
28	50.610.10.000	Core Plug	1	
29	02.001.07.0.00	Main Vrg. Top & Bottom	5	
*30	03.001.18.0.00	Thrust Ring Pair -Drive End , (102 Dia.)	1	< Consisting Of Sr. No. 31 & 32
31	03.001.19.0.00	Thrust Washer- Drive End, Top	1	
32	03.001.21.0.00	Thrust Washer (Drive End , Bottom)	1	
*33	B2.005.22.0.00	Tgrust Ring Pair _G.E.	1	< Consisting Of Sr. No. 34 & 35
34	B2.005.18.0.00	Thrust Ring Half (G.E-Top)	1	
35	B2.005. 19.0.00	Thrust Ring Half (G.E. Bottom)	1	
36	50.602.14.000	Plug (M14x1.5)	1	
37	50.508.12.000	Copper Washer (1`4x20)	1	
38	50.401.08.014	Dowel	2	
39	50.540.09 016	Spring Dowel Pin	2	
40	4H.156.10.0.00	Oil Spray Nozzle Assy.	4	< Consisting Of Sr. No. 41 to 45
41	4H.156.02.0.00	Nozzle Body	1	
42	4H 156.03.0.00	Pipe For Nozzle	1	
43	4H.156.04.0.00	Button For Oil Spray Nozzle	1	
44	02.002.02.0.00	Spring Dowel Pin	1	
45	02.002.04.0.00	Steel Ball	1	

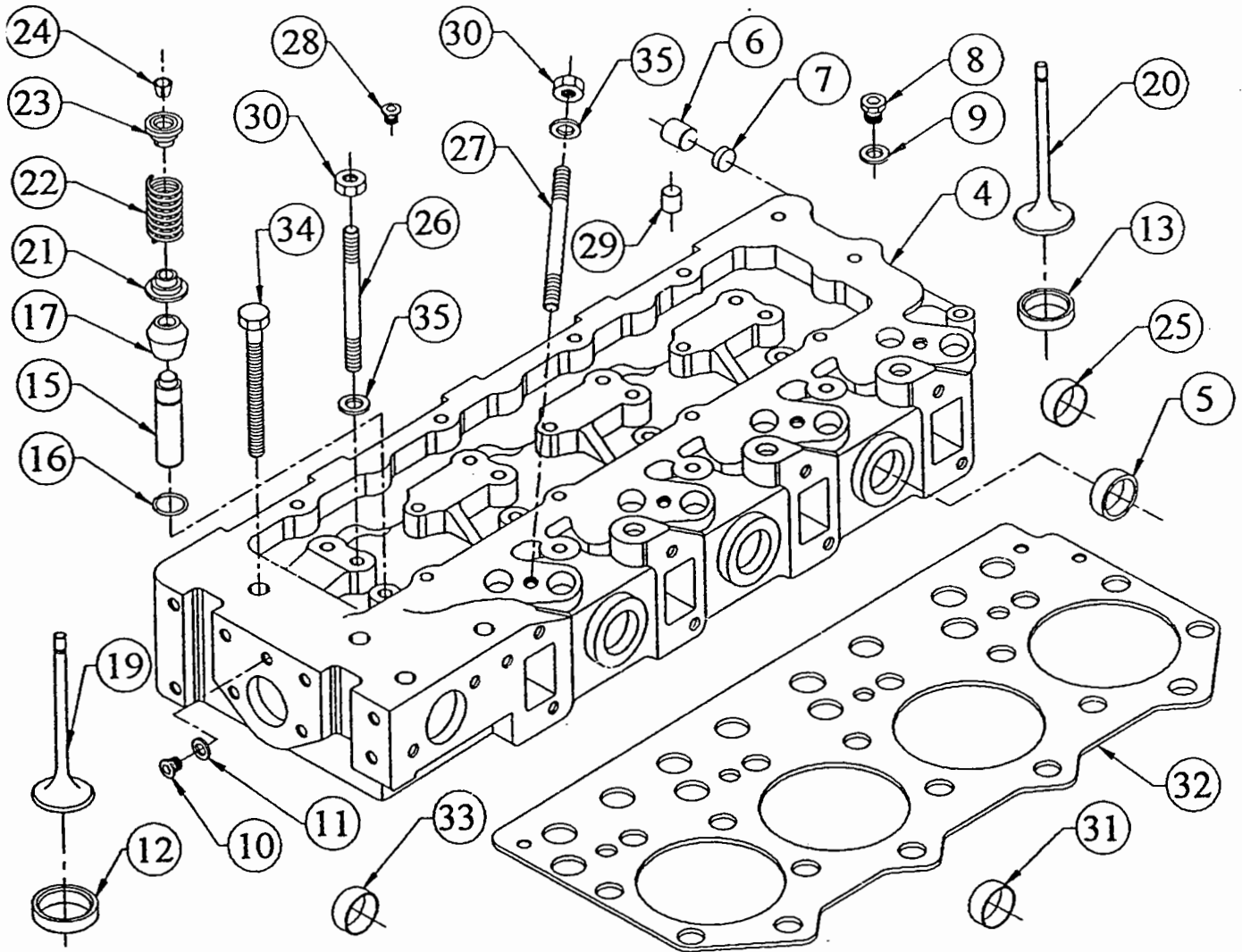


CRANKCASE

ECEL HK-17 CRANE

PARTS CATALOGUE

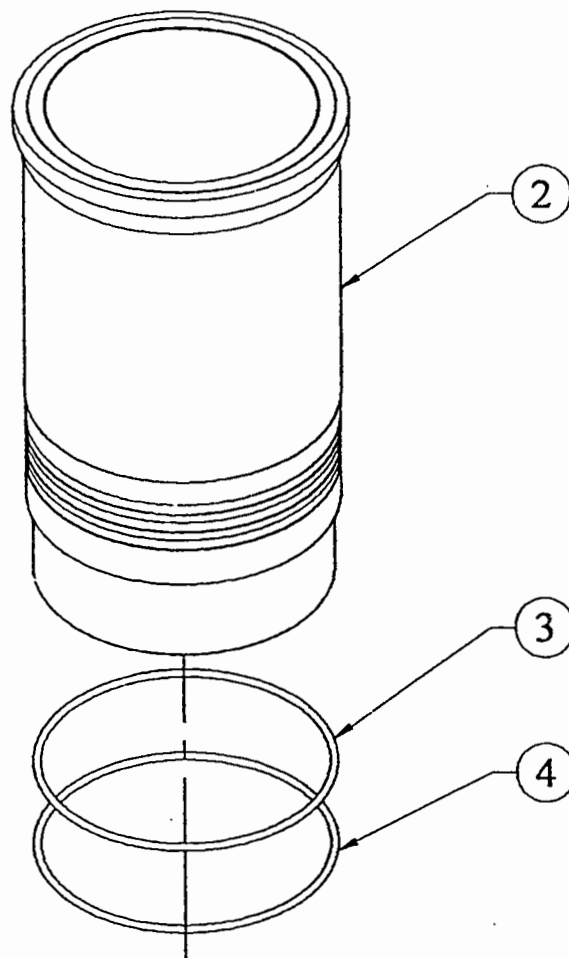
ISSUE 01	FIGURE NO. 14	ENGINE	GROUP 1	PAGE 30
S.NO.	PART NO.	DESCRIPTION Crankcase (Turbocharged Engine)	QUANTITY	NOTE
46	4H.156.07.0.00	Sub Assy. Of Special Banjo Bolt (For Oil Spray Nozzle)	4	
47	50.401.04.012	Dowel Pins	4	
48	48.288.02.0.00	Plug For Dipstick Hole	1	



CYLINDER HEAD

ECEL HK-17 CRANE**PARTS CATALOGUE**

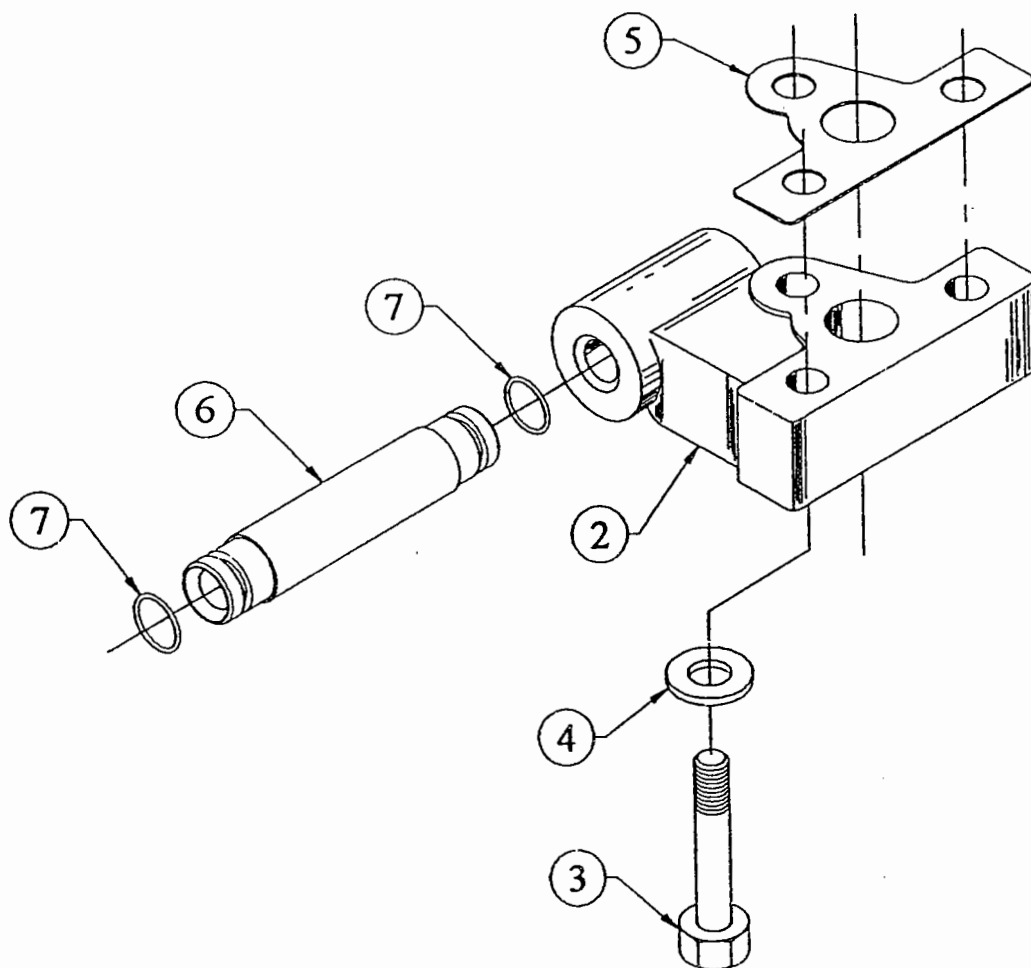
ISSUE 01	FIGURE NO.15	ENGINE	GROUP 1	PAGE 32
S.NO.	PART NO.	DESCRIPTION Cylinder Head (345 CRS Water Pump)	QUANTITY	NOTE
* 1	4H.007.30.0.00	Cylinder Head Assembly Complete	1	< Consisting Of Sr. No. 2,17 To 29
* 2	4H.007.20.0.00	Cyl Head With VLV. Guide & VLV.Seat Insert	1	< Consisting Of Sr. No. 3,12 To 14
* 3	4H.007.10.0.00	Cylinder Head Assembly Complete	1	< Consisting Of Sr. No. 4 To 11
4	4H.007.01.0.00	Cylinder Head (Finish)	1	
5	F6.007.35.0.00	Sealing Cap	3	
6	34.003.07.0.00	Crank Shaft Plug- Aluminium	5	
7	34.003.08.0.00	Washer For Alu. Plug.	5	
8	50.610.16.000	Core Plug -Hexagonal Socket Head (Din-908)	1	
9	50.508.16.000	Copper Washer 18x22	1	
10	50.610.24.000	Core Plug	3	
11	50.508.29.000	Copper Washer (26 x32)	3	
12	4H.007.03.9.00	Valve Seat Insert (Inlet)	4	
13	4H.007.04.9.00	Valve Seat Insert (Exhaust)	4	
*14	4H.007.38.0.00	Assembly of Semifinish Valve Guide & Snap Ring	8	< Consisting Of Sr. 15 & 16
15	4H.007.02.9.00	Valve Guide (Semi - Finish)	1	
16	02.022..18.0.00	Wire Snap Ring	1	
17	06.631.02.0.00	Valve Seal	8	
*18	4H.007.40.0.00	Inlet & Exhaust Valve Pair	1	< Consisting Of Sr. 19 & 20
19	4H.007.05.0.00	Inlet Valve	4	
20	4H.007.06.0.00	Exhaust Valve	4	
21	34.013.13.0.00	Cup For Valve Spring	8	
22	02.022.13.0.00	Valve Spring	8	
23	02.022.11.0.00	Valve Cup	8	
24	02.022.12.0.00	Valve Collet	16	
25	F6.001.58.0.00	Sealing Cap (40 Din 443)	1	
26	50.010.10.070	Stud -M10 x15x70 -8.8	4	
27	50.010.10.050	Stud -M10x1.5x50 -8.8	4	
28	4H.007.26.0.00	Core Plug (For Cylinder Head -EJCB)	1	
29	4H.007.08.0.00	Button For Injector Yoke	4	
30	50.006.10.000	Nut -M10x1.5 - GR .8	8	
31	F6.001.58.0.00	Sealing Cap (40 Din 443)	1	
32	4H . 007.24.0.00	Gasket For Cyl. Head (Thickness 1.25)	1	
33	4H007.37.0.00	Plastic Cap For Valve Guide Protection	8	
34	4H.007.07.0.00	Bolt For Cylinder Head	18	
35	02.022.06.0.00	Washer	8	



CYLINDER LINER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 16	ENGINE	GROUP 1	PAGE 34
S.NO.	PART NO.	DESCRIPTION Cylinder Liner (105 Dia)	QUANTITY	NOTE
*1	2H.008.10.0.00	Cylinder With "O" Ring	1	< Consisting Of Sr. No. 2 To 4
2	2H.008.01.0.00	Cylinder Liner (105mm Dia.) A - Group	1	
3	2H.008.07.0.00	"O" Ring (For Cylinder Liner)	2	
4	2H.008.11.0.00	"O" Ring For Cylinder Liner (Viton Material)	1	

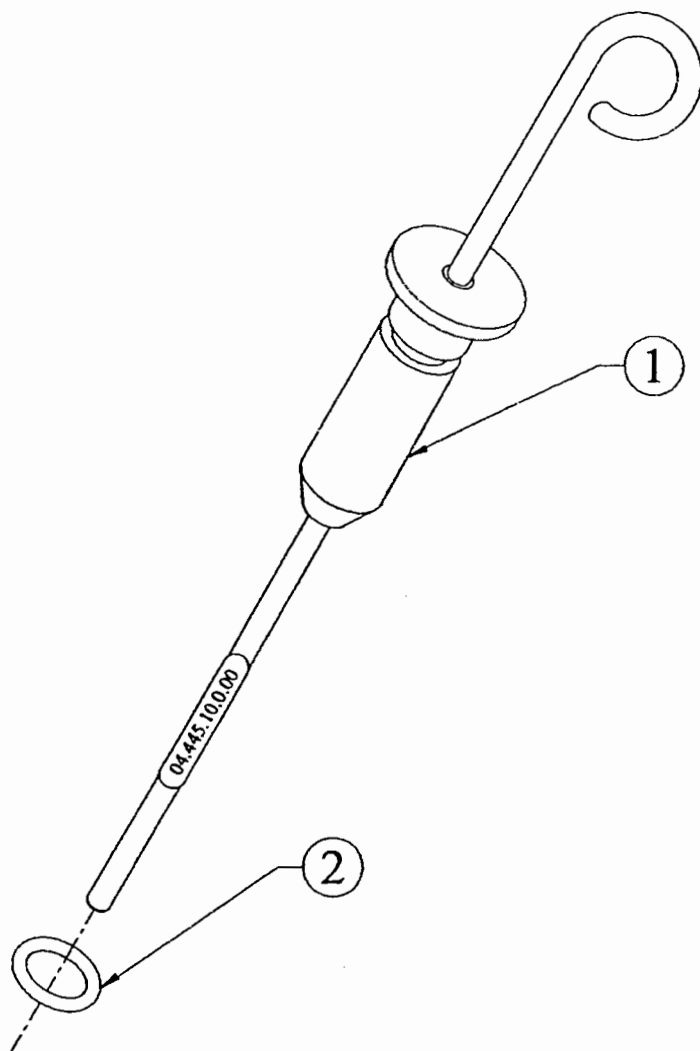


DELIVERY BODY

ECEL HK-17 CRANE

PARTS CATALOGUE

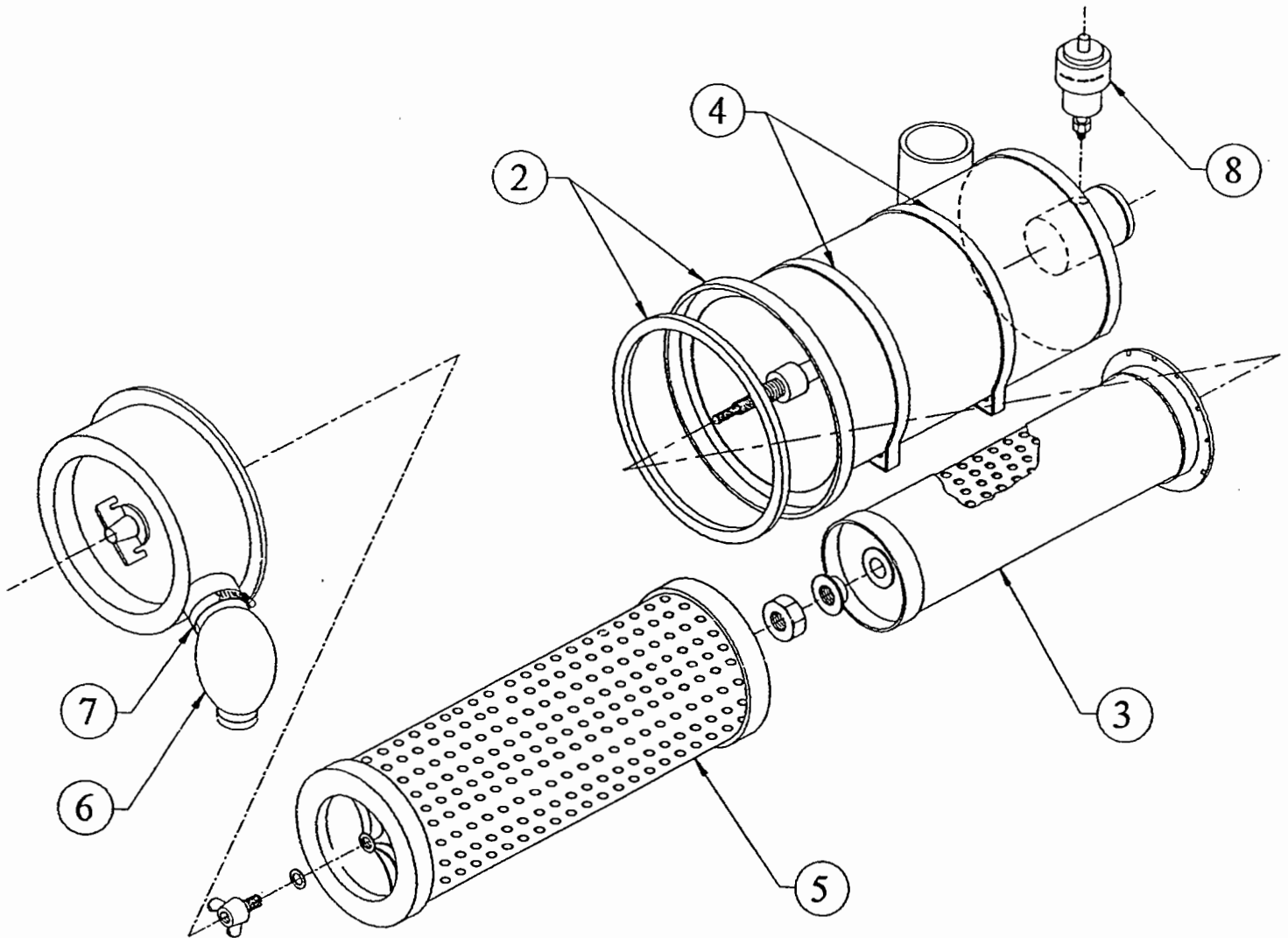
ISSUE 01	FIGURE NO.17	ENGINE	GROUP 1	PAGE 36
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Delivery Body		
1	2H.013.10.0.00	Deliver Body Assembly	1	< Consisting Of Sr. No.. 2,6 & 7
2	2H.013.01.0.00	Delivery Body	1	
3	50.002.08. 045	Set Bolt -M8x1.25x45 - 8.8	3	
4	50.506.08.000	Plain Machined Washer -M8	3	
5	2H.013.02.0.00	Joint For Delivery Body	1	
6	2H.014.01.0.00	Delivery Tube	1	
7	2H.014.02.0.00	"O" Ring (For Delivery Tube)	2	



DIPSTICK

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 18	ENGINE	GROUP 1	PAGE 38
S.NO.	PART NO.	DESCRIPTION Dipstick (Pressed Sump)	QUANTITY	NOTE
1	04.445.10.0.00	Dipstick Assy. (Pressed Sump 210 -170x25-	1	
2	03.036.01.0.00	"O" Ring - Dipstick (2x5, 21515 Or 21511)	1	



DRY TYPE AIR CLEANER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 19	ENGINE	GROUP 1	PAGE 40
S.NO.	PART NO.	DESCRIPTION Dry Type Air Cleaner (8M3 - Industrial)	QUANTITY	NOTE
*1	4H.183.10.0.00	Air Cleaner Assembly (8M3 Industrial)	1	< Consisting Of Sr. No. 2 To 8
2	4H.166.13.0.00	Housing Assy. (8 M3 Dry Type Air Cleaner)	1	
3	4H.183.01.0.00	Safety Element (KKFL No. KFA -02 -1-7048)	1	
4	4H.166.05.0.00	Mounting Strap For Air Cleaner	2	
5	4H.166.11.0.00	Primary Element (KKFL Make, KFA-02-1-7048)	1	
6	4H.024.03.0.00	Vacuator Valve	1	
7	50.519.09.000	Worm Drive Hose Clip (48mm)	1	
8	47.113.15.0.00	Restiction Indicator	1	

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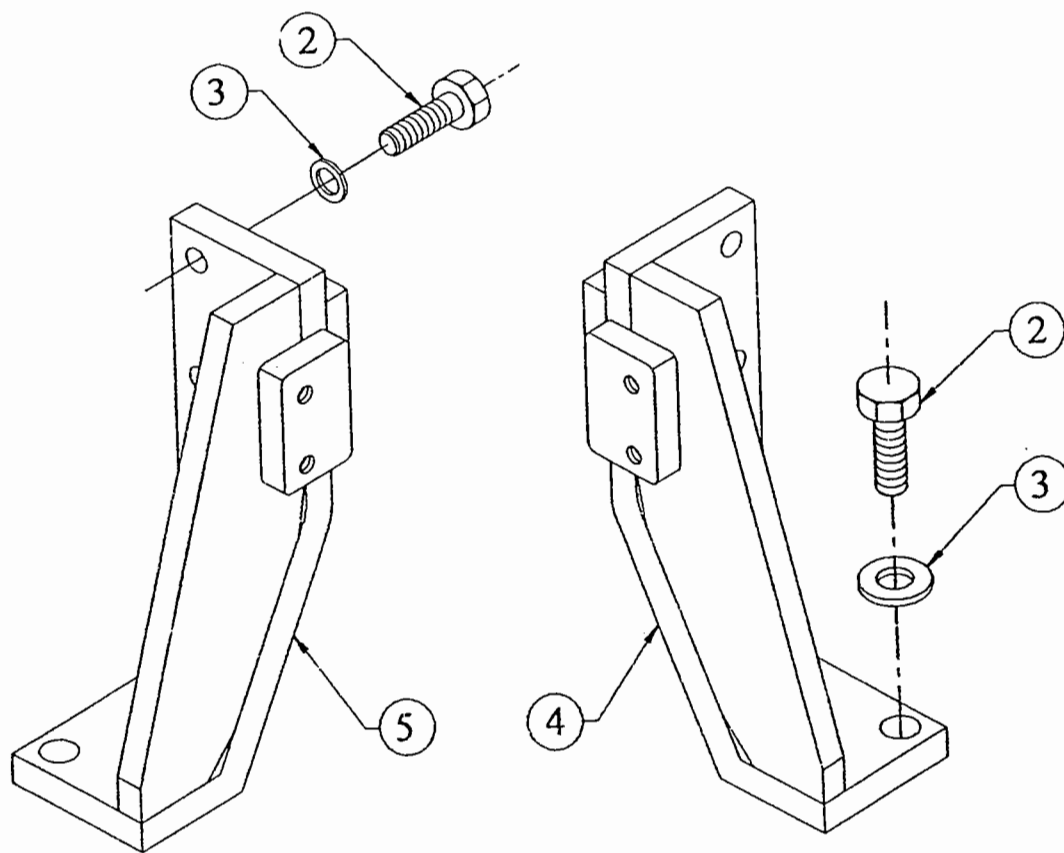
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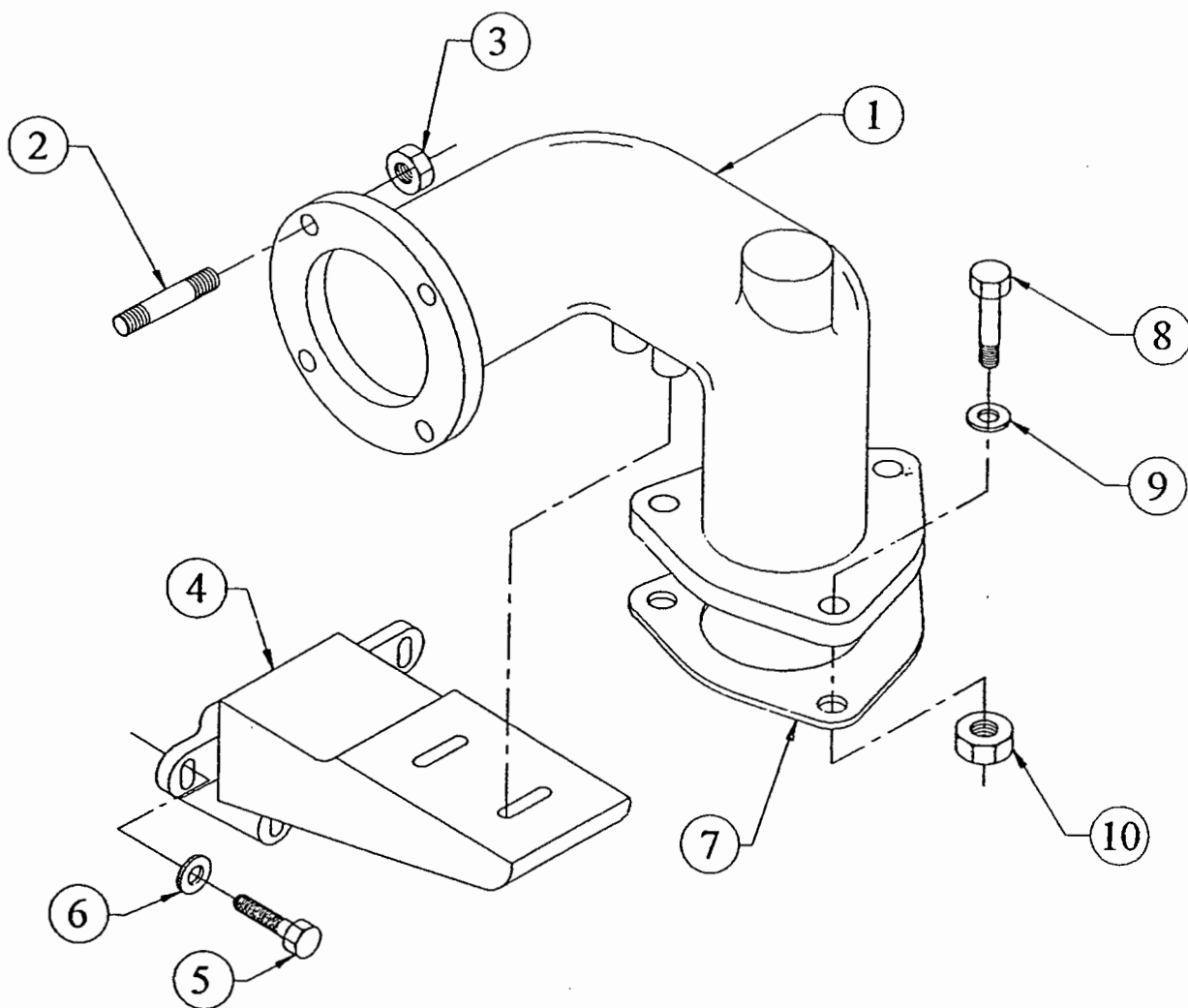
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ENGINE MOUNTING FOOT ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

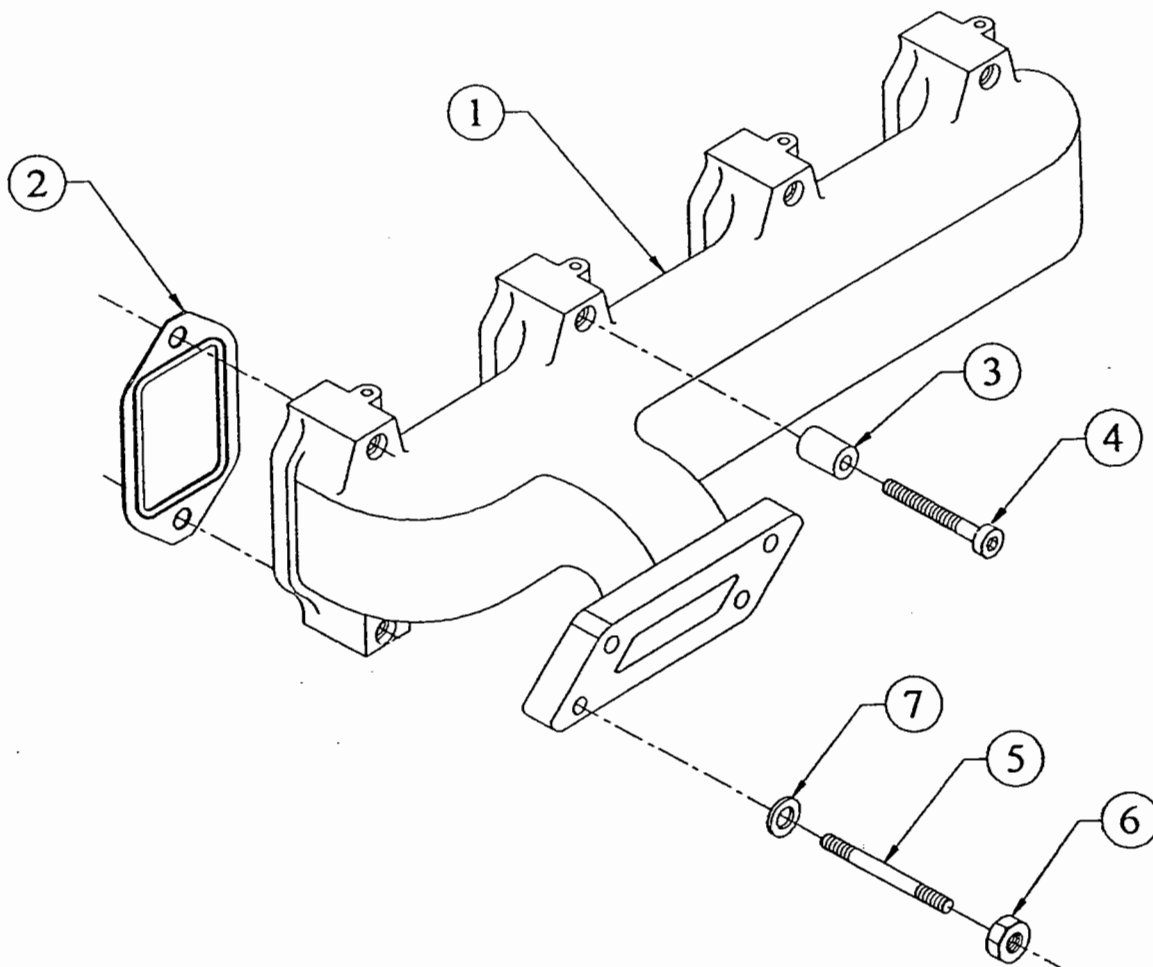
ISSUE 01	FIGURE NO. 23	ENGINE	GROUP 1	PAGE 48
S.NO.	PART NO.	DESCRIPTION Engine Mtg. Foot Assy.28MM (PG)	QUANTITY	NOTE
*1	4H.061.10.0.00	Engine MTG. Foot Assy. 285 MM (PG)	1	< Consisting Of Sr. No. 2 To 5
2	50.003.12.035	Set screw -M12x1. 75 x35 -8.8	8	
3	02.005.04.0.00	Washer	8	
4	4H.061.02.0.00	Crankcase Foot Starter Side (285MM)	2	
5	4H.061.02.0.00	Crankcase Foot Fuel Pump Side (285MM)	2	



EXHAUST DIFFUSER & MTGS.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 24	ENGINE	GROUP 1	PAGE 50
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Exhaust Diffuser & Mtgs		
1	4H.522.04.0.00	Exhaust Diffusser (K26 Turbo) C.I.	1	
2	50.010.08.020	Stud - M8x1.25 x20 -8.8	4	
3	50.080.08.000	Stainless Steel Nut	4	
4	4H.522.02.0.00	Bracket For Exh. Diffusser (K26 Turbo)	1	
5	50.003.08.020	Setscrew -M8x1.25 x20 -8.8	5	
6	50.548.08.000	Spl. Plain M/Ced Washer	5	
7	4H.522.03.0.00	Joint For Exh. Diffuser	1	
8	50.002.08.035	Set Bolt - M8x1.25x35-8.8	3	
9	50.506.08.000	Plain Machined Washer -M8	7	
10	50.006.08.000	Nut -M8x1.25 -GR.8	3	

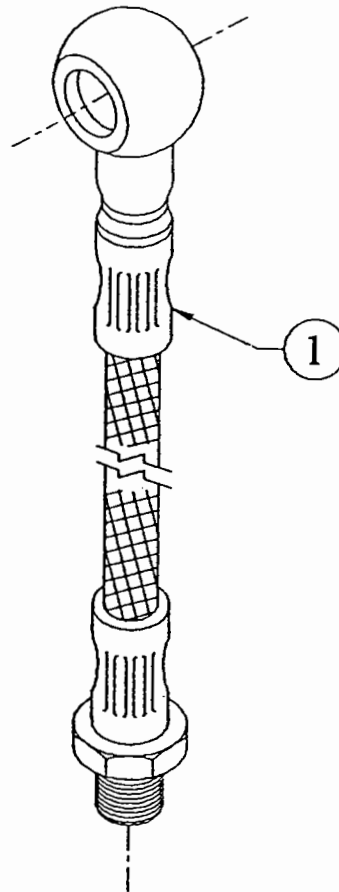


EXHAUST MANIFOLD

ECEL HK-17 CRANE

PARTS CATALOGUE

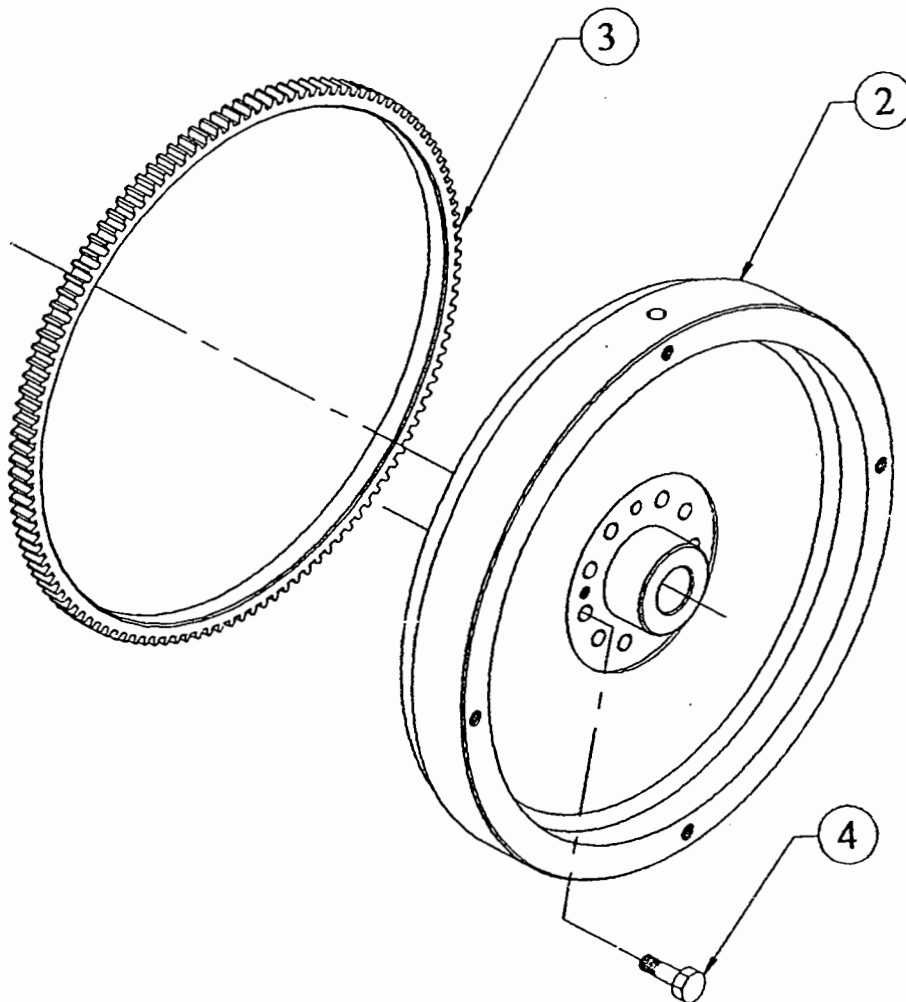
ISSUE 01	FIGURE NO. 25	ENGINE	GROUP 1	PAGE 52
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Exhaust Manifold		
1	4H.129.02.0.00	Exhaust Manifold (For K26 Turbocharger)	1	
2	4H.035.06.0.00	Gasket (For Exhaust Manifold)	5	
3	4H.107.02.0.00	Spacer (For Ext. Manifold)	8	
4	4H.129.03.0.00	Hexagonal Socket Head Cap Screw	8	
5	50.010.08.020	Stud -M8x1.25 x20 -8.8	4	
6	49.106.02.0.00	Stainless Steel Nut (M8)	4	
7	50.506.08.000	Plain Machined Washer -M8	4	



EXT. NOZZLE LEAK OFF

ECEL HK-17 CRANE**PARTS CATALOGUE**

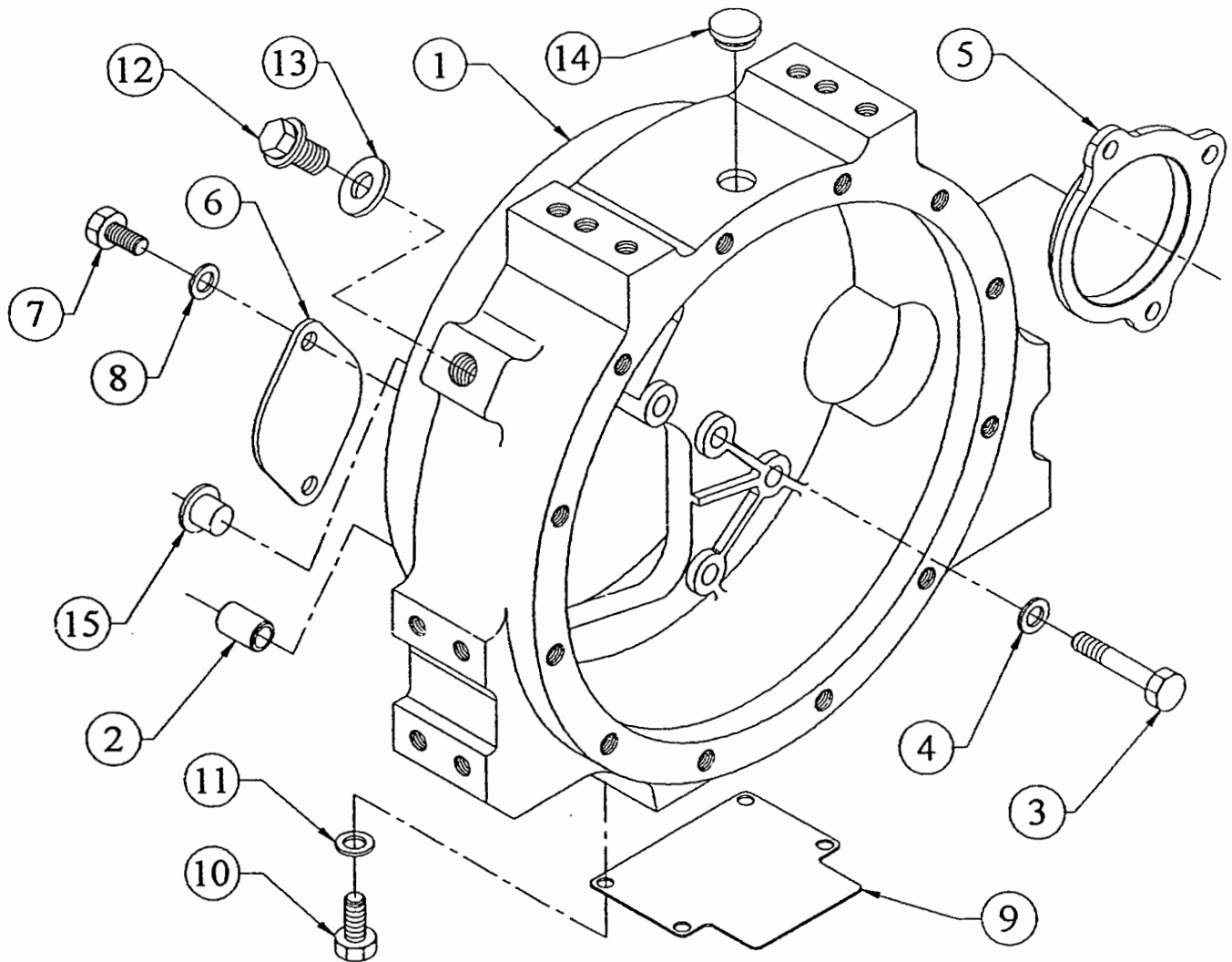
ISSUE 01	FIGURE NO. 26	ENGINE	GROUP 1	PAGE 54
S.NO.	PART NO.	DESCRIPTION Ext , Nozzle Leak Off	QUANTITY	NOTE
1	35.107.03.0.00	Ext. Nozzle Leak Off	1	



FLYWHEEL

ECEL HK-17 CRANE**PARTS CATALOGUE**

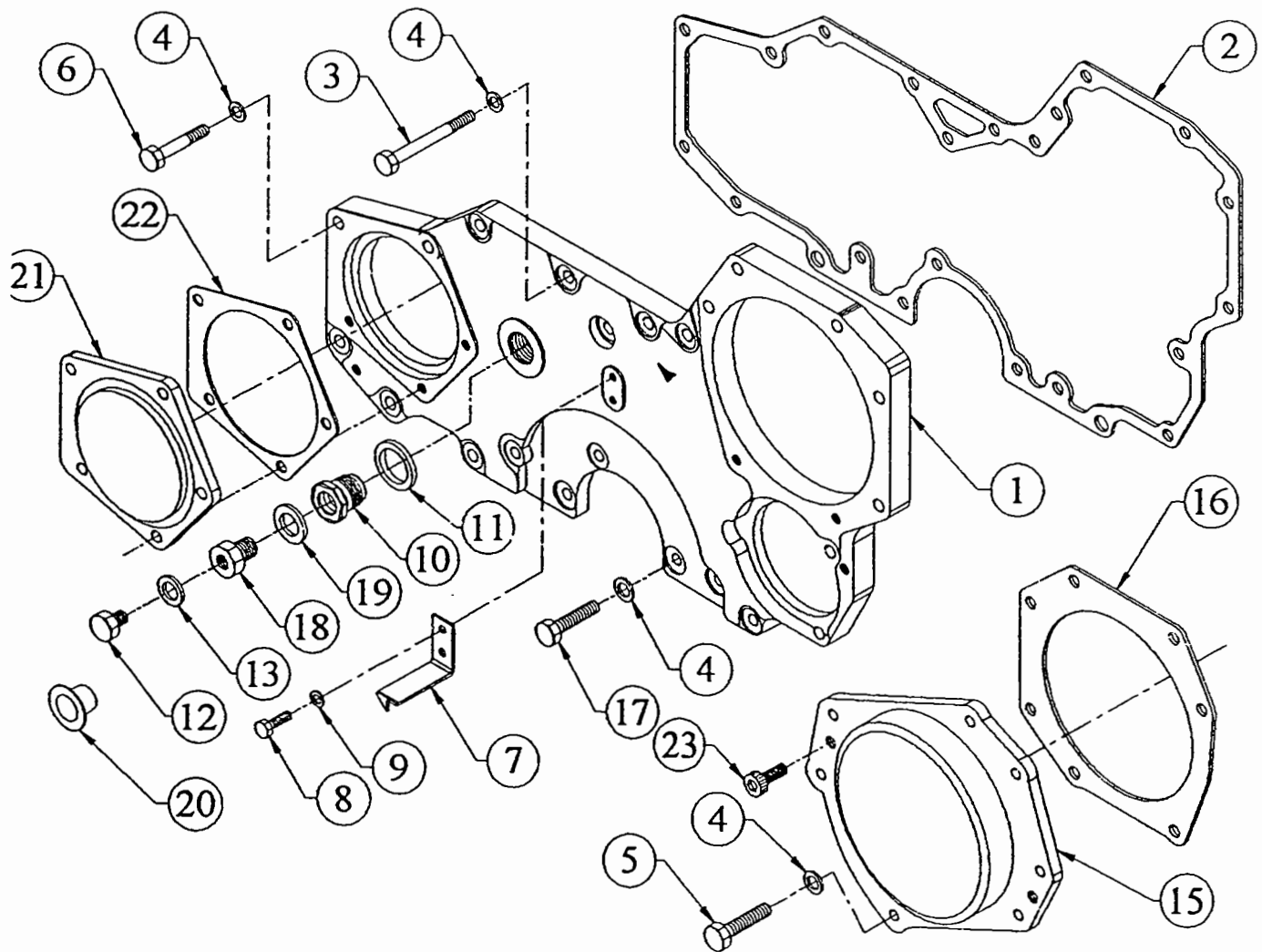
ISSUE 01	FIGURE NO. 27	ENGINE	GROUP 1	PAGE 56
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Flywheel		
*1	4H.340.10..00	Flywheel Assembly	1	< Consisting Of Sr. No. 2 & 3
2	4H340.01.0.00	Flywheel Simplex -Bhima	1	
3	03.035.02.0.00	Starter Ring Ha	1	
4	03.035.03.0.00	Bolt For Flywheel	10	



FLYWHEEL HOUSING

ECEL HK-17 CRANE**PARTS CATALOGUE**

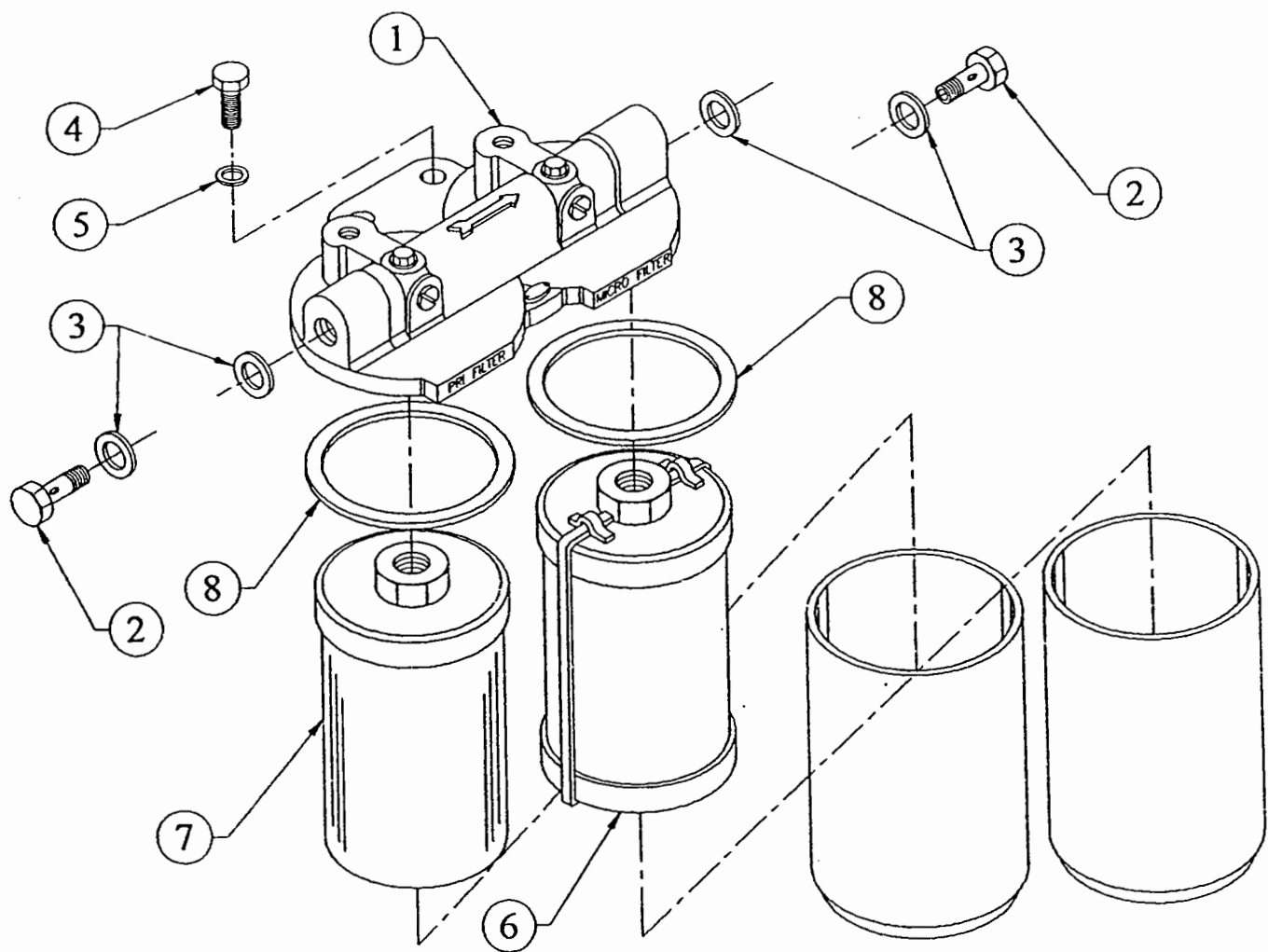
ISSUE 01	FIGURE NO. 28	ENGINE	GROUP 1	PAGE 58
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Flywheel Housing		
1	4H.944.01.0.00	Flywheel Housing	1	
2	4H.001.13.0.00	Hollow Dowel (16 Dia)	2	
3	50.052.10.030	Set Bolt-M10x30 -10.9	10	
4	02.024.09.0.00	Washer	10	
5	4H.038.02.0.00	Flange For Starter	1	
6	4H.038.04.0.00	Blanking Plate (For Flywheel Housing)	1	
7	50.003.06.012	Setscrew- M6x12 -8.8	2	
8	50.506.06.000	Plain Machined Washer -M6	2	
9	4H.944.02.0.00	Cover Plate For Flywheel Housing	1	
10	50.003.08.016	Setscrew -M8x1.25x16 -8.8	4	
11	50.506.08.000	Plain Machined Washer -M8	4	
12	50.602.16.000	Core Plug 16x1.5	1	
13	50.508.15.000	Copper washer (17x23	1	
14	F6.016.12.0.00	Rubber Cap	1	
15	4H.038.05.0.00	Shipping Plug	1	



FRONT COVER (PTL)

ECEL HK-17 CRANE**PARTS CATALOGUE**

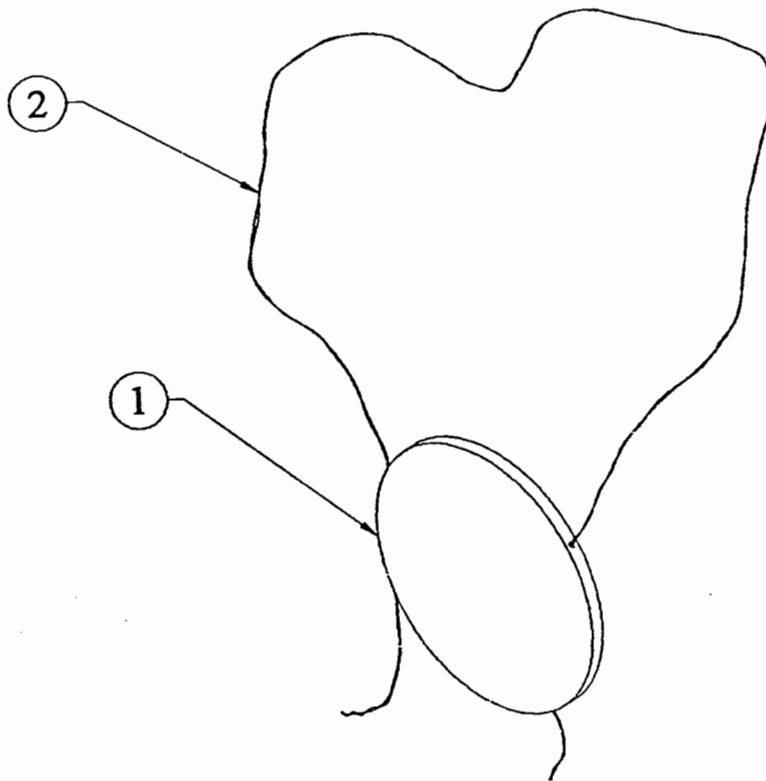
ISSUE 01	FIGURE NO. 29	ENGINE	GROUP 1	PAGE 60
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Front Cover (PTL)		
1	3H.039.01.0.00	Front Cover (For PTL Tractor)	1	
2	3H.039.02.0.00	Joint For Front Cover (PTL)	1	
3	50.002.08.100	Set Bolt	4	
4	50.506.08.000	Plain Machined Washer M6	25	
5	50.000.08.025	Set Screw	7	
6	50.002.08.035	Set Bolt	7	
7	2H.037.06.0.00	Timing Pointer	1	
8	50.003.06.012	Setscrew	2	
9	50.506.06.000	Plain Machined Washer	2	
10	03.117.04.0.00	Adaptor	1	
11	50.50.8.27.000	Copper Washer	1	
12	34.001.11.0.00	Drain Plug	1	
13	50.565.18.000	Internal Rubber Lip Sealing Washer	1	
*14	2H.017.10.0.00	Fuel Pump Cover With Joint	1	< Consisting of Sr. No. 15 & 16
15	2H.017.03.0.00	Cover For Fuel Pump Gear	1	
16	2H.017.02.0.00	Joint For Cover For Fuel Pump Gear	1	
17	50.003.08.045	Setscrew- M8x 1.25x45-8.8	7	
18	47.091.01.0.00	Tecometer Plug	1	
19	50.508.31.000	Copper Washer	1	
20	39.149.01.0.00	Cap For Adoptor	1	
21	3H.039.04.0.00	Cover Plate For Front Cover Comp. MTG.	1	
22	3H.039.05.0.00	Joint For Cover Plate	1	
23	50.011.08.020	Socket Head Screw	3	



FUEL FILTER 1.1 L

ECEL HK-17 CRANE

ISSUE 01	FIGURE NO. 30	ENGINE	GROUP 1	PAGE 62
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Fuel Filter 1.1L		
1	03.656.20.0.00	1.1 LTR Duel Fuel Filter W/O Overflow Valve	1	
2	50.504.01.000	Banjo Bolt	4	
3	50.508.12.000	Copper Washer	8	
4	50.003.12.035	Setscrew	2	
5	50.506.12.000	Plain Machined Washer	2	
6	48.117.01.0.00	Fuel Filter Elment pre	1	
7	48.117.01.0.00	Fuel Filter Element	1	
8	48.117.03.0.00	"O" Ring	2	

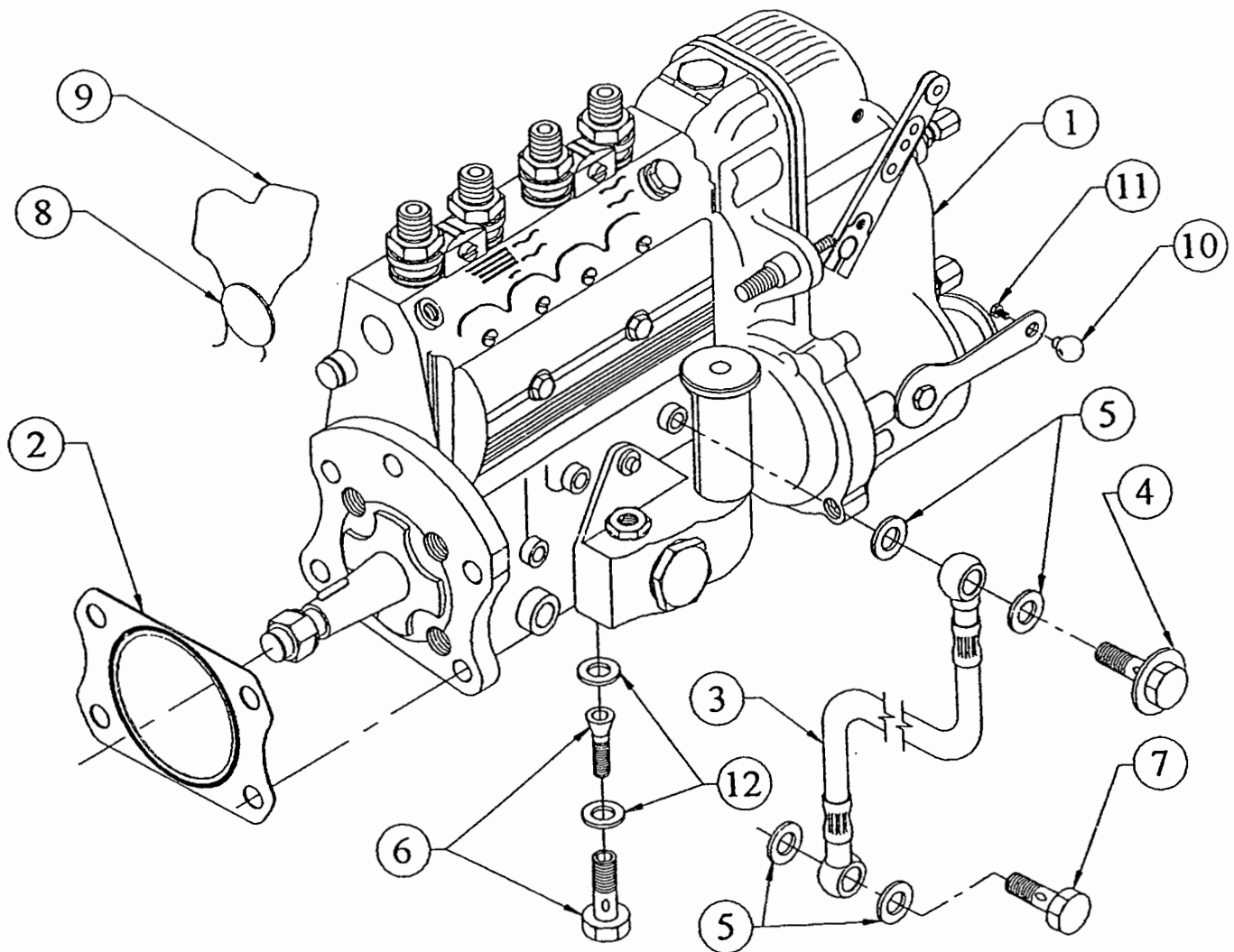


FUEL INJECTION PUMP

ECEL HK-17 CRANE

PARTS CATALOGUE

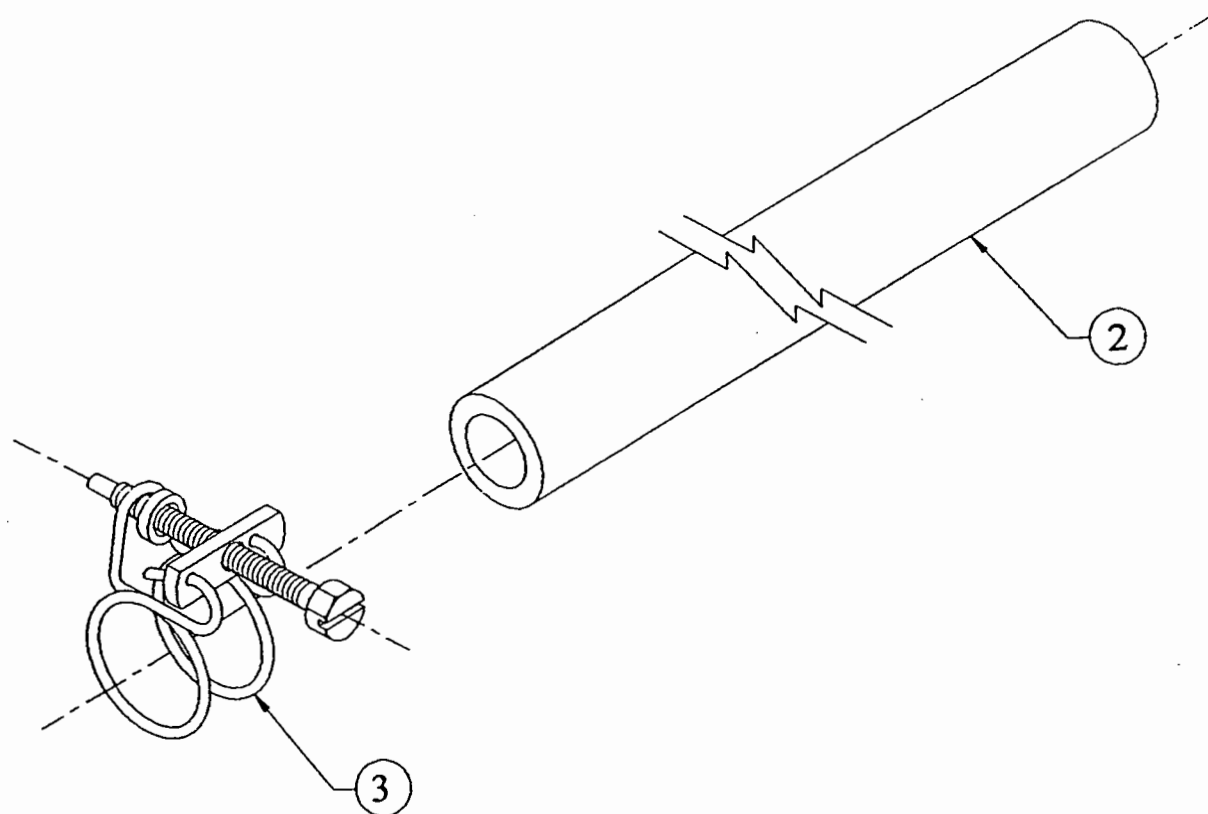
ISSUE 01	FIGURE NO. 31	ENGINE	GROUP 1	PAGE 64
S.NO.	PART NO.	DESCRIPTION Joint For Fuel Injection Pump	QUANTITY	NOTE
1	10.027.02.0.00	Lead Seal	1	
2	10.027.03.0.00	Sealing Wire	1	



FUEL INJECTION PUMP

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 32	ENGINE	GROUP 1	PAGE 66
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Fuel Injection Pump		
1	4H.1308.03.0.00	Fuel Pump	1	
2	34.016.01.0.00	Joint For Fuel Pump	1	
3	4H.006.01.0.00	L.O.Supply Hose	1	
4	03.660.07.0.00	Special Banjo Bolt	2	
5	50.508.07.0.000	Copper Washer	4	
6	34.016.15.0.00	Banjo Bolt With Strainer	1	
7	50.504.04.000.	Banjo Bolt With Strainer	2	
8	10.027.02.0.000	Lead Seal	1	
9	10.027.03.0.00	Sealing Wire	1	
10	51.509.25.0.00	Knob For Handle	1	
11	50.003.06.012	Set screw	1	
12	50.508.12.000	Copper Washer	6	

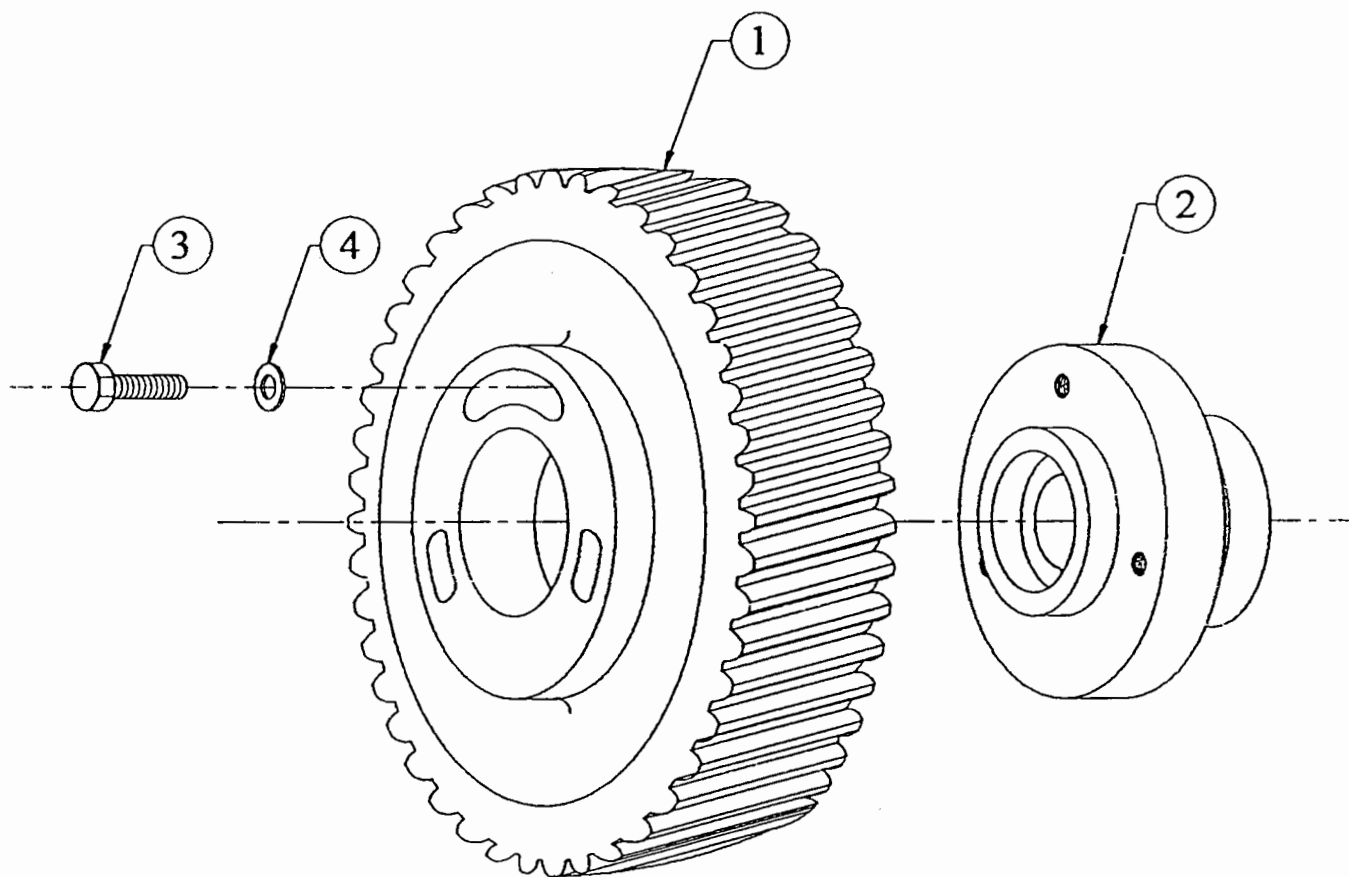


FUEL PIPES

ECEL HK-17 CRANE

PARTS CATALOGUE

ISSUE	FIGURE NO. 33	ENGINE	GROUP 1	PAGE 68
01				
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Fuel Pipes		
*1	06.654.10.0.00	Fuel Pipes	1	< Consisting Of Sr. No. 2 & 3
2	06.610.03.0.00	Foel Pipe	1	
3	06.61004.0.00	Wire Hose Clip	4	

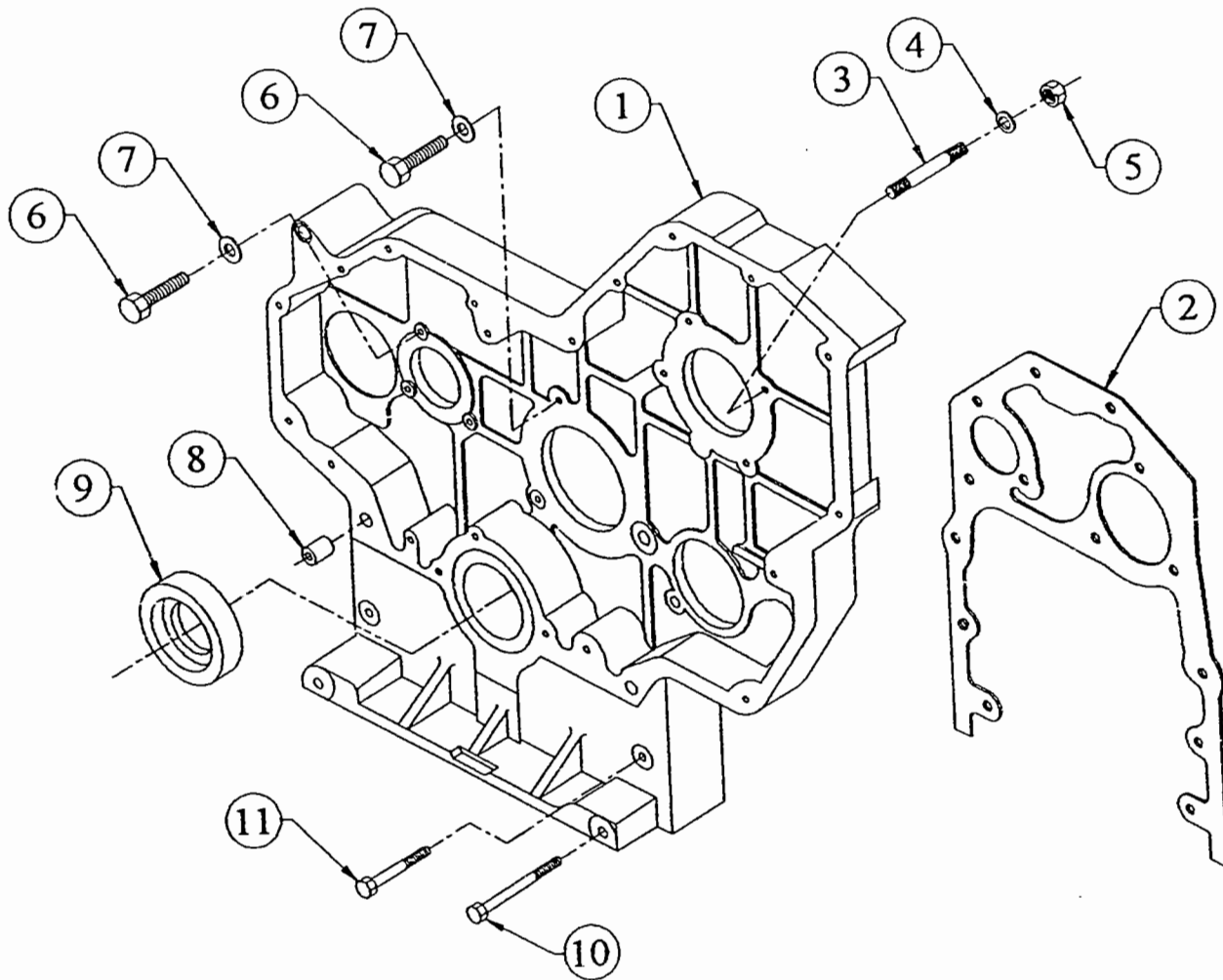


FUEL PUMP GEAR

ECEL HK-17 CRANE

PARTS CATALOGUE

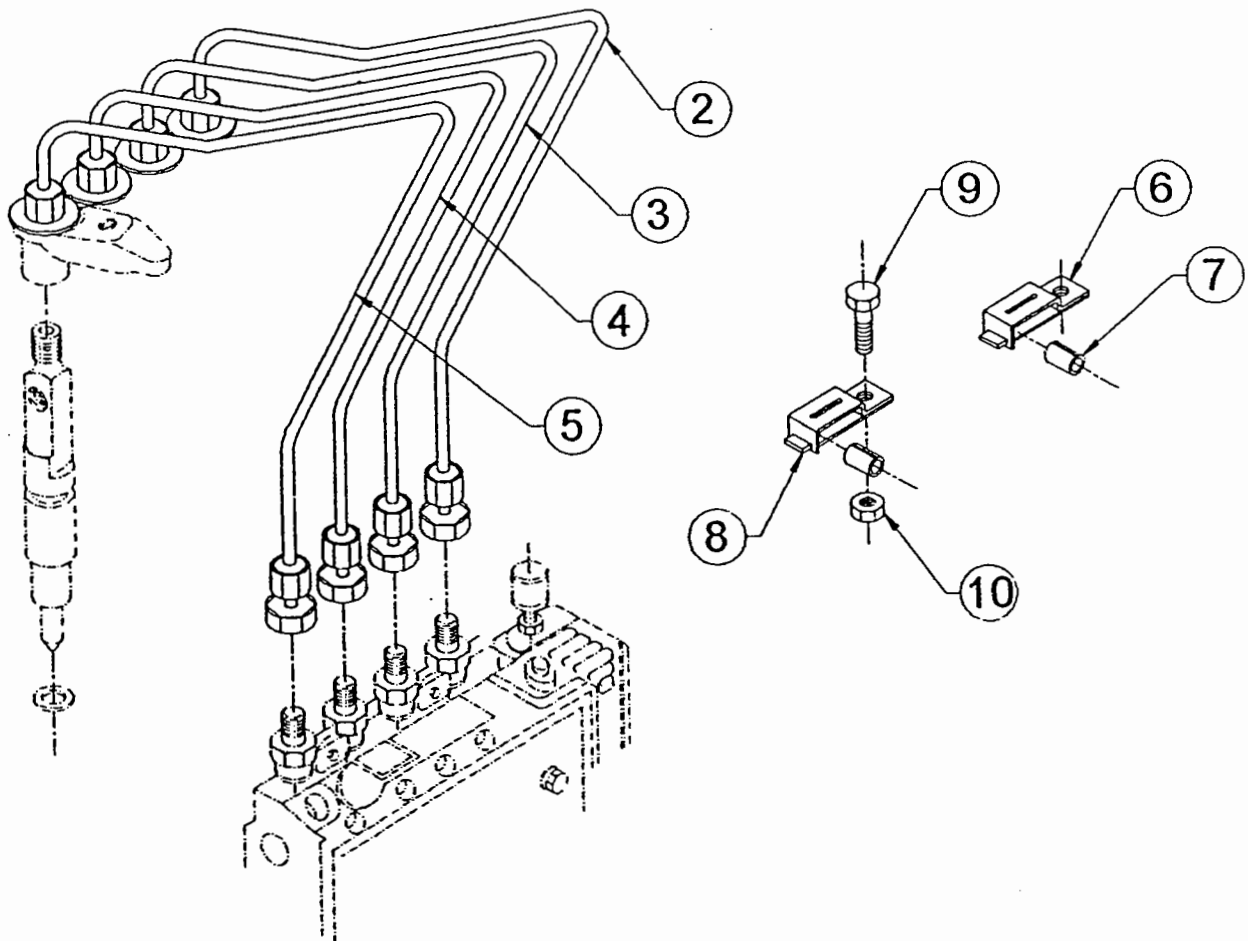
ISSUE 01	FIGURE NO. 34	ENGINE	GROUP 1	PAGE 70
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Fuel Pump Gear		
1	2H.011.01.0.00	Fuel Pump Gear(Finish)	1	
2	2H.011.02.0.00	Hub For Fuel Pump Gear	1	
3	50.003.08.025	Set screw	3	
4	34.017.05.0.00	Washer For Fuel Pump Gear	3	



GEAR CASING

ECEL HK-17 CRANE**PARTS CATALOGUE**

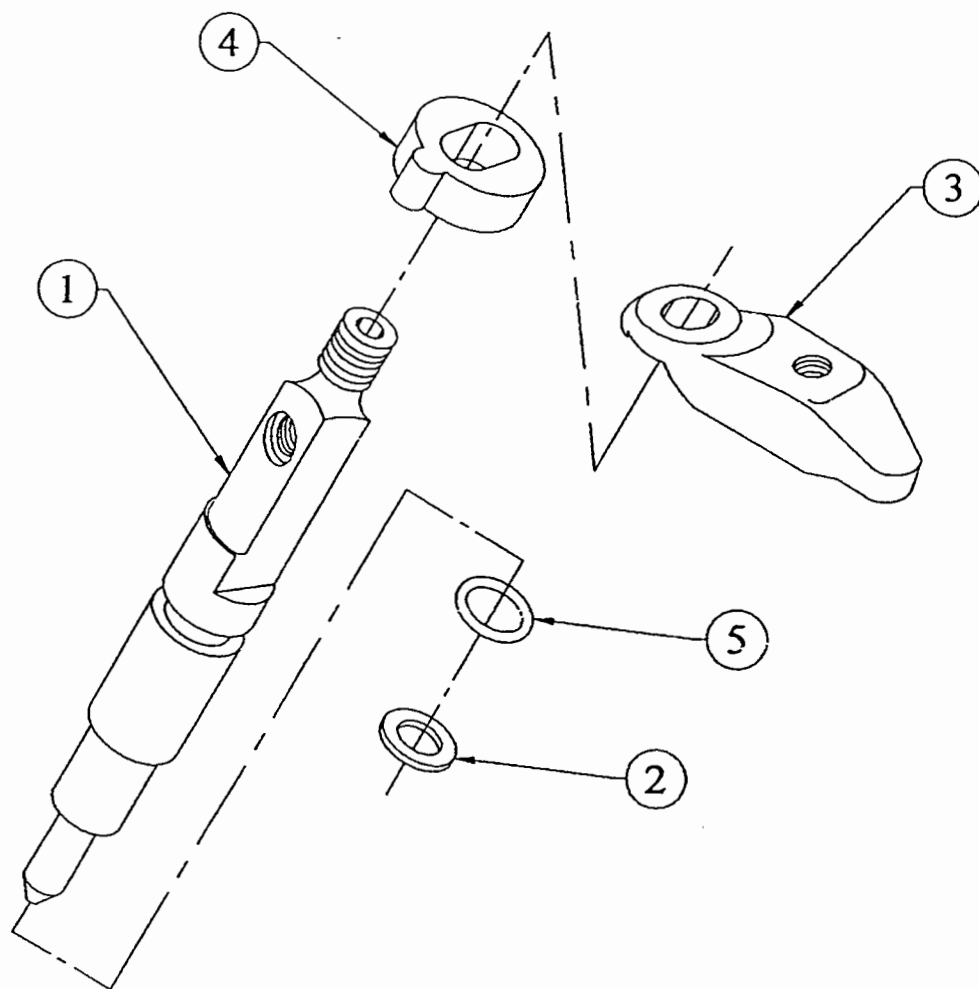
ISSUE 01	FIGURE NO. 35	ENGINE	GROUP 1	PAGE 72
S.NO.	PART NO.	DESCRIPTION Gear Casing (S/F Gear Driven Comp.)	QUANTITY	NOTE
1	3H.115.01.0.00	Gear Casing	1	
2	2H.005.02.0.00	Joint	1	
3	50.01.10.030	Stud	4	
4	03.001.25.0.00	Washer	4	
5	50.006.10.000	Nut	4	
6	50.003.08.025	Setscrew	6	
7	50.506.08.000	Plain Machined Washer	10	
8	34.001.23.0.00	Dowel For Gear Casing	2	
9	03.013.06.0.00	Oil Seal	1	
10	50.002.08.110	Set Bolt	2	
11	50.002.08.080	Set Bolt	2	



HIGH PRESSURE PIPE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 36	ENGINE	GROUP 1	PAGE 74
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		High Pressure Pipe		
*1	4H. 933.04.0.00	H.P.Pie Complete Set	1	< Consisting Of Sr. No. 2 To 10
2	10.029.07.0.00	H.P Pie Assy. Bend	1	< Not Supp Loose
3	4H.050.30.0.00	H.P Pie Assy. Bend	1	< Not Supp Loose
4	4H.050.40.0.00	H.P Pie Assy. Bend	1	< Not Supp Loose
5	4H.050.50.0.00	H.P Pie Assy. Bend	1	< Not Supp Loose
6	50.541.02.000	Pipe Clip	1	
7	02.036.03.0.00	Rubber Sleeve	7	
8	50.541.03.000	Pipe Clip	1	
9	50.003.06.012	Setscrew	2	
10	50.006.06.000	Nut	2	

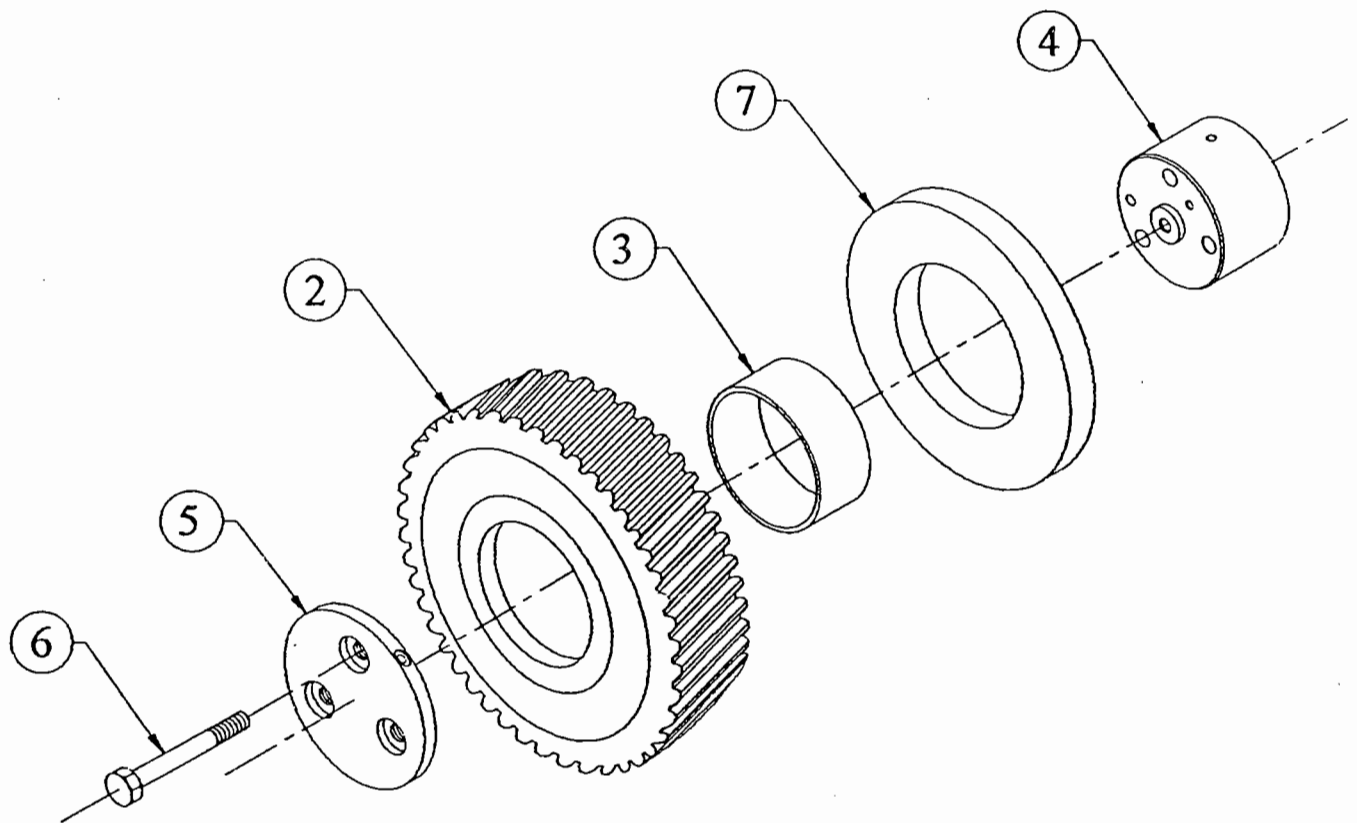


INJECTOR & MOUNTING OF CMVR STAGE II

ECEL HK-17 CRANE

PARTS CATALOGUE

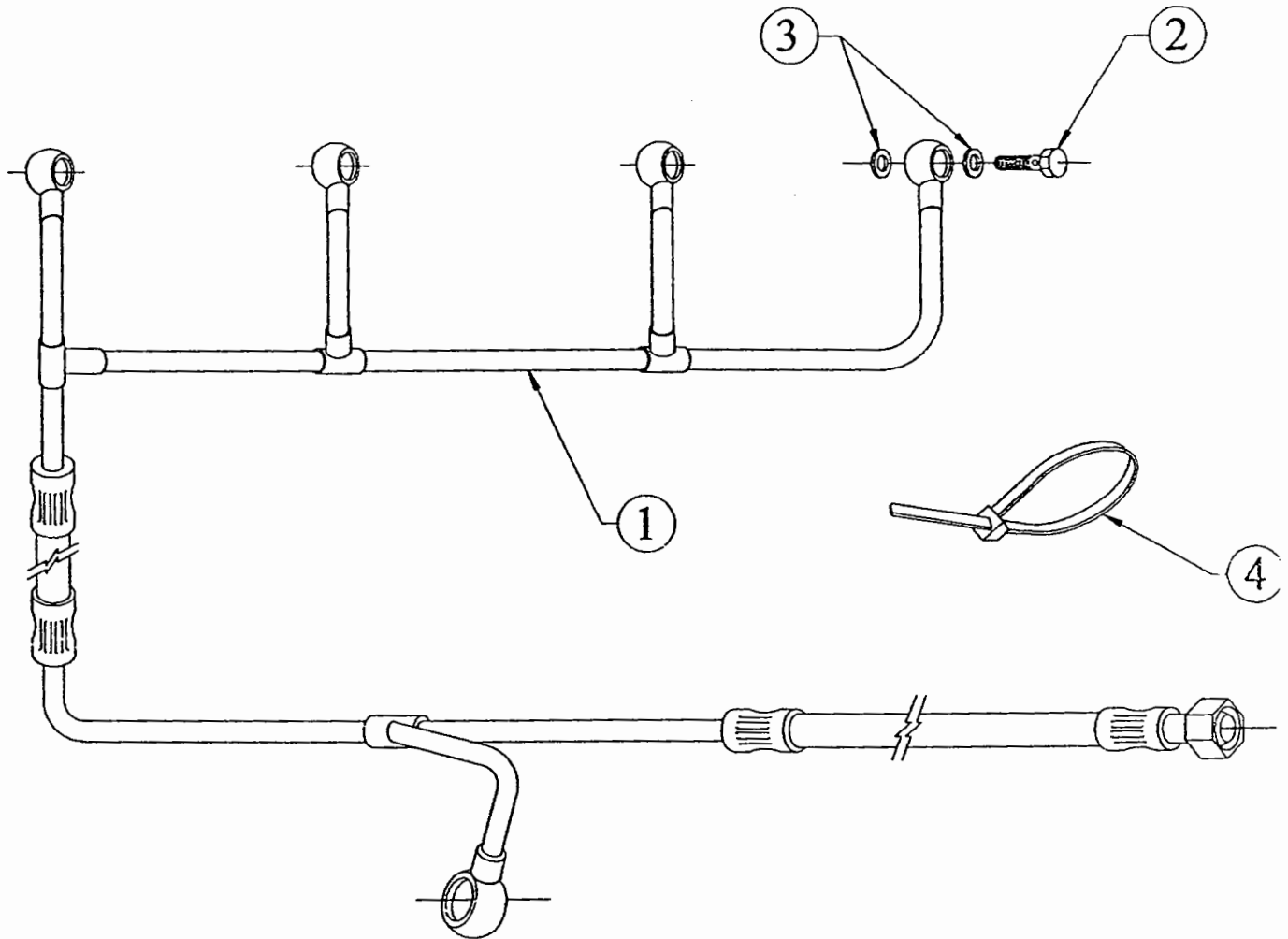
ISSUE 01	FIGURE NO. 37	ENGINE	GROUP 1	PAGE 76
S.NO.	PART NO.	DESCRIPTION Injector & Mounting OF CMVR Stage II	QUANTITY	NOTE
1	4H.933.04.0.00	Assembly Of Injector	1	
2	10.029.07.0.00	Washer For Inj.	1	
3	2H.023.01.0.00	Injector Yoke	1	
4	02.035.08.0.00	Bush Fpr Injector	1	
5	3H.009.11.0.00	"O" Ring For Nozzle	1	



INTERMEDIATE GEAR AND SUPPORT

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 38	ENGINE	GROUP 1	PAGE 78
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Intermediate Gear and Support		
*1	2H.038.10.0.00	Assy. Of Intermediate Gear & Bush	1	< Consisting Of Sr. No. 2 & 3
2	2H.038.03.0.00	Intermediate Gear	1	
3	2H.004.02.9.00	Bush For Intermediate Gear	1	
4	4H.237.01.0.00	Intermediate Gear Support	1	
5	2H.004.04.0.00	Retaining Plate	1	
6	50.002.08.070	Set Bolt	3	
7	2H.038.02.0.00	Thrust Washer	1	

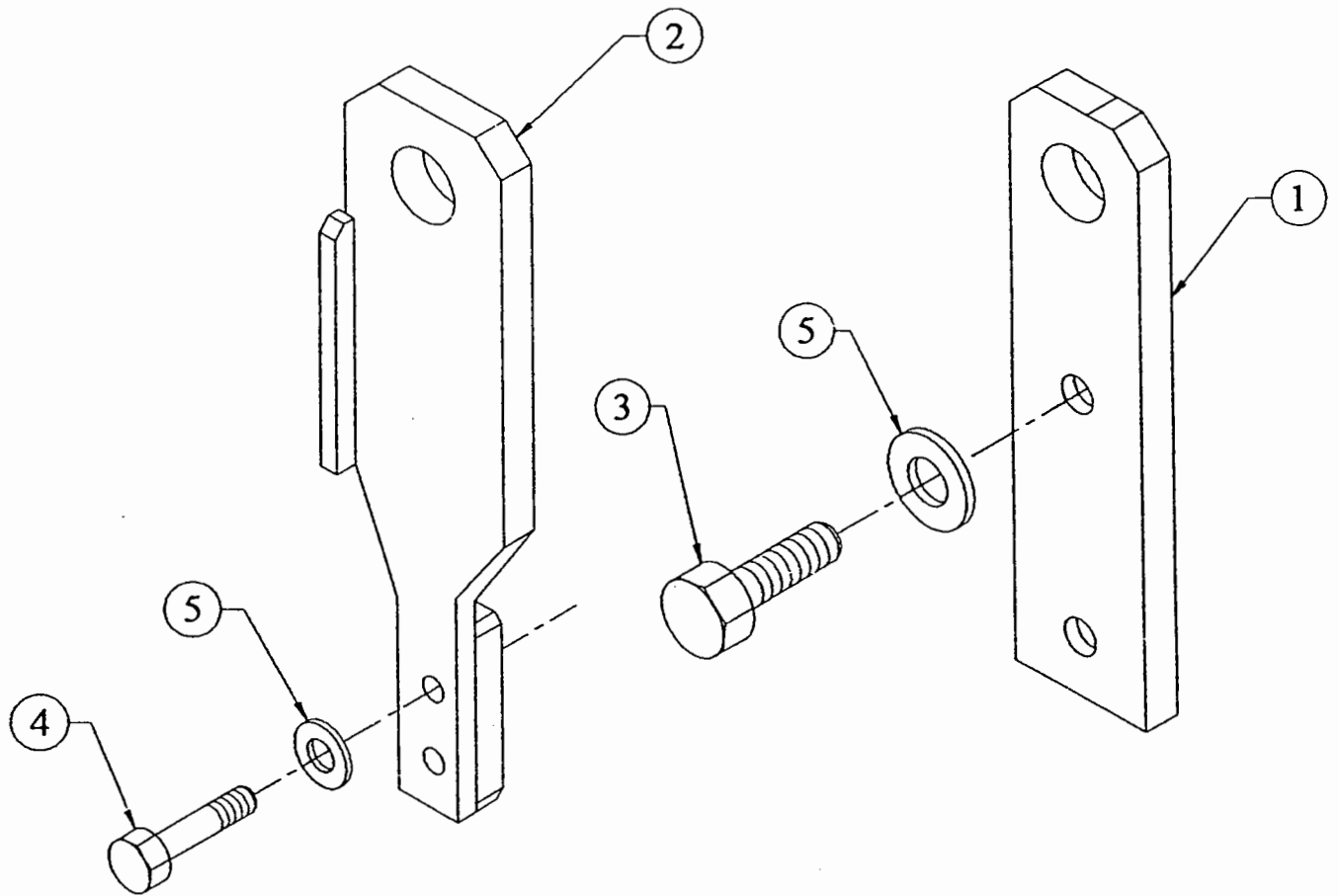


LEAK OFF PIPE FOR SHANTI

ECEL HK-17 CRANE

PARTS CATALOGUE

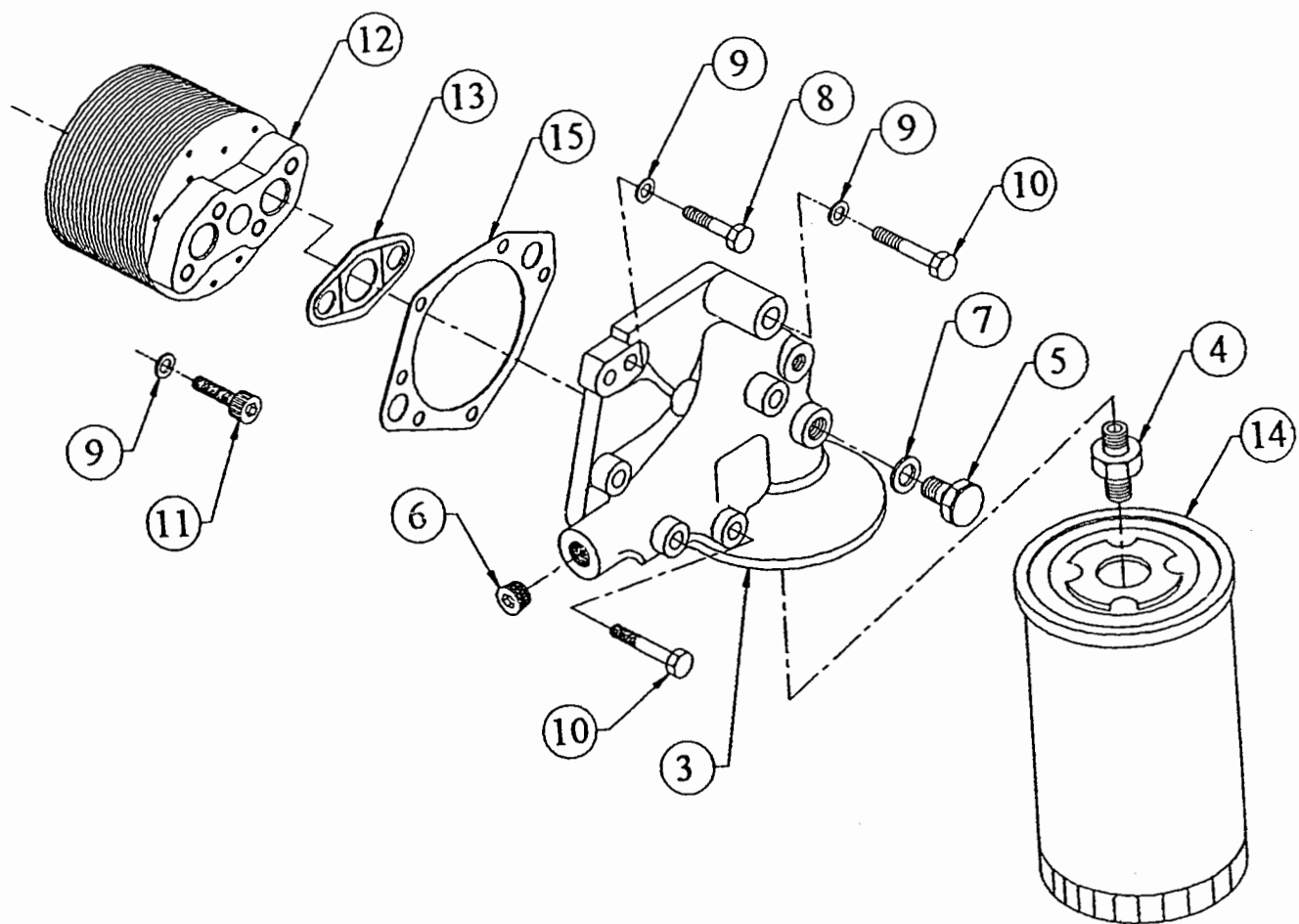
ISSUE 01	FIGURE NO. 39	ENGINE	GROUP 1	PAGE 80
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Leak Off Pipe		
1	4H.486.10.0.00	Leak Off Pipe Sub Assy.	1	
2	03.027.04.0.00	Banjo Bolt	4	
3	4H.010.93.0.00	Mico Copper Washer For Leak	8	
4	4H.010.24.0.00	Plastic Clamp	1	



LIFTING HOOK

PARTS CATALOGUE

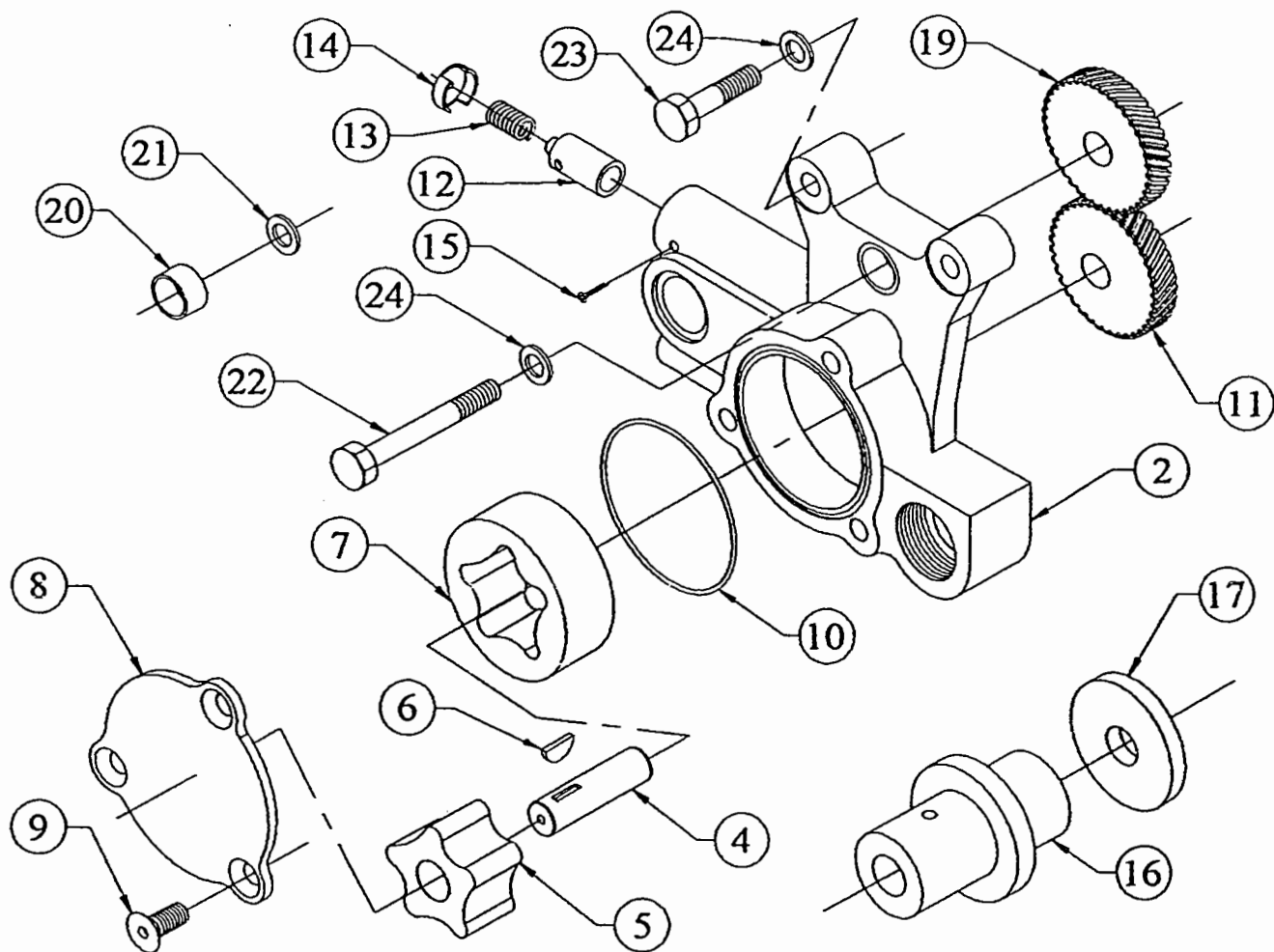
ISSUE 01	FIGURE NO. 40	ENGINE	GROUP 1	PAGE 82
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lifting Hook		
1	4H.433.01.0.00	Lifting Hook	1	
2	4H.433.01.0.00	Lifting Hook	1	
3	50.033.10.025	Set Screw	2	
4	50.002.10.040	Set Bolt	2	
5	50.506.10.000	Plain Machined Washer -M10	4	



LUB. OIL COOLER & SPIN FILTER

ECEL HK-17 CRANE**PARTS CATALOGUE**

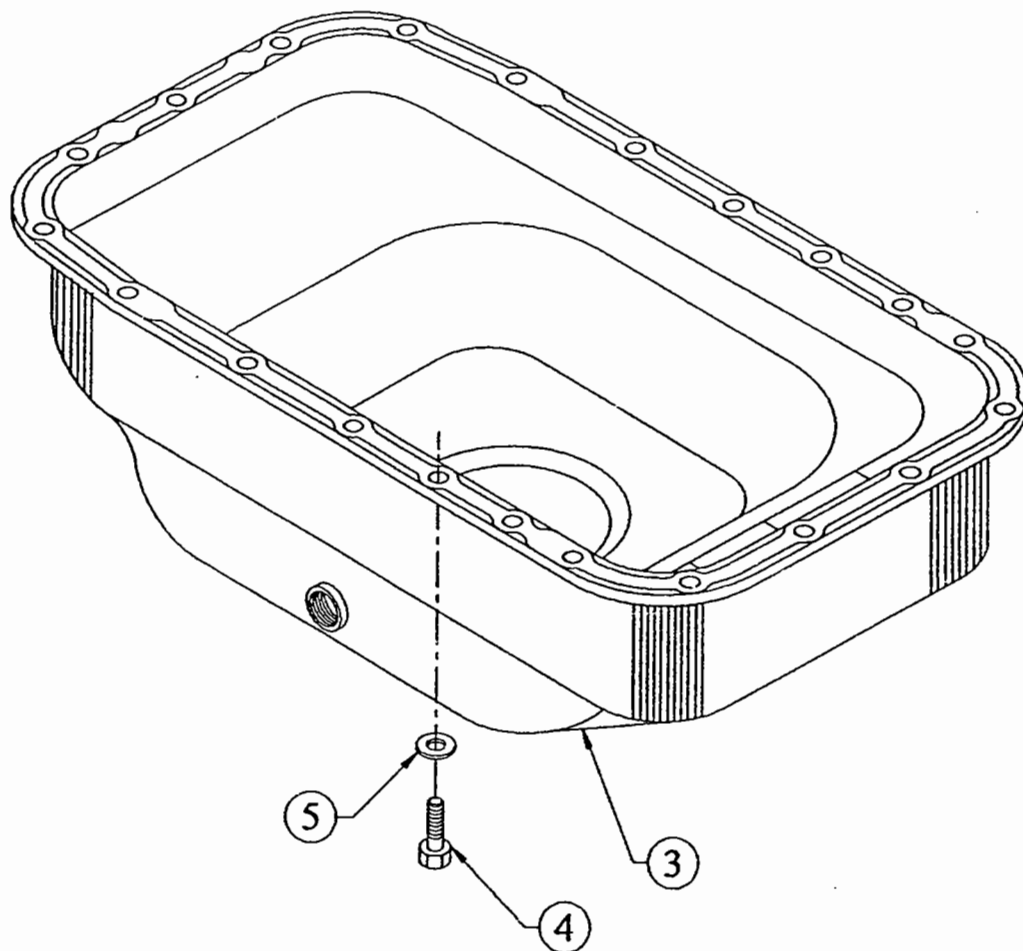
ISSUE 01	FIGURE NO. 41	ENGINE	GROUP 1	PAGE 84
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lub Oil Cooler & Spin Filter		
*1	4H.144.10.0.00	L.O.Cooler & Header Assy.	1	< Consisting Of Sr. No. 2, 8 To13 < Consisting Of Sr. No. 3 To 7
*2	4H.144.20.0.00	Header Sub Assy.(L.O Filter	1	
3	4H.385.01.0.00	Header	1	
4	3H.007.05.0.00	Adaptor For Spin On Filter	1	
5	34.001.09.0.00	Plug For Oil Gallery	1	
6	50.056.06.000	Head Less Pipe Plug	2	
7	50.565.10.000	Internal Rubber Lip Sealing Washer	1	
8	50.002.08.070	Set Bolt	1	
9	50.506.08.000	Plain Machined Washer	6	
10	50.002.08.070	Set Bolt	5	
11	50.506.08.000	Socket Head Screw	4	
12	50.002.08.090	Lub Oil Cooler	1	
13	50.011.08.035.	Joint For Lub Oil Cooler	1	
14	4H.385.02.0.00	Spin On Filter For Lubricating Oil	1	
15	34.007.02.00	Joint For Header	1	



LUB OIL PUMP

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 42	ENGINE	GROUP 1	PAGE 86
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lub Oil Pump		
*1	6H.004.10.0.00	Lub. Oil Pump Assy.	1	< Consisting Of Sr. No.2,3 & 7 to 15
2	6H.004.20.0.00	Sub. Assy. Of L.O.Pump Body & Bush	1	
*3	06.010.10.0.00	Rotor Assy.	1	< Consisting Of Sr. No. 4,5 & 6
4	06.010.03.0.00	Shaft	1	< Not Supp Loose
5	06.010.04.0.00	Inner Rotor	1	< Not Supp Loose
6	50.405.11.000	Woodruff Key	1	< Not Supp Loose
7	06.010.05.0.00	Outer Rotor	1	< Not Supp Loose
8	06.010.02.0.00	Cover Plate	1	
9	06.010.01.0.00	Counter Sunk Socket Head Screw	3	
10	03.010.11.0.00	"O" Ring - L.O.Pump	1	
11	3H.005.04.0.00	Lub Oil Pump Driving Gear	1	
12	03.010.13.0.00	Relief Valve	1	
13	03.014.14.0.00	Sspring For Relief Valve	1	
14	03.010.15.0.00	Cup For Spring	1	
15	50.036.07.010	Split Cotter Pin	1	
16	4H.372.01.0.00	Shaft For Lub Oil Pump	1	
17	4H.372.02.0.00	Hard Washer	1	
*18	3H.005.30.0.00	Sub. Assy.of L.O. Pump Int. Gear & Bush	1	< Consisting Of Sr. NO. 19, 20
19	3H.005.03.0.00	Intermediate Gear	1	
20	34.014.12.0.00	Bush For Lever	1	
21	02.024.38.0.00	Washer	1	
22	50.002.08.075	Set Bolt	1	
23	50.002.08.035	Set Bolt	2	
24	50.506.08.000	Plain Machined Washer	4	

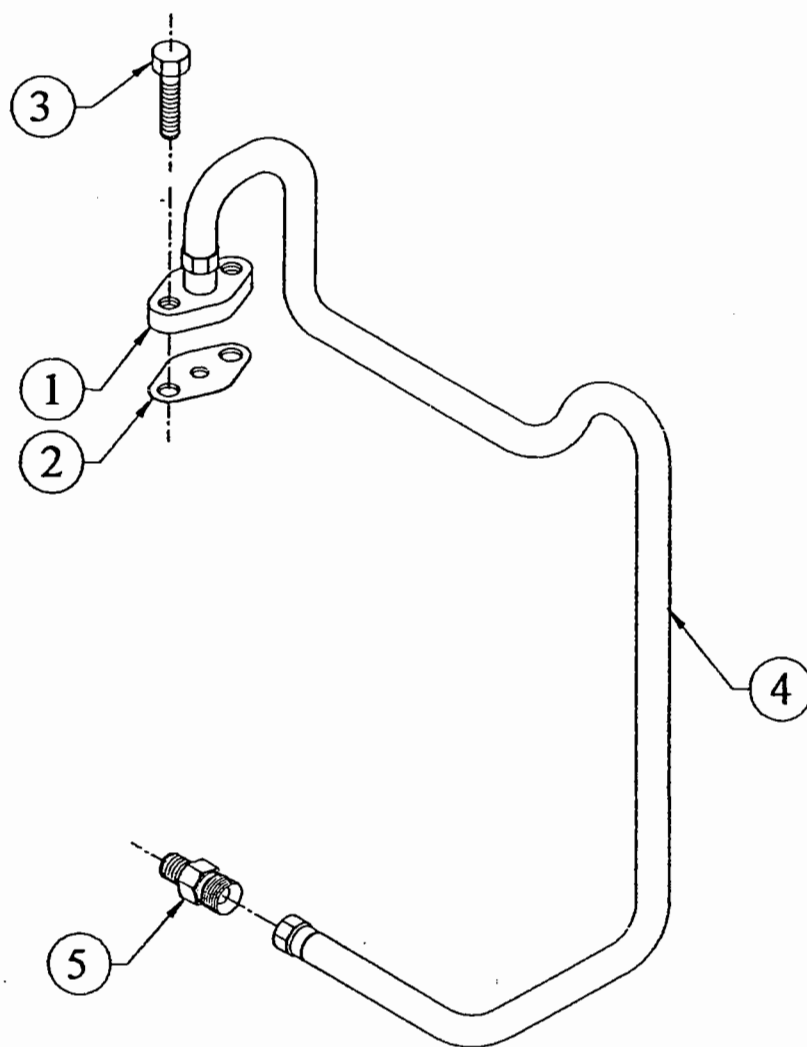


LUB OIL SUMP

ECEL HK-17 CRANE

PARTS CATALOGUE

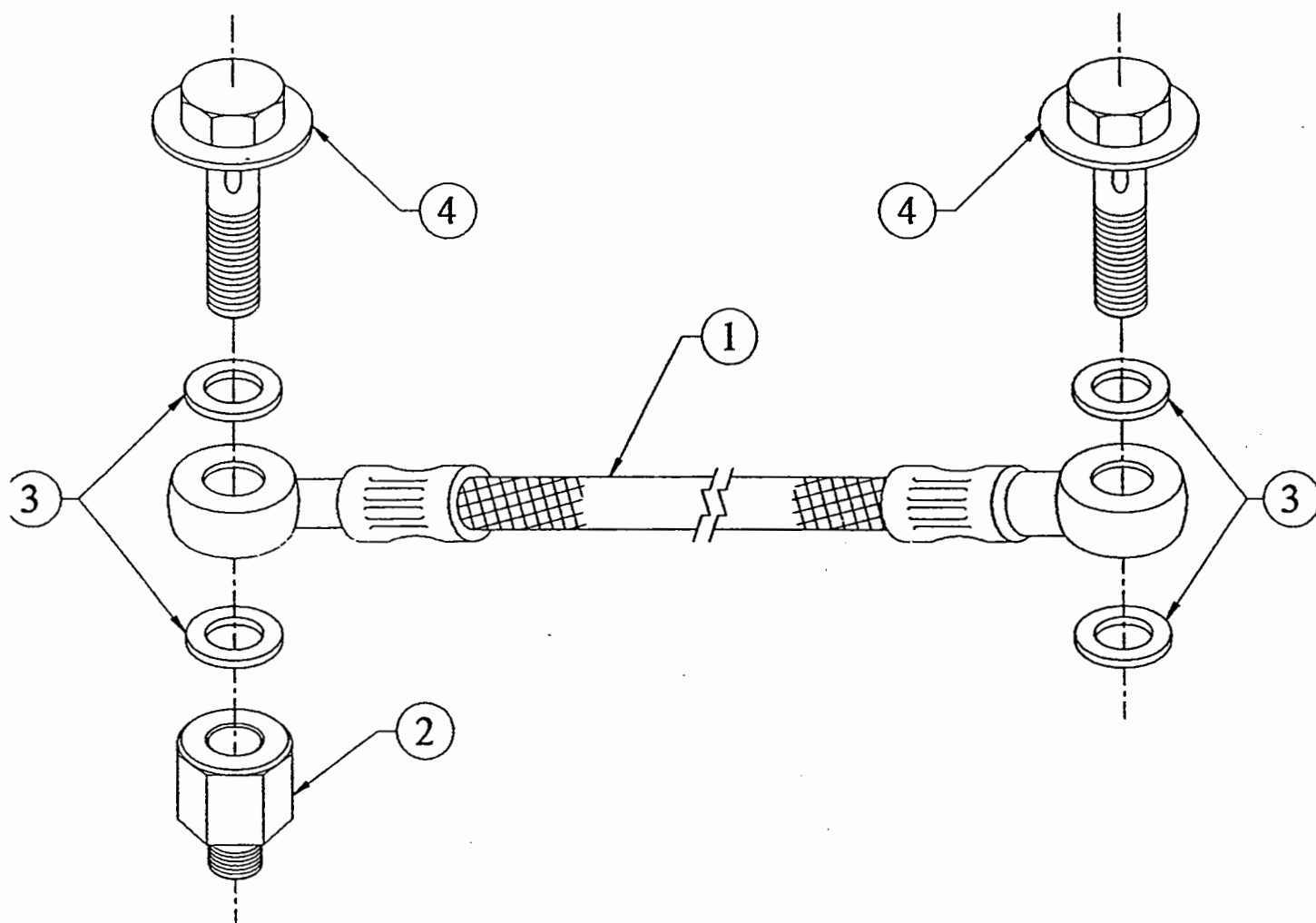
ISSUE 01	FIGURE NO. 43	ENGINE	GROUP 1	PAGE 88
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lub Oil Sump		
*1	04.417.20.0.00	Lub Oil Sump Assy.	1	< Consisting Of Sr. No.2
*2	04.417.01.0.00	Lub Oil Sump Assy.	1	< Consisting Of Sr. No. 3
3	04.417.10.0.00	Oil Sump	1	
4	50.011.08.016	Socket Head Screw	21	
5	06.074.16.0.00	Washer	21	
5	06.074.16.0.00	Washer	21	



LUB OIL SUPPLY

ECEL HK-17 CRANE**PARTS CATALOGUE**

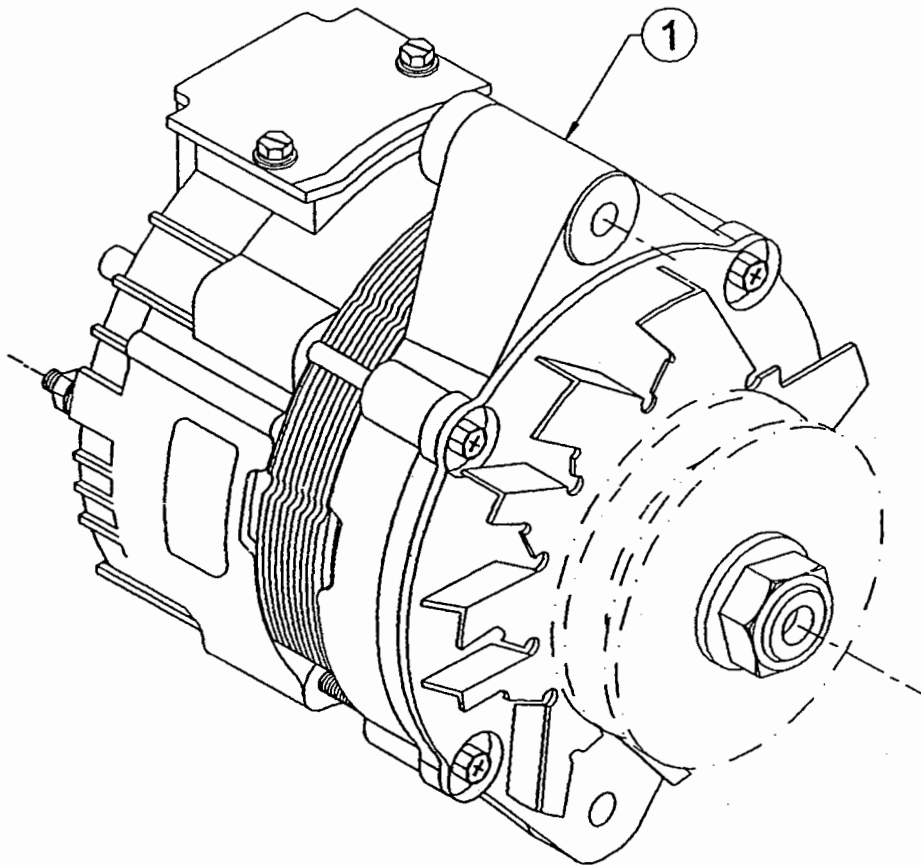
ISSUE 01	FIGURE NO. 44	ENGINE	GROUP 1	PAGE 90
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lub Oil Supply For Turbo From L.O Filter Header		
1	4H.132.02.0.00	Adaptor	1	
2	4H.132.03.0.00	Setscrew	1	
3	50.003.08.020	Lub Oil Supply Pipe For Turbo	2	
4	4H.524.01.0.00	Lub Oil Supply Pipe For Turbo	1	
5	4H.524.02.0.00	Adaptor on L O Filter Header For Turbo Supply Pipe	1	



LUB OIL SUPPLY TO COMPRESSOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

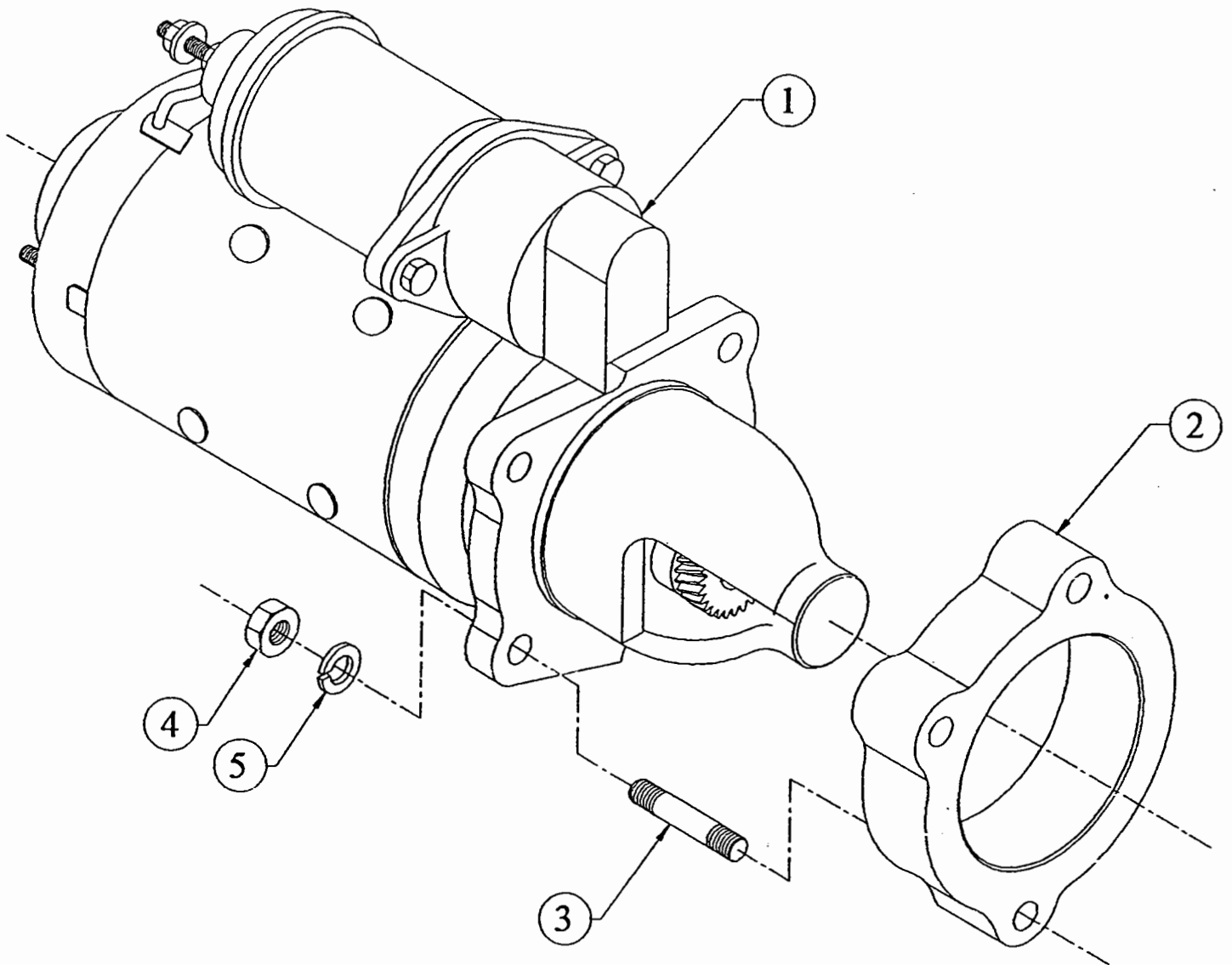
ISSUE 01	FIGURE NO. 45	ENGINE	GROUP 1	PAGE 92
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Lub Oil Supply To Compressor		
1	4H.006.01.0.00	L.O.Supply Hose	1	
2	4H.495.01.0.00	Adaptor For Lub Oil Supply Pipe	1	
3	50.508.07.000	Copper Washer	4	
4	03.660.07.07.0.00	Special Banjo Bolt	2	
*5	50.508.08.000	Copper Washer	1	< Not Illustrated



ALTERNATOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 46	ENGINE	GROUP 1	PAGE 94
S.NO.	PART NO.	DESCRIPTION Alternator	QUANTITY	NOTE
1	4H.422.01.0.00	Alternator	1	

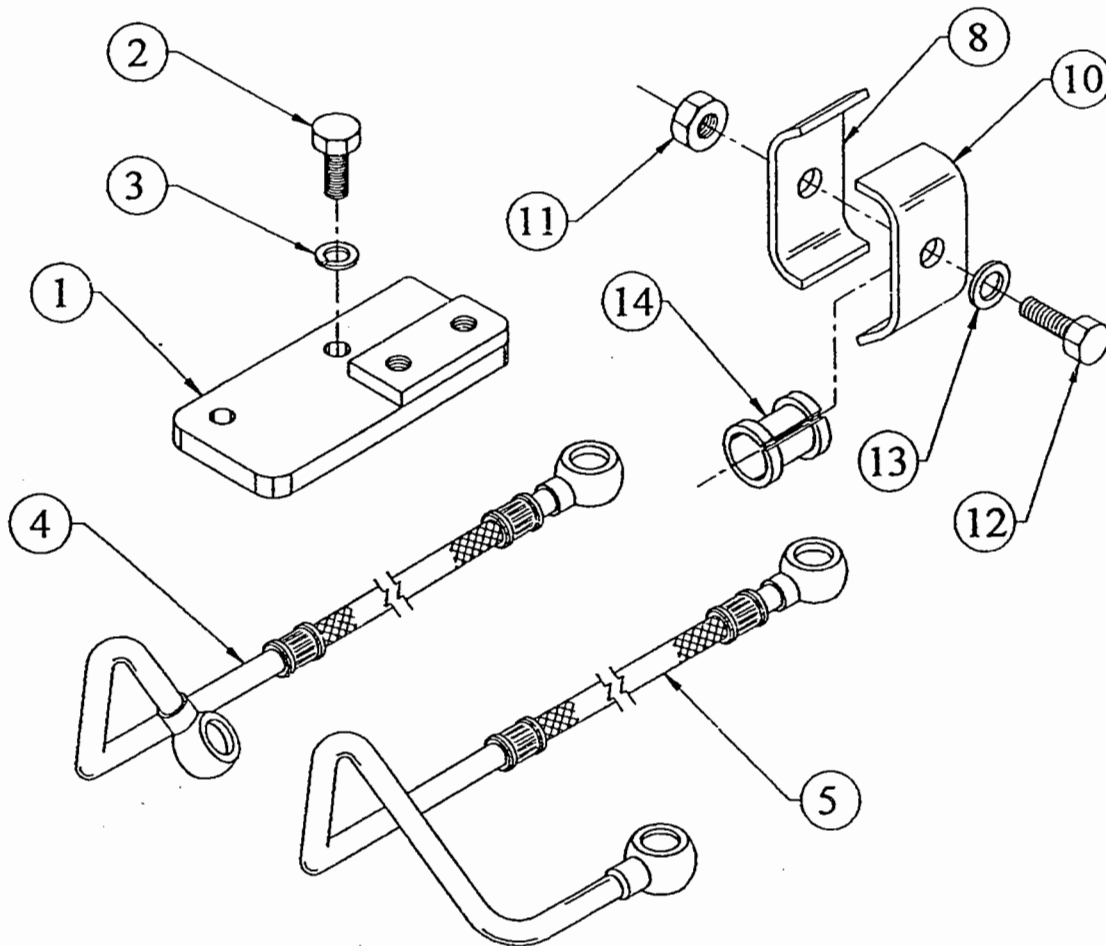


STARTER

ECEL HK-17 CRANE

PARTS CATALOGUE

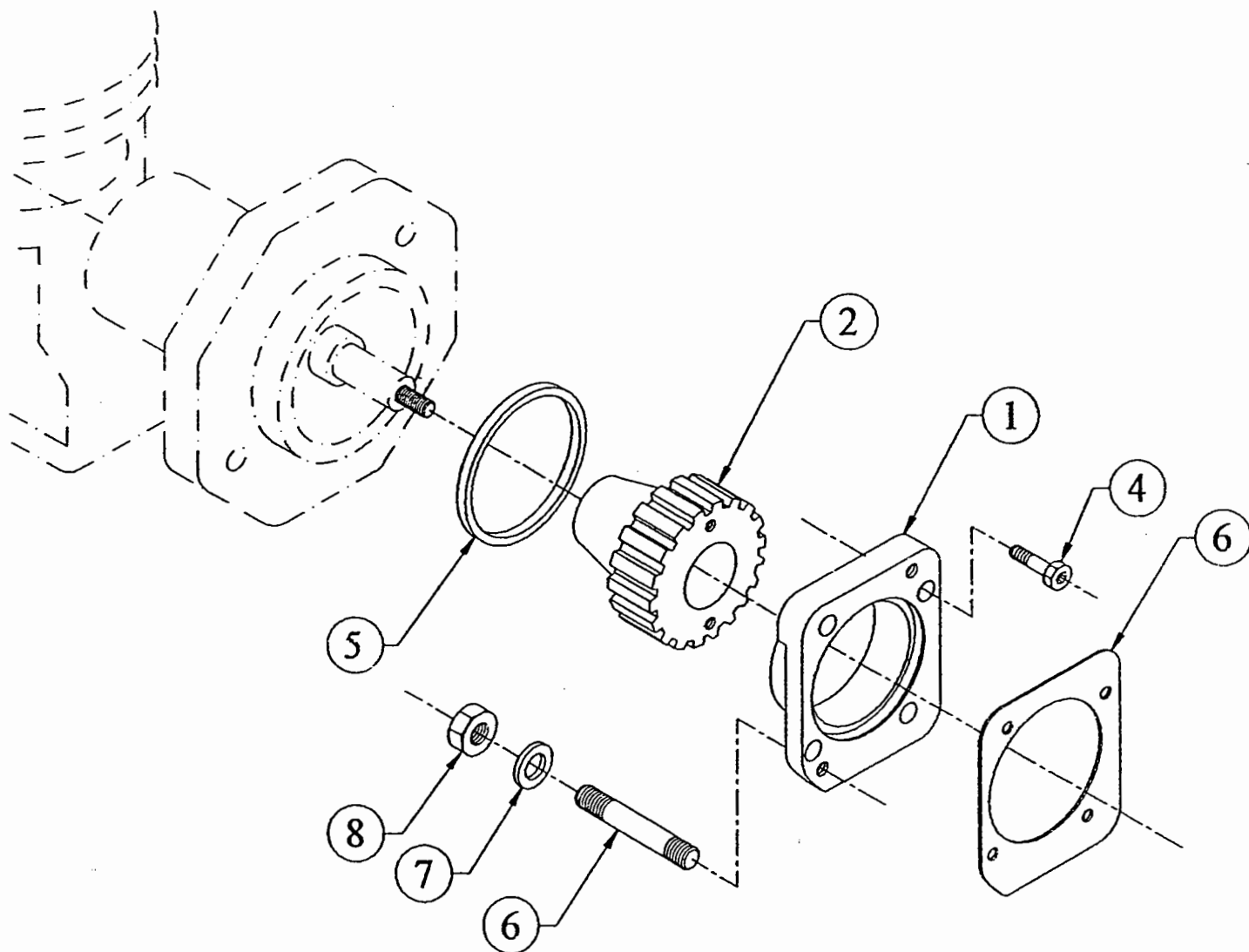
ISSUE 01	FIGURE NO. 47	ENGINE	GROUP 1	PAGE 96
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		7M Lucas Starter (24V)		
1	6H.077.01.0.00	Starter (24V)	1	
2	4H.23..01.0.00	Spacer For 24 V Starter	1	
3	50.010.10.045	Stud	3	
4	50.006.10.000	Nut M10x1.5- Gr.8	3	
5	50.505.10.000	Spring Washer - M10	3	



FUEL FILTER MOUNTING WITH PIPING

ECEL HK-17 CRANE**PARTS CATALOGUE**

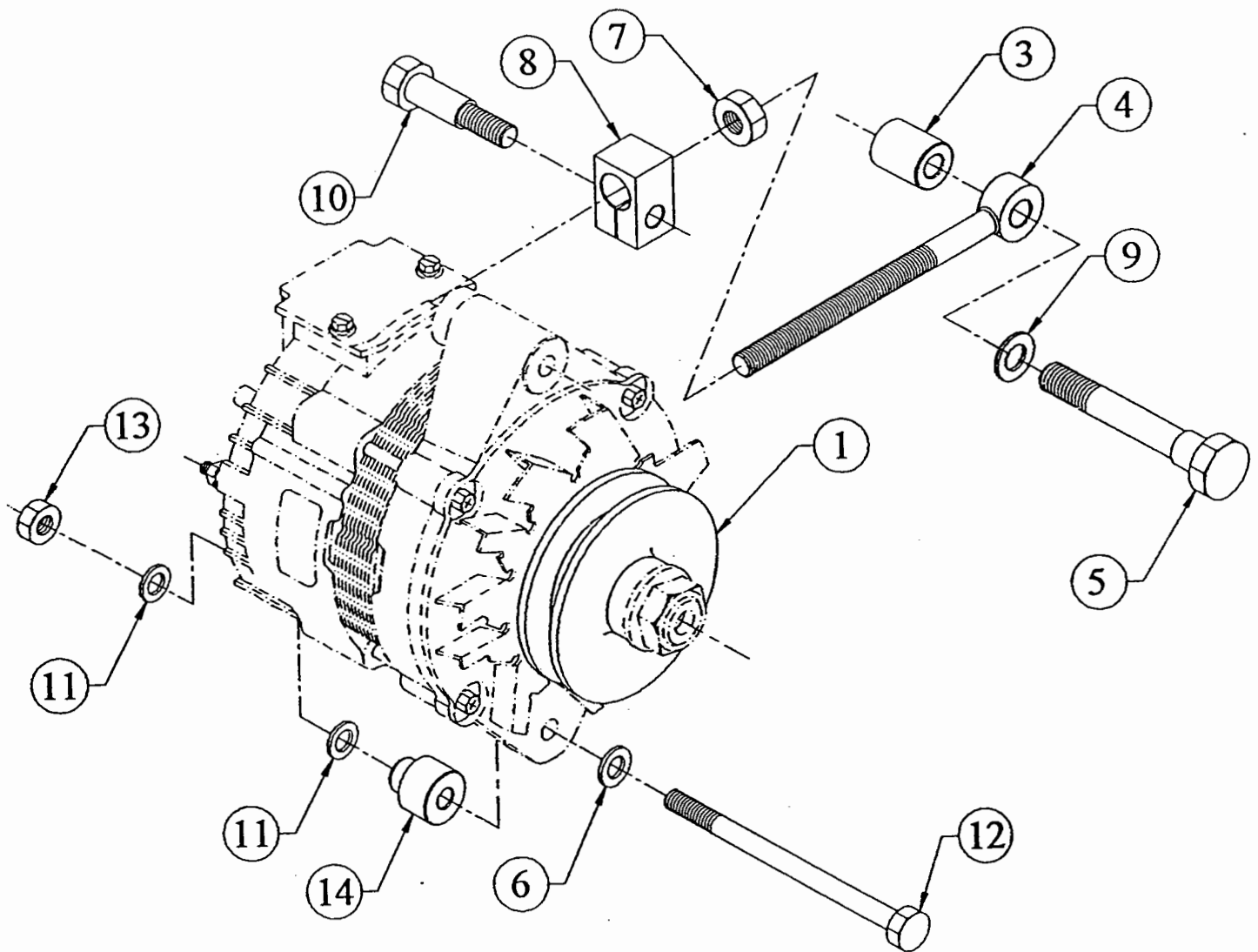
ISSUE 01	FIGURE NO. 48	ENGINE	GROUP 1	PAGE 98
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Fuel Filter Mounting With Piping		
1	4H.399.01.0.00	Plate For Fuel Filter	1	
2	50.003.08.25	Setscrew	2	
3	50.505.08.000	Spring Washer -M8	2	
4	4H.399.02.0.00	Fuel Pipe Fuel Filter To Fuel Pump	1	
5	4H.399.03.0.00	Fuel pipe Feed Pump To Fuel Filter	1	
*6	4H.031.20.0.00	Clamp Assy. For Fuel Pipes	1	< Consisting Of Sr. No. 7 & 14
*7	4H.031.30.0.00	Clamp Assy.	1	< Consisting Of Sr. No. 8,9 &12,13
8	4H.031.06.0.00	Clamp	1	
*9	4H0.31.10.0.00	Clamp Sub Assy.	1	< Consisting Of Sr. No. 10 & 11
10	4H.031.06.0.00	Clamp	1	
11	50.006.06.000	Nut	1	
12	50.003.06.025	Setscrew -M6x125.8.8	1	
13	50.506.06.000	Plain Machined Washer -M6	1	
14	4H.031.07.0.00	Rubber Sleeve	2	



MOUNTING FOR GEAR DRIVEN COMPRESSOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

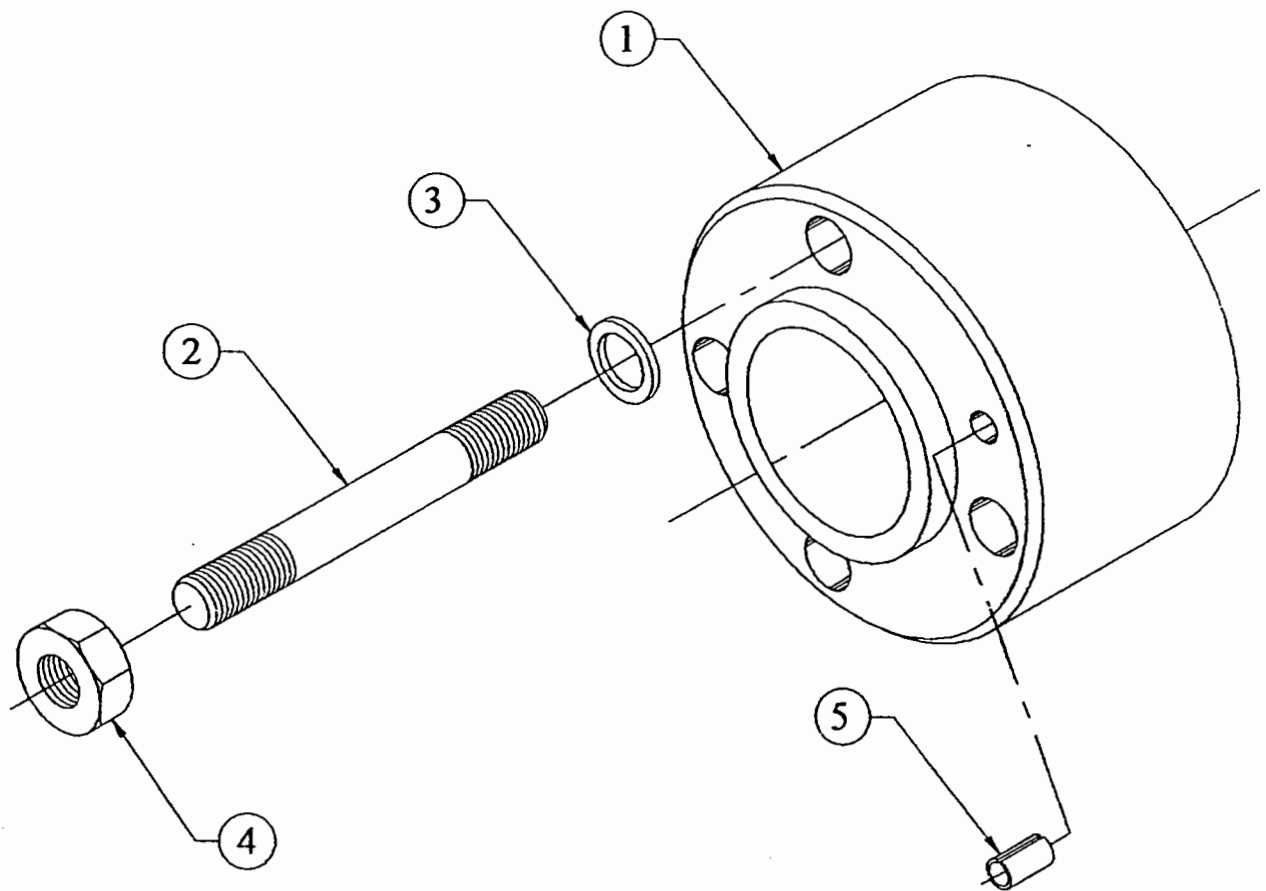
ISSUE 01	FIGURE NO. 49	ENGINE	GROUP 1	PAGE 100
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Mounting For Gear Driven Compressor		
1	3H.120.01.0.00	Adaptor Plate	1	
2	3H.120.02.0.00	Gear	1	
3	3H.120.03.0.00	Joint For Adaptor Plate	1	
4	50.011.08.025	Socket Head Screw	4	
5	03.609.15.0.00	"O" Ring For Compressor	1	
6	50.010.10.025	Stud	2	
7	50.506.10.000	Plain Machined Washer -M10	2	
8	50.006.10.000	Nut - M101.5 -Gr.8	2	



MOUNTING FOR ALTERNATOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

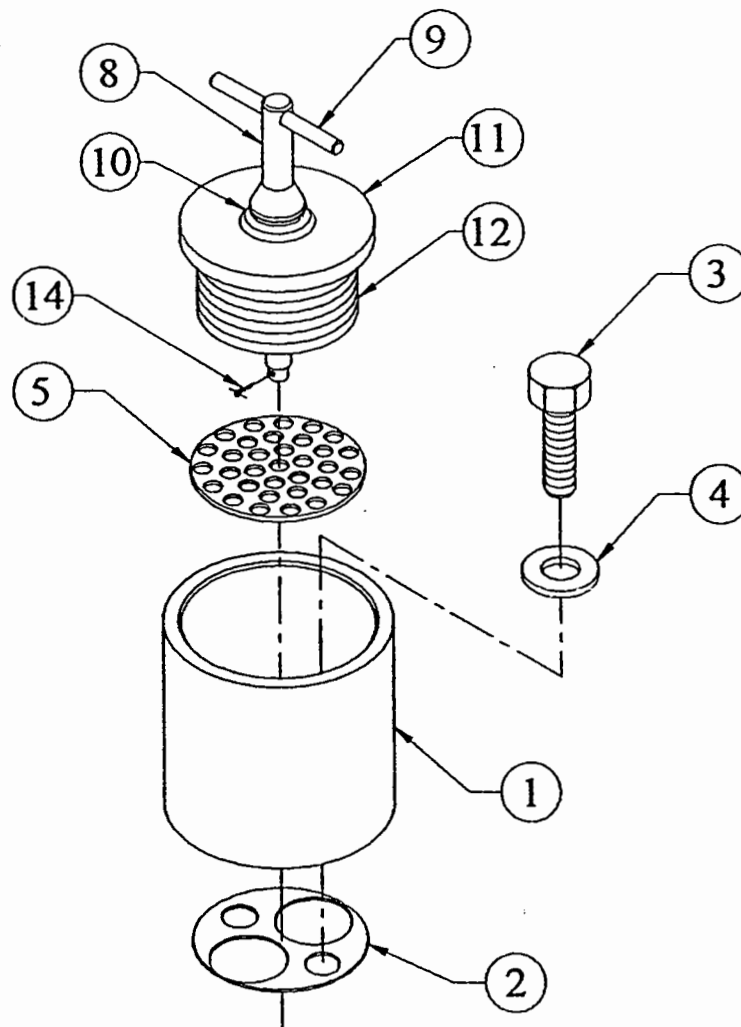
ISSUE 01	FIGURE NO. 50	ENGINE	GROUP 1	PAGE 102
S.NO.	PART NO.	DESCRIPTION Mtg.For Alternator	QUANTITY	NOTE
1	6H.017.01.0.00	Pulley For Alternator	1	< Consisting Of Sr. NO. 3 to 14
*2	4H.561.10.0.00	Alternator Mounting Arrangement	1	
3	4H.561.01.0.00	Spacer II I.D. X25.5 L	1	
4	4H.329.24.0.00	Eye Bolt	1	
5	4H.329.27.0.00	Locating Bolt	1	
6	50.506.12.000	Plain Machined Washer-M12	1	
7	50.006.10.000	Nut -M10x 1.5 -Gr.8	2	
8	4H.329.26.0.00	Swivel Piece	1	
9	50.506.10.000	Plain Machined washer -M10	3	
10	4H.329.23.0.00	Locatin Bolt	1	
11	50.506.08.000	Plain Machined Washer- M8	2	
12	50.002.08.120	Set Bolt	1	
13	50.006.08.000	Nut -M10x 1.5 -Gr.8	1	
14	4H.329.05.0.00	Bush For Alternator Mounting	1	



MOUNTING FOR RADIATOR FAN

ECEL HK-17 CRANE**PARTS CATALOGUE**

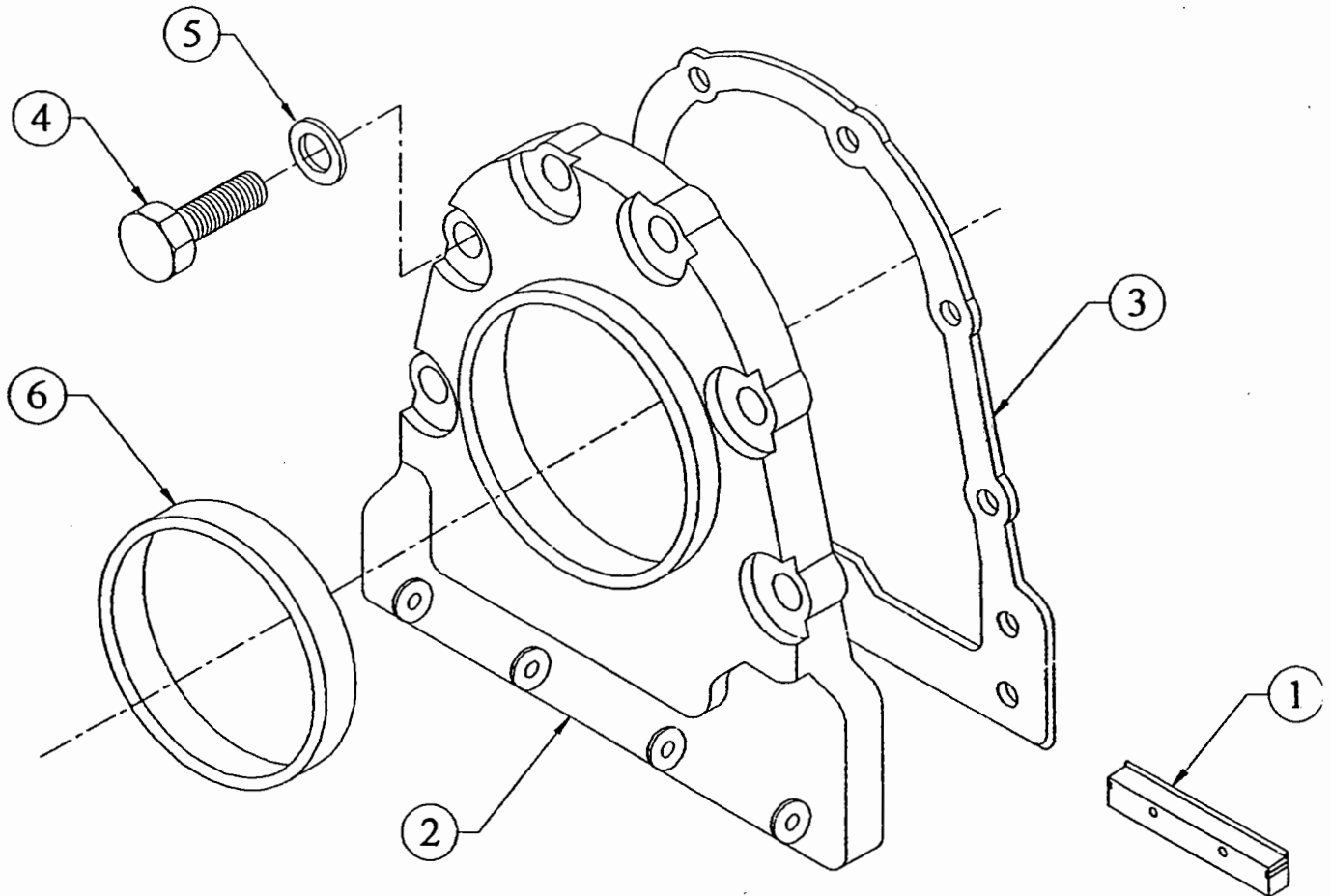
ISSUE 01	FIGURE No. 51	ENGINE \\	GROUP 1	PAGE 104
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Mtg. For Raditor Fan		
1	4H.303.02.0.00	Spacer For Radiator Fan	1	
2	50.010.08.065	Stud -M8 x 1.25 x 65 MM 8.8 Grade	4	
3	50.506.08.000	Plain Machined Washer - M8	4	
4	50.006.08.000	Nut M8x1.25 Gr.8	4	
5	50.540.09.016	Spring Dowel Pin	1	



OIL FILLING BODY PTL

ECEL HK-17 CRANE**PARTS CATALOGUE**

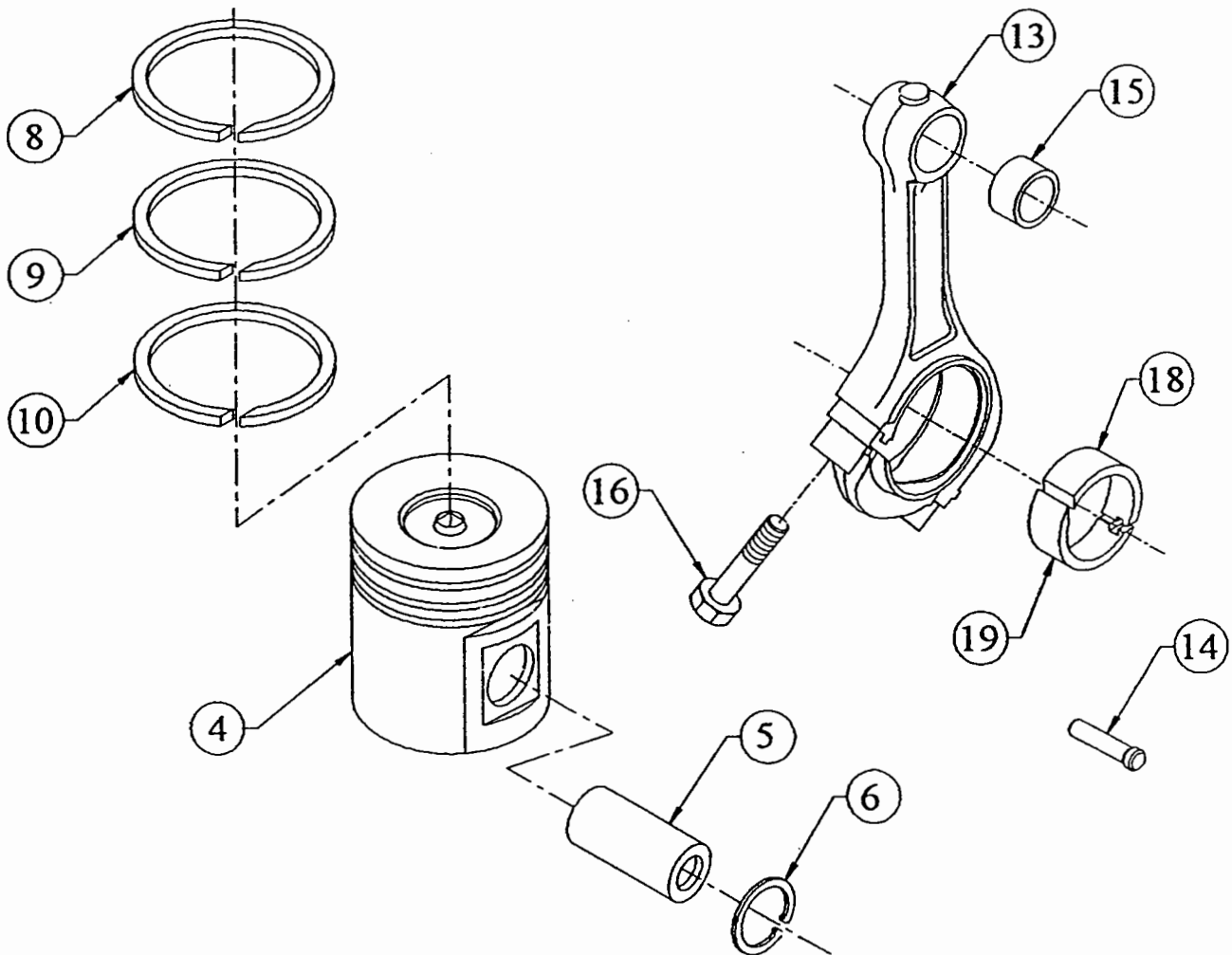
ISSUE 01	FIGURE NO. 52	ENGINE	GROUP 1	PAGE 106
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Oil Filling Body PTL		
1	3H.042.01.0.00	Oil Filling Body PTL	1	
2	3H.042.02.0.00	Joint For Oil Filling Body (PTL)	1	
3	50.003.08.025	Setscrew- M81.25x25 -8.8	2	
4	50.506.08.000	Plain Machined Washer -M8	2	
5	34.036.50.0.00	Perforated Disc	1	
*6	34.036.60.0.00	Cap Assy.	1	< Consisting Of Sr. No. 7 & 10 To 14
*7	03.592.10.0.00	Sub Assy. of Clamping Screw	1	< Consisting Of Sr. No. 8 & 9 To 14
8	03.592.01.0.00	Clamping Screw For Cap	1	
9	34.036.16.0.00	Pin	1	
10	34.036.17.0.00	Washer	1	
11	34.036.14.0.00	Cap	1	
12	03.592.02.0.00	Rubber Bush For Cap	1	
*13	03.592.03.0.00	Bottom Plate For Cap	1	< Not Illustrated
14	50.036.03.001	Split Cotter Pin - 1/16" X 1/2"	1	



OIL SEAL HOUSING

ECEL HK-17 CRANE**PARTS CATALOGUE**

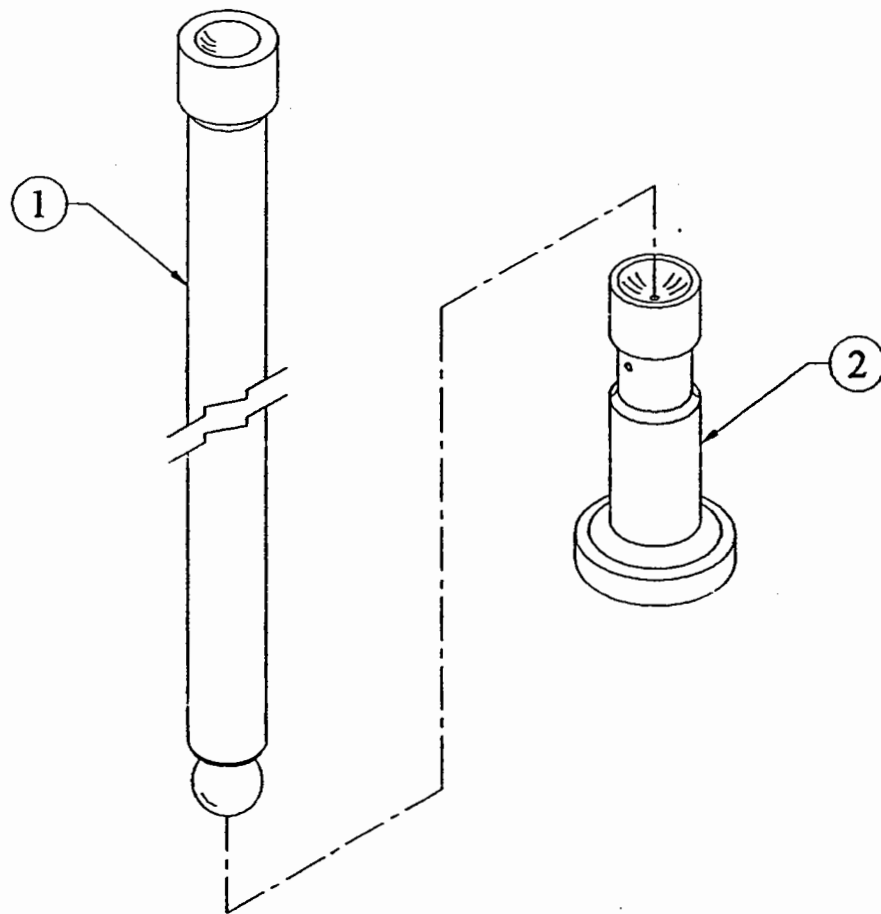
ISSUE 01	FIGURE NO. 53	ENGINE	GROUP 1	PAGE 108
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Oil Seal Housing		
1	2H.039.10.0.00	Plate With Rubber Modling (For Fwe Oil Seal HSG.)	1	
2	2H.006.01.0.00	Oil Seal Hsg. (F.W.E)	1	
3	2H.006.02.0.00	Joint For Oil Seal Housing	1	
4	50.003.08.020	Set Screw -M8x1.25x20 -8.8	10	
5	50.506.08.000	Plain Machined Washer -M8	10	
6	03.007.06.0.00	Oil Seal (115x140x 16)Cr Make	1	



PISTON AND CONNECTING ROD

ECEL HK-17 CRANE**PARTS CATALOGUE**

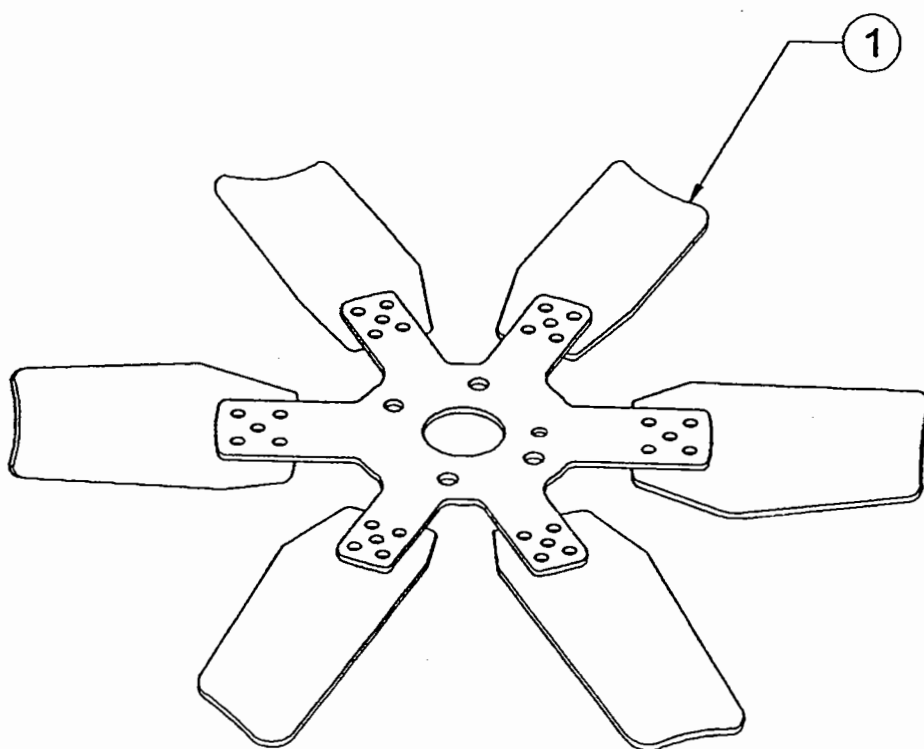
ISSUE 01	FIGURE NO. 54	ENGINE	GROUP 1	PAGE 110
S.NO.	PART NO.	DESCRIPTION Piston & Connecting Rod (Turbocharged Eng.)	QUANTITY	NOTE
*1	4H.153.40.0.00	Piston And Conrod Assy.(Turbo Charged)	1	< Consisting Of Sr. No. 2 & 11
*2	4H.153.10.0.00	Piston Assy. Complete	1	< Consisting Of Sr. No. 3 & 7
*3	4H.153.20.0.00	Piston With Pin	1	< Consisting Of Sr. No. 4 To 6
4	4H.153.01.0.00	Piston (Turbocharged Engine)	1	
5	34.025.24.0.00	Piston Pin	1	
6	50.502.35.000	Circlip (Internal) -35 MM	2	
*7	2H.009.30.0.00	Piston Ring Set (105 Dia)	1	< Consisting Of Sr. No. 8 To 10
8	2H.009.02.0.00	Top Ring (105 Dia)	1	
9	2H.009.03.0.00	Compressor Ring (105 dia)	1	
10	2H.009.04.0.00	Oil Control Ring (10-5 Dia)	1	
*11	02.021.30.0.00	Con. Rod Assy. (With L.E.Brg.)	1	< Consisting Of Sr. No. 12 To 17
*12	02.021.20.0.00	Con Rod Assy.(Without LE Brg.)	1	< Consisting Of Sr. No. 13 To 16
13	02.021.01.0.00	Con Rod (W/ O Mas Balancing)	1	
14	02.021.02.0.00	Locating Pin	1	
15	02.021.03.0.01	Small End Bush (S/F)	1	
16	02.021.04.0.01	Con Rod Bolt	2	
*17	02.021.71.0.00	Assy.Of L.E. Brg. (Top & Bottom)	1	< Consisting Of Sr. No. 18 To 19
18	02.021.05.0.00	Large End Bearing (Top) STD	1	
19	02.021.06.0.00	Large End Bearing (Bottom) STD	1	



PUSHROD AND TAPPETS

ECEL HK-17 CRANE**PARTS CATALOGUE**

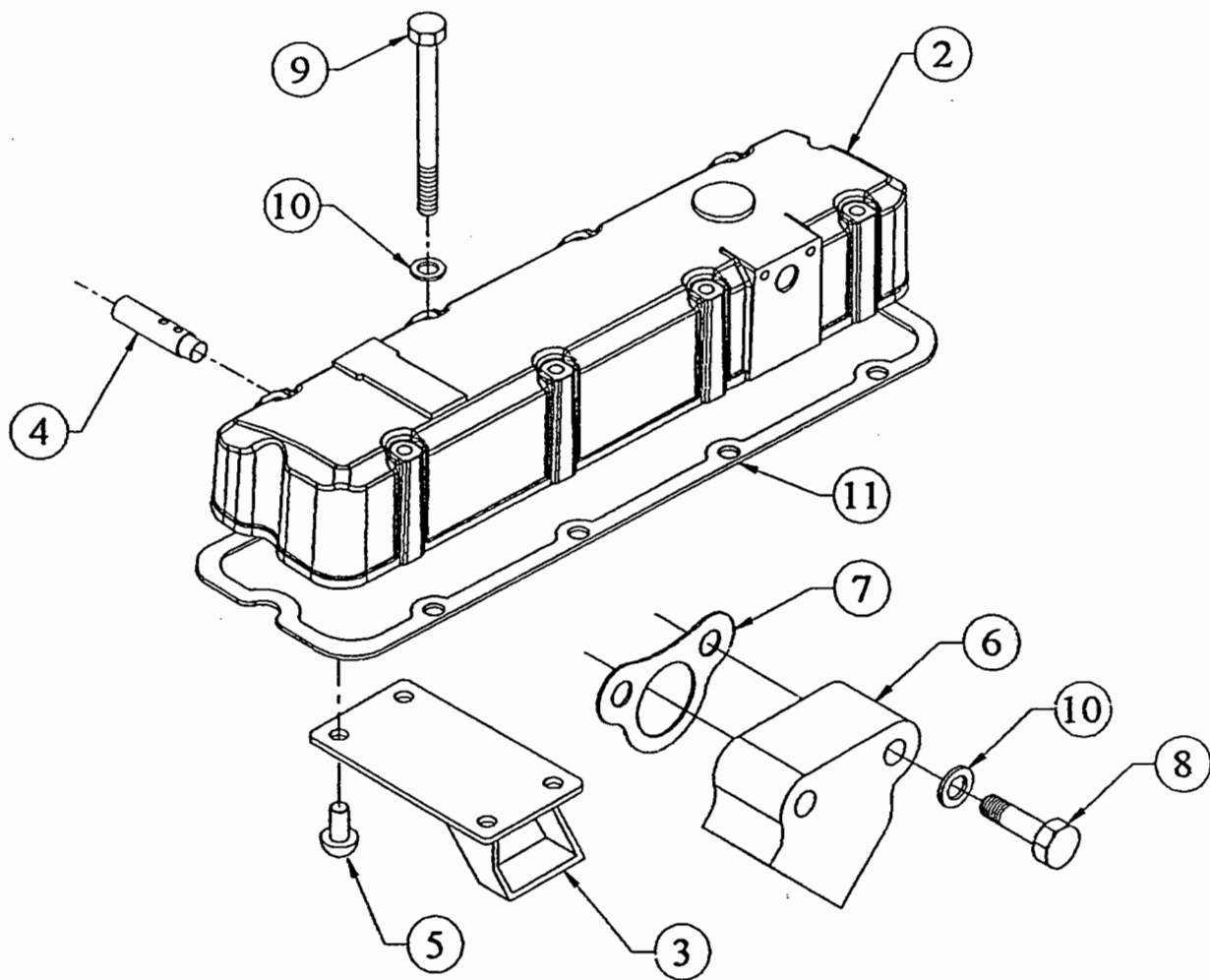
ISSUE 01	FIGURE NO. 55	ENGINE	GROUP 1	PAGE 112
S.NO.	PART NO.	Pushrod & Tappets	QUANTITY	NOTE
1	02.024.70.0.00	Push Rod (Welded)	2	
2	02.024.01.0.00	Valve Tappet	2	



RADIATOR FAN

ECEL HK-17 CRANE**PARTS CATALOGUE**

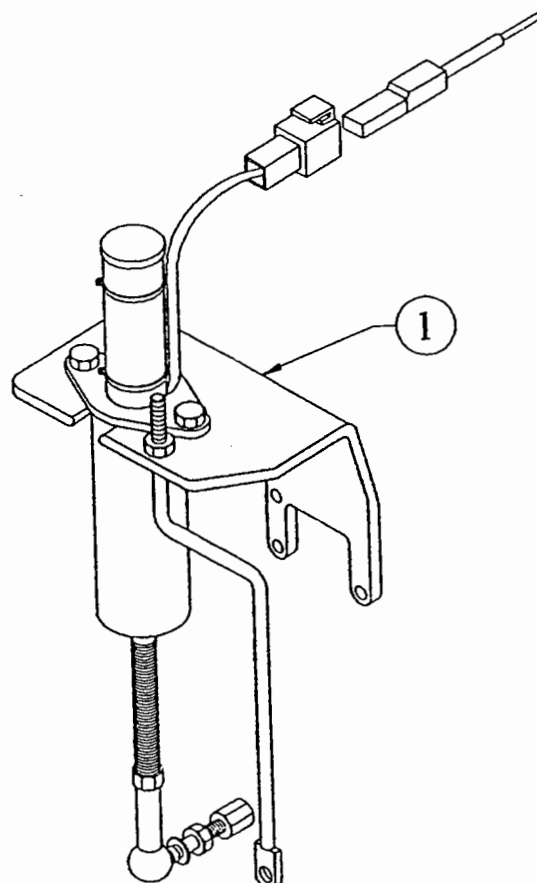
ISSUE 01	FIGURE NO. 56	ENGINE	GROUP 1	PAGE 114
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Radiator Fan		
1	49.080.01.0.00	Radiator Fan 494 Dia (Pusher)	1	



ROCKER COVER

ECEL HK-17 CRANE**PARTS CATALOGUE**

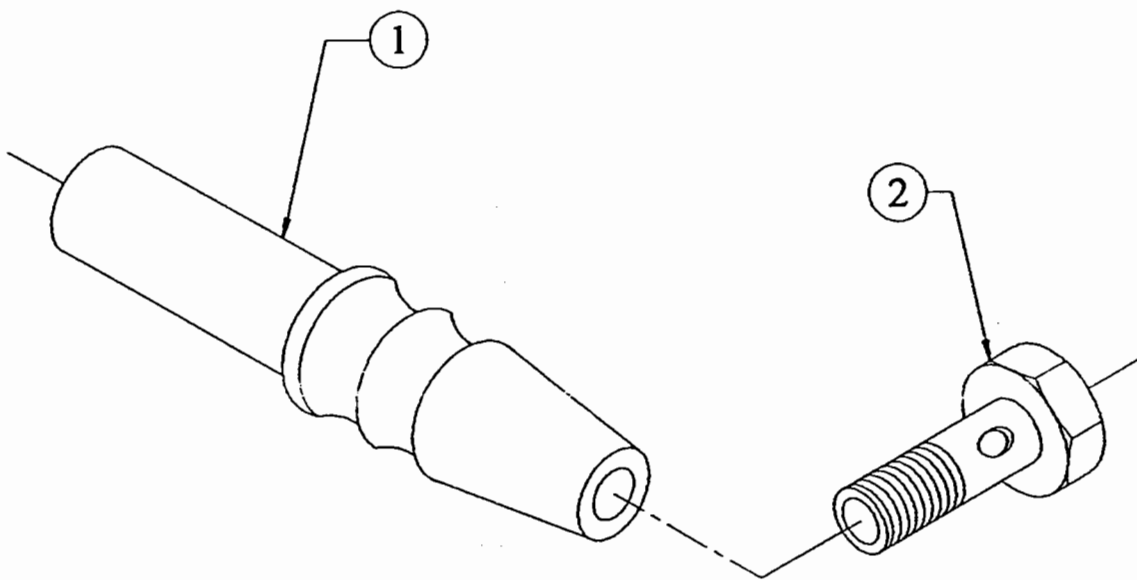
ISSUE 01	FIGURE NO. 57	ENGINE	GROUP 1	PAGE 116
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Rocker Cover (Turbo Engine)		
*1	4H.160.10.0.00	Sub Assy. Of Rocher Cover And Breather Pipe	1	< Consist Of Sr. No. 2 To 8
2	4H.160.01.0.00	Rocker Cover (Turbo Engine)	1	
3	4H.160.02.0.00	Deflector Plate	1	
4	4H.160.03.0.00	Breather Pipe	1	
5	10.046.02.0.00	PK Drive Screw 1/8"x3/8" (Rivet)	4	
6	4H.161.03.0.00	Adaptor For Br5eaqther Pipe	1	
7	4H.161.04.0.00	Joint For Adaptor	1	
8	50.002.08.045	Set Bolt M8x1.25x45 -8.8	2	
9	50.002.08.100	Set Bolt - M8x1.25x100 -8.8	8	
10	50.506.08.000	Plain Machined Washer -M8	8	
11	4H.009.06.0.00	Joint (For Rocker Cover)	1	



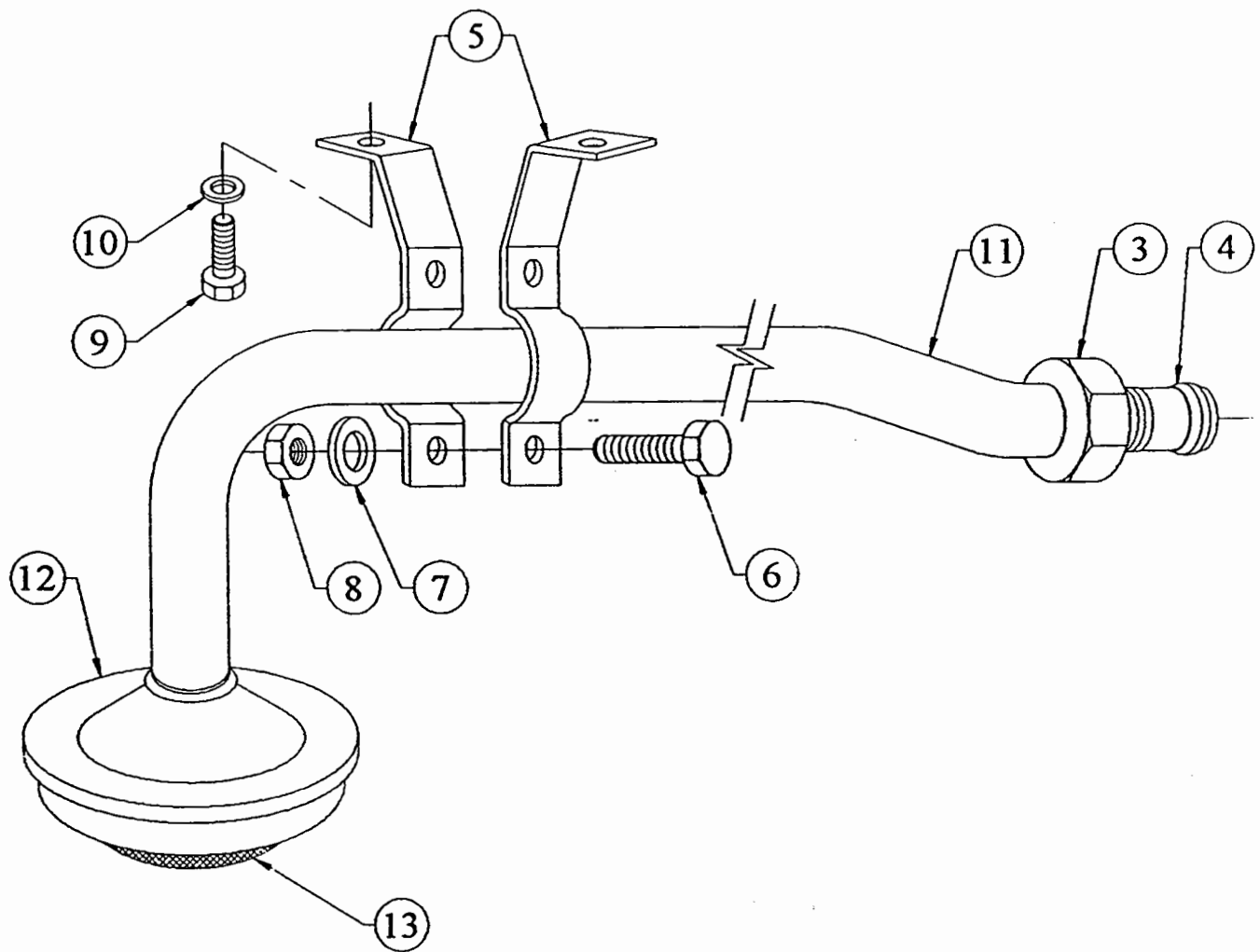
STOP SOLENOID

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 58	ENGINE	GROUP 1	PAGE 118
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Stop Solenoid 24V		
1	F6.561.20.0.00	Assy. Of Stop Solenoid 24 VDC For Mico Pump (Single Coil) With Ball Joint As Per Modified	1	



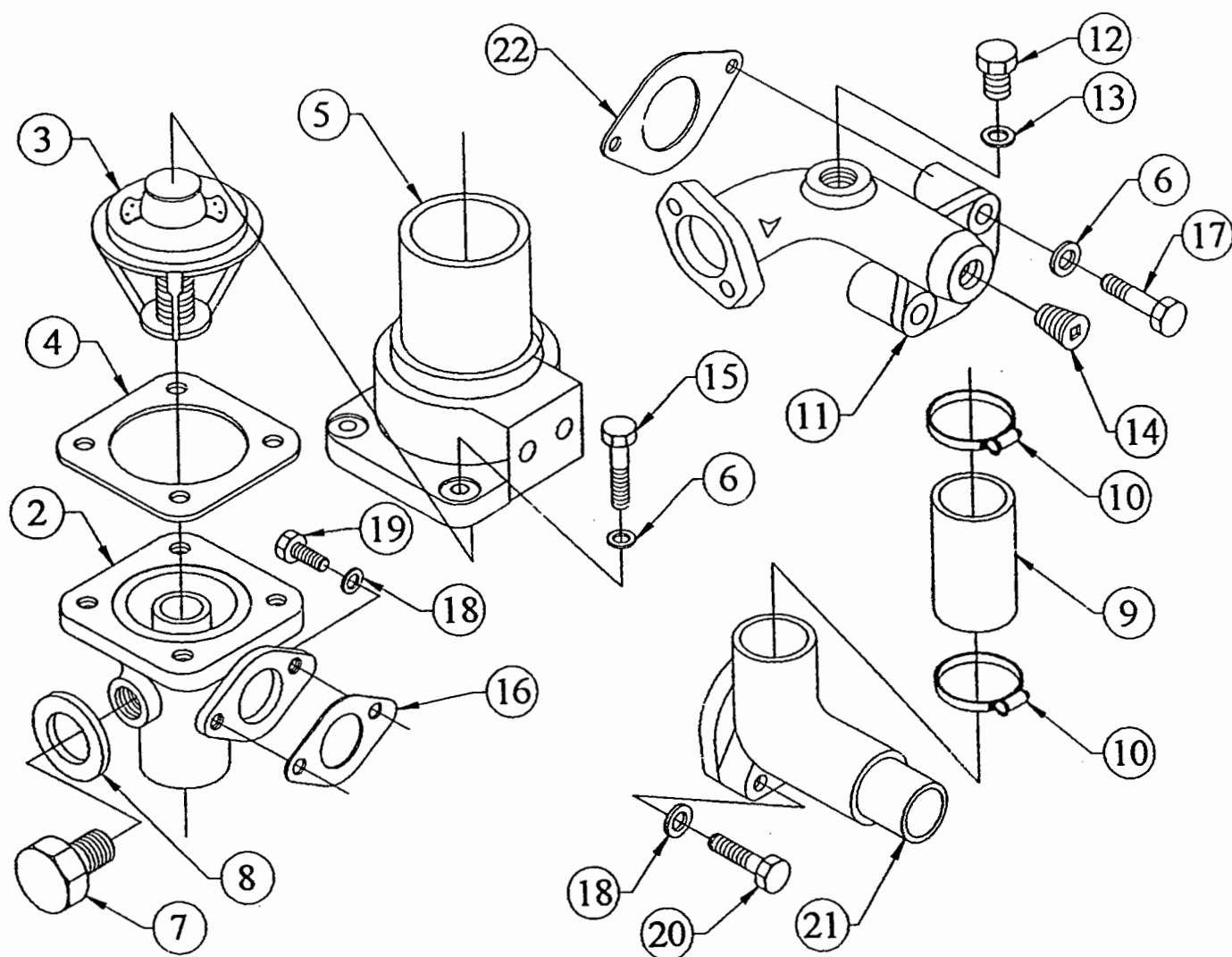
SUB ASSY. OF HOSE TAIL



SUCTION TUBE

ECEL HK-17 CRANE**PARTS CATALOGUE**

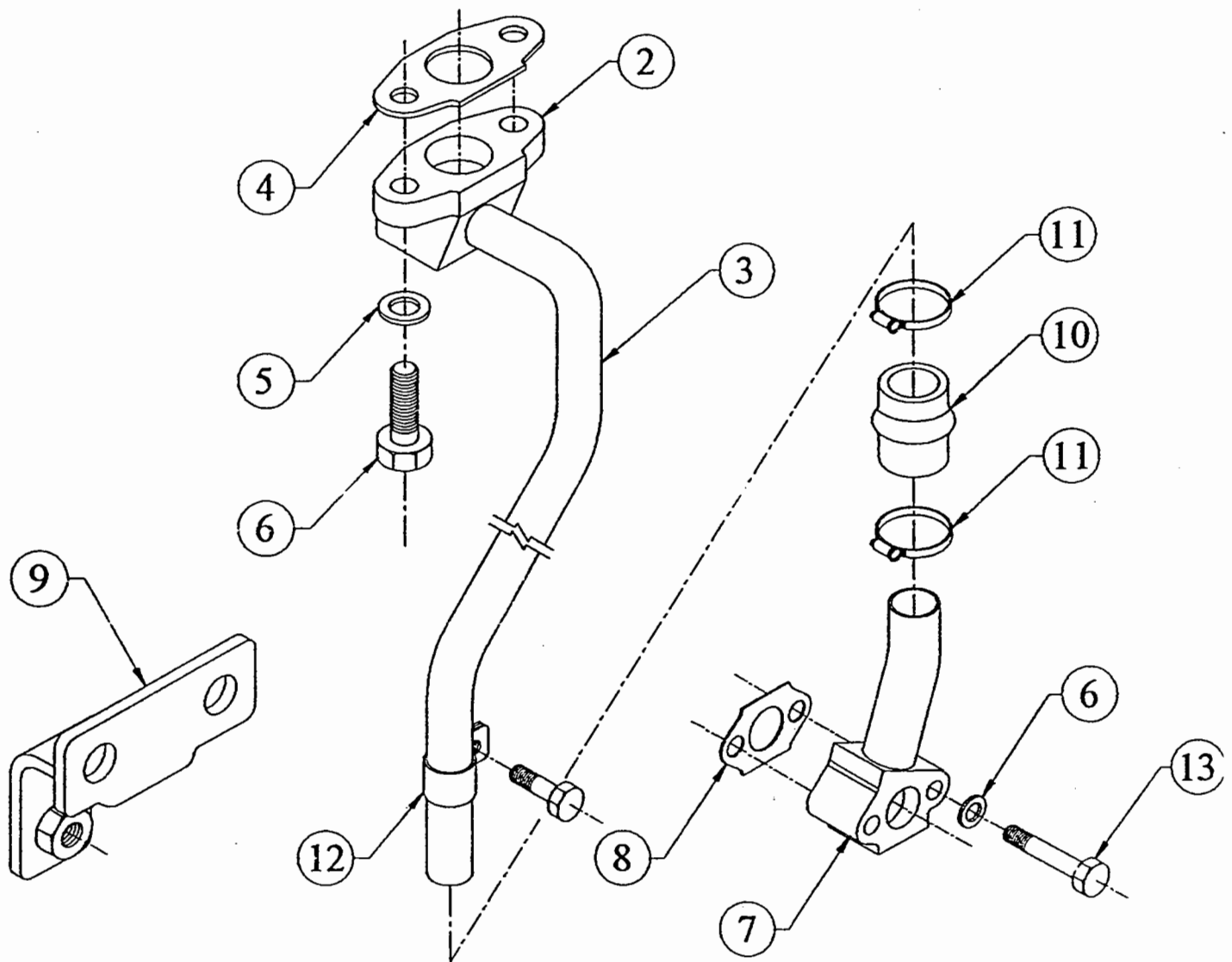
ISSUE 01	FIGURE No. 60	ENGINE	GROUP 1	PAGE 122
S.NO.	PART No.	DESCRIPTION Suction Tube (Turbocharged Engine)	QUANTITY	NOTE
*1	4H.231.20.0.00	Suction Tube Assy. (Turbo Engine)	1	< Consisting Of Sr. No. 2 To 8 < Consisting Of Sr. No. 11 To 13
*2	4H.231.10.0.00	Suction Tube Sub Assy. (Turbo Engine)	1	
3	06.008.02.0.00	Union Nut	1	
4	06.008.03.0.00	Double Cone Ring	1	
5	06.008.04.0.00	Clamping Strap	2	
6	50.003.06.012	Setscrew - M6x1x12-8.8	2	
7	50.506.06.000	Plain Machined Washer -M6	4	
8	50.006.06.000	Nut -M6x1 -Gr.8	2	
9	50.003.08.016	Setscrew -M8 x1.25x16.8.8	2	
10	50.506.08.000	Plain Machined Washer -M8	2	
11	4H.231.01.0.00	Suction Tube (Turbo Charged Engine)	1	
12	06.008.05.0.00	Funnel	1	
13	04.011.03.0.00	Strainer Basket	1	



THERMOSTAT AND HOUSING ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

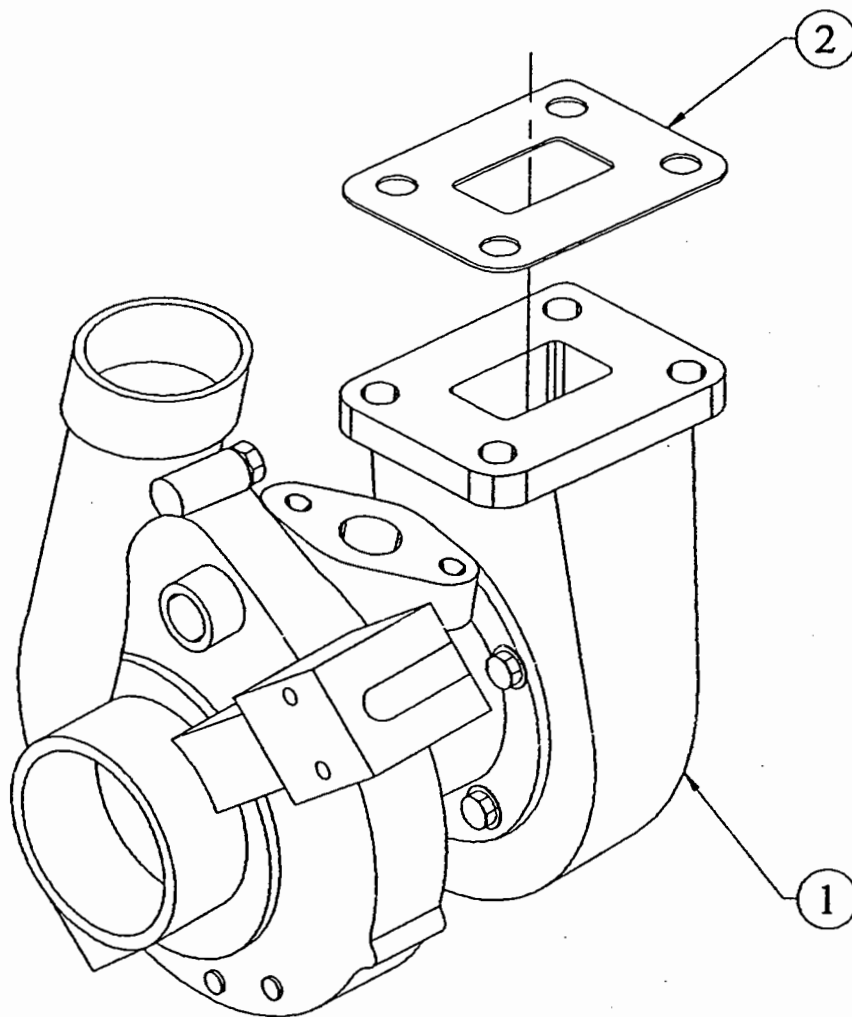
ISSUE 01	FIGURE NO. 61	ENGINE	GROUP 1	PAGE 124
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Thermostat And Housing Assembly		
*1	4H.550.10.0.00	Thermostat And Housing Assembly	1	< Consisting Of Sr. No. 2 To !6
2	4H.040.01.0.00	Thermostat Housing (38 Core)	1	
3	39.040.09.00	Thermostat Element	1	
4	48.214.02.0.00	Joint For Thermostat Cover	1	
5	4H.096.03.0.00	Thermostat Cover	1	
6	50.506.08.000	Plain Machined Washer -M8	6	
7	50.602.14.000	Plug (M14x1.5)	1	
8	50.508.11.000	Copper Washer (14x18)	1	
9	4H.023.03.0.00	Bypass Hose (Length 58MM)	1	
10	50.519.08.000	Worm Drive Hose Clip (41MM)	2	
11	4H.022.01.0.00	Water Outlet Manifold (38Core)	1	
12	4H.022.03.0.00	Sealing Plug (For Water Manifold)	1	
13	50.508.14.000	Copper Washer (16x22)	1	
14	50.056.06.000	Headless Pipe Plug	1	
15	50.003.08.025	Set Screw -M8x1.25.x25 -8.8	4	
16	4H.039.02.0.00	Joint For W.I. Conn & Thermo .HSg.	2	
17	50.002.08.060	Set Bolt -M8x1.25x60 -8.8	2	
18	50.506.08.000	Plain Machined Washer -M8	2	
19	50.003.08.020	Setscrew -M8x1.25x20-8.8	2	
20	50.002.08.040	Set Bolt -M8 x 1.25.x40 -8.8	2	
21	4H.039.01.0.00	Water Inlet Connection (38Core)	1	
22	4H.022.02.0.00	Joint For W.O. Manifold	1	



TURBO DRAIN PIPE

ECEL HK-17 CRANE**PARTS CATALOGUE**

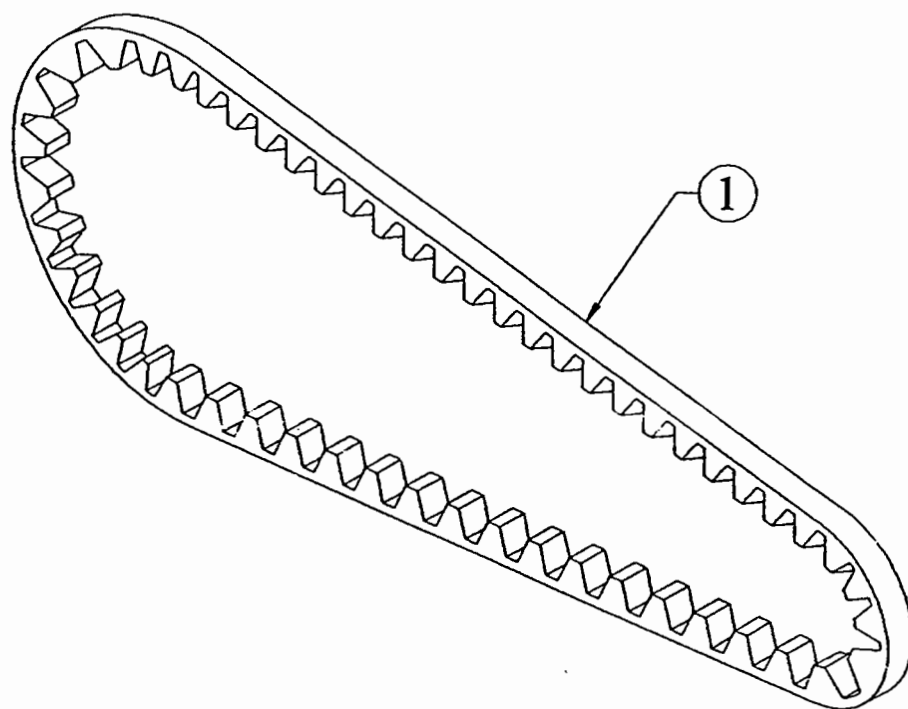
ISSUE 01	FIGURE NO. 62	ENGINE	GROUP 1	PAGE 126
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Turbo Drain Pipe		
*1	4H.525.10.0.00	Lub Oil Drain Pipe Assy.	1	< Consisting Of Sr. No. 2 & 3
	4H.366.03.0.00	(-26 Turbo, 24V Starter)	1	
2	4H.525.01.0.00	Flange For Turbo Drain Pipe	1	
3	4H.132.11.0.00	Lub Oil Drain Pipe (K-26 Turbo)	1	
4	50.003.08.020	Joint For Lub Oil Drain Pipe	2	
5	50.506.08.000	Setscrew M8x1. 25x20 -8.8	5	
6	4H.366.30.0.00	Plain Machined Washer -M8	1	
7	4H.132.14.0.00	Adaptor Assy. (For Turbo Drain	1	
8	4H.366.05.0.00	Joint For Adaptor (Crankcase Side)	1	
9	4H.366.05.0.00	Bracket (For Turbo Drain Pipe)	1	
10	4H.366.07.0.00	Hose (For Turbo Drain Pie)	2	
11	50.519.07.000	Worm Drive Hose Clip (35 MM)	1	
12	4H.366.06.0.00	Clamp (For Turbo Drain Pipe)	3	
13	50.003.08.012	Set Screw -M8x1.25 x12 -*.8)		



TURBO CHARGER

ECEL HK-17 CRANE**PARTS CATALOGUE**

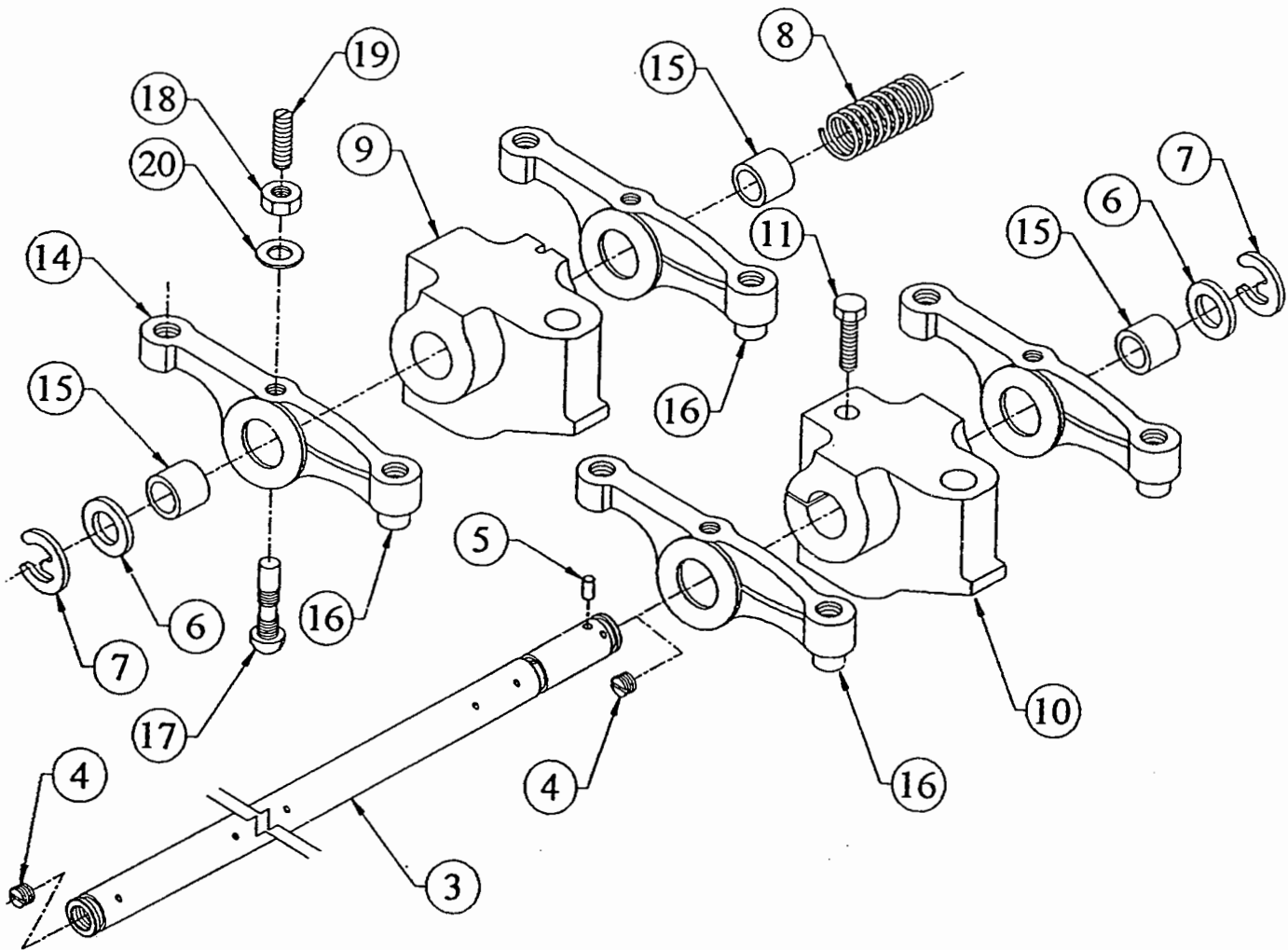
ISSUE 01	FIGURE NO. 63	ENGINE	GROUP 1	PAGE 128
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Turbo Charger (K26 VS)		
1	4H.136.10.0.00	Turbocharger Tel) K26 2264 GGA 8.11 (Tel Part No 53269706408)	1	
2	6H.029.01.0.00	Gasket (For Turbocharger)	1	



V BELT

ECEL HK-17 CRANE**PARTS CATALOGUE**

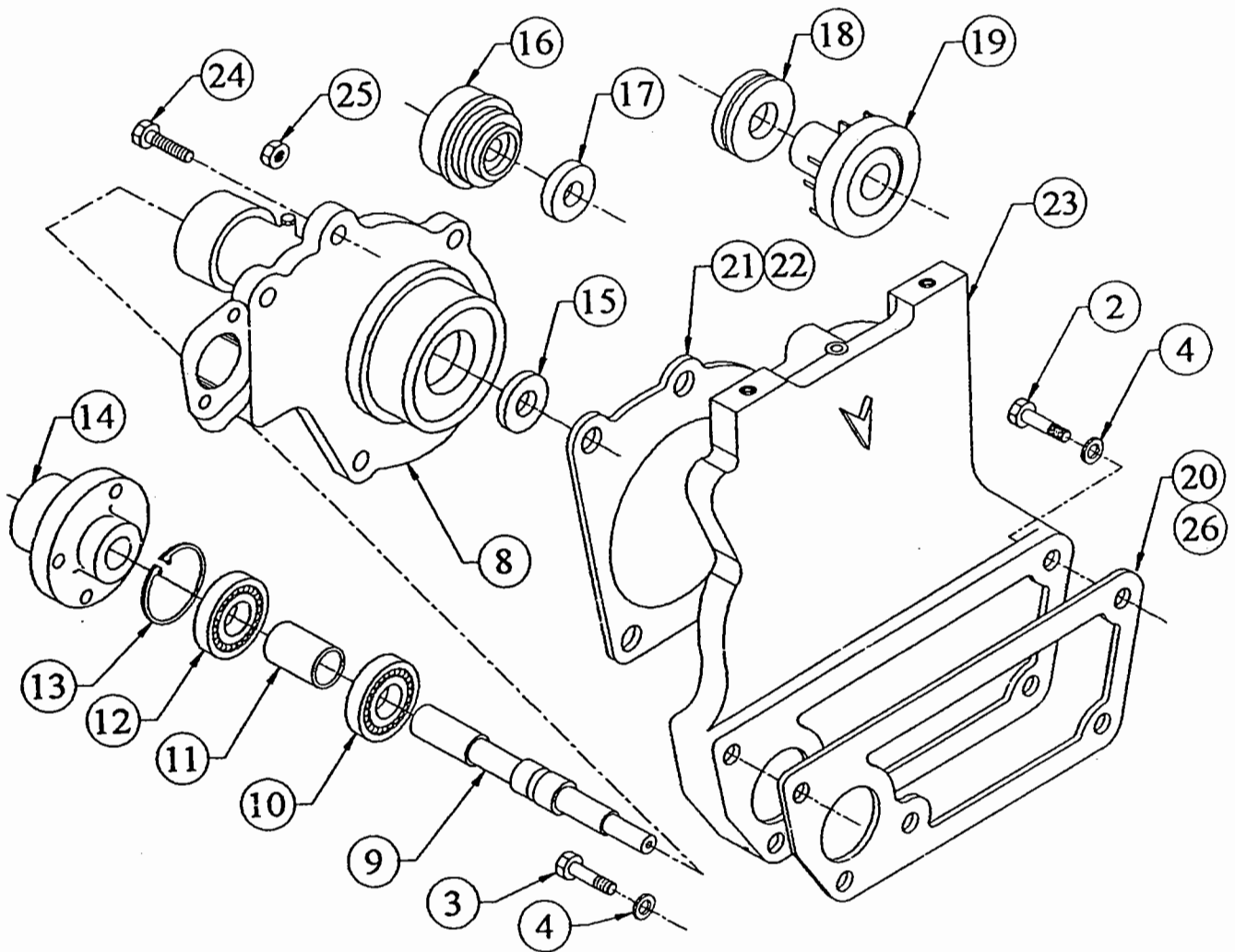
ISSUE 01	FIGURE NO. 64	ENGINE	GROUP 1	PAGE 130
S.NO.	PART NO.	DESCRIPTION V Belt Bx 51	QUANTITY	NOTE
1	49.202.01.0.00	Raw Edged Cogged Belt Bx-51	1	



VALVE ROCKER ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

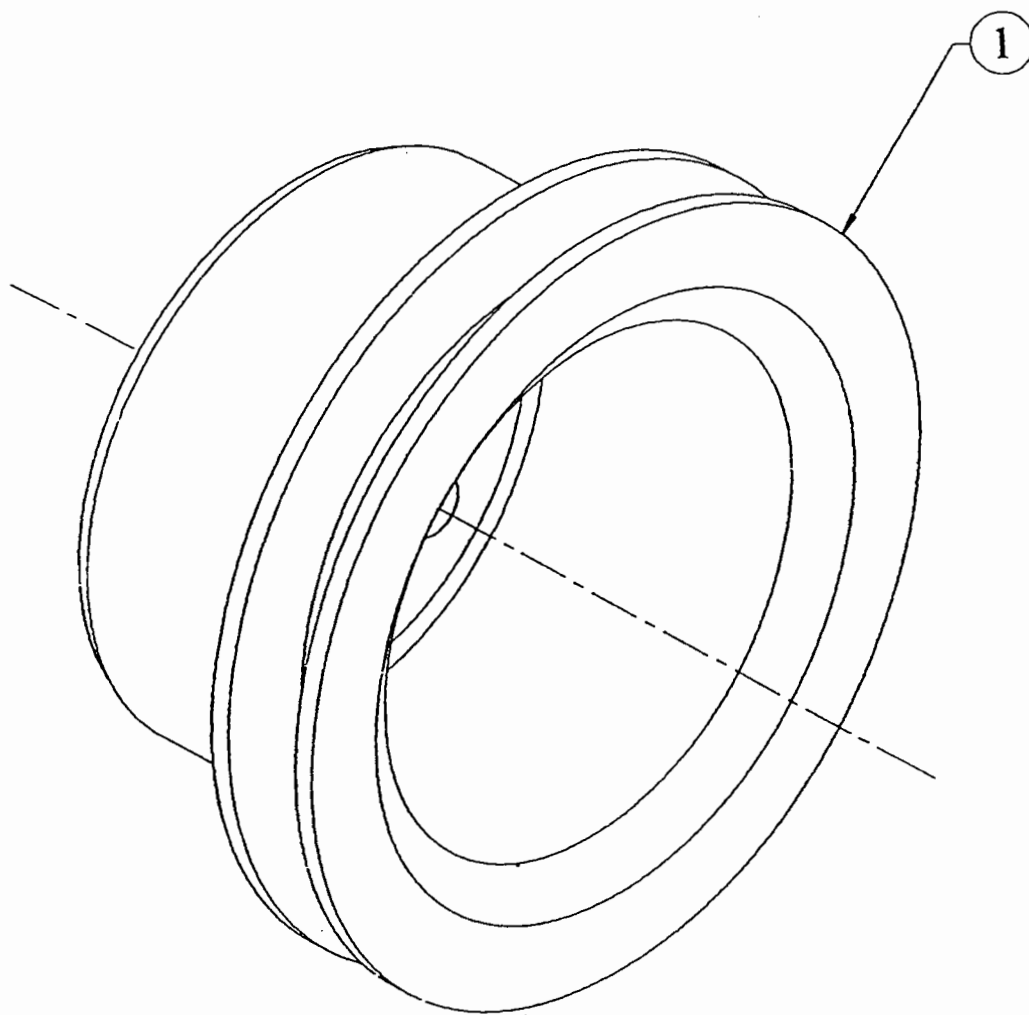
ISSUE 01	FIGURE NO. 65	ENGINE	GROUP 1	PAGE 132
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Valve Rocker Assembly		
*1	4H.008.10.0.00	Valove Rocker Assy. Complete	1	< Consisting Of Sr. No. 2 .6 To 12 &20
*2	4H.008.20.0.00	Rocker Shaft Sub. Ass.y	1	< Consisting Of Sr. No. 3 To 5
3	4H.008.01.0.00	Rocker Shaft (Finish)	1	
4	50.022.12.010	Socket Head Grub Screw -M12x10	2	
5	4H.008.04.0.00	Grooved Socket Pin	1	
6	2H.022.04.0.00	Washer (For Rocker ARM)	2	
7	50.513.15.000	E Type Circlip - External (15 Dia)	2	
8	2H.022.03.0.00	Spring For Rocker Shaft	3	
9	2H.022.01.0.00	Rocker Support (Finish) (FWE)	1	
10	2H.022.02.0.00	Rocker Support (Fininsh)	3	
11	50.003.08.030	Setscrew -M8x1.25x30.-8.8	3	
*12	02.024.20.0.00	Valve Rocker Assy.	8	< Consisting Of Sr. No. 13,16 To 19
*13	02.024.23.0.00	Rocker Arm Sub Assy. (With VR Bush)	1	< Consisting Of Sr. No. 14 &15
14	02.024.11.0.00	Rocker Arm	1	
15	02.024.12.9.00	V.R. Bush (Semi Finish)	1	
16	02.024.15.0.00	V.R. Toe	1	
17	02.024.13.0.00	Rocker -ARM Adj. Screw	1	
18	02.024.27.0.00	Nut For Rocker Adj. Screw	1	
19	02.024.14.0.00	Oil Metering Screw	1	
20	F6.007.13.0.00	Washer	6	



WATER PUMP

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 66	ENGINE	GROUP 1	PAGE 134
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Water Pump (345 CRS)		
*1	50.002.10.050	Set Bolt -M10x1.5x50 -8.8	1	< Not Illustrated
2	50.002.10.060	Set Bolt M10X1.5x60 -8.8	3	
3	50.002.10.075	Set Bolt M10x1.5x75 -8.8	1	
4	50.506.10.000	Plain Machined Washer M10	5	
*5	4H.021.20.0.00	Water Pump Assy. (Complete) 345 CRS.)	1	< Consisting Of Sr. No. 6 & 23 T0 25
			1	
*6	4H.021.30.0.00	W.P.Assy.Without Del. Volute .(345 CRS)	1	< Consisting Of Sr. No. 7 & 22
			1	
*7	4H.021.10.0.00	Water Pump Assy. (With Hub)-345 CRS.	1	< Consisting Of Sr. No. 8 To 21
			1	
8	4H.021.01.0.00	Bearing Housing For Water Pump (345CRS)	1	
9	4H.021.05.0.00	Shaft For Pump	1	
10	47.160.09.0.00	Bearing 6004	1	
11	48.173.05.0.00	Inner Spacer -26.5x20x38.5L	1	
12	47.160.06.0.00	Bearing 6304Z	1	
13	50.502.52.0.00	Circlip Internal -52 MM	1	
14	4H.021.07.0.00	Hub For Pump Pulley	1	
15	47.160.12.0.00	Oil Seal	1	
16	38.207.08.0.00	Mechanical Seal	1	
17	38.0207.05.0.00	Ceramic Ring	1	
18	38.207.04.0.00	Cushion Rubber Cap	1	
19	4H.021.04.0.00	Impeller(95 Dia)	1	
20	4H.021.03.0.00	Joint For Delivery Volute	1	
21	48.173.08.0.00	Joint For Bearing Housing	1	
22	48.173.08.0.00	Joint For Bearing Housing	1	
23	4H.021.02.0.00	Delivery Volute (345 CRS, Casting)	1	
24	50.003.08.025	Setscrew- M8 x1.25x25 -8.8	4	
25	50.006.08.000	Nut -M8 x1.25- Gr.88	4	
26	4H.021.03.0.00	Joint For Delivery Volute	1	



WATER PUMP PULLEY

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 67	ENGINE	GROUP 1	PAGE 136
S.NO.	PART NO.	DESCRIPTION Water Pump Pulley	QUANTITY	NOTE
1	4H.514.01.0.00	Water Pump Pulley (SPB, 1, 120 PCD)	1	

SET OF JOINTS

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 68	ENGINE	GROUP 1	PAGE 138
S.NO.	PART NO.	Set Of Joints,Washers"O"Rings &Hoses (4H.2683	QUANTITY	NOTE
*1	4H.1490.18.0.00	Set Of Joints	1	< Consisting Of Sr. No. 2 To 29
*2	2H.005.02.0.00	Joint (For Gear Cover)	1	
*3	2H.006.02.0.00	Joint For Oil Seal Housing (FEW)	1	
*4	2013.02.0.00	Joint For Delivery Body	1	
*5	2H.017.02.0.00	Joint For Cover For Fuel Pump Gear	2	
*6	34.016.01.0.00	Joint For Fuel Pump	1	
*7	34.040.02.0.00	Joint For Flange /Fuel Spout	1	
*8	3H.007.02.0.00	Joint For Header	1	
*9	3H.007.12.0.0	Joint For Lub Oil Cooler	1	
*10	3H.039.02.0.00	Joint For Front Cover (PTL)	1	
*11	3H.039.05.0.00	Joint For Cover Plate(For Front Cover Comp Mounting	1 1	
*12	3H.042.02.0.00	Joint Oil Filling Body (PTL)	1	
*13	3H.120.03.0.00	Joint For Adaptor Plate (For compressor	1	
*14	48.173.08.0.00	Joint For Bearing Housing	2	
*15	48.214.02.0.00	Joint For Thermostat Cover	1	
*16	4H.001.04.0.00	Joint For Blanking Plate	1	
*17	4H.007.24.0.00	Gasket For Cyl. Head (Thickness 1.25)	1	
*18	4H.009.06.0.00	Joint (For Rocker Cover)	1	
*19	4H.021.03.0.00	Joint For Delivery Volute	2	
*20	4H.022.02.0.00	Joint For W.O.Manifold	1	
*21	4H.030.02.0.00	Joint	2	
*22	4H.035.06.0.00	Gasket (For Exhaust Manifold	5	
*23	4H.039.02.0.00	Joint For W.I. Conn & Thermo Hsg.	2	
*24	4H.132.03.0.00	Joint For Adaptor(Turbocharger Side)	1	
*25	4H.132.11.0.00	Joint For Lub Oil Drain Pipe	1	
*26	4H.132.14.0.00	Joint For Adaptor (Crankcase side)	1	
*27	4H.161.04.0.00	Joint For Adaptor	1	
*28	4H.522.03.0.00	Joint For Exh.Diffuser	1	
*29	6H.029.01.0.00	Gasket (For Turbocharger)	1	
*30	4H.1490.19.0.00	Set Of Washers	1	< Consisting Of Sr. No. 31 To 47
*31	4H.010.93.0.00	Mico Copper Washer For Leak Off Pipe	8	
*32	50.508.07.000	Copper washer (10x14)	8	
*33	50.508.08.000	Copper washer (10x16)	3	
*34	50.508.10.000	Copper washer (12x18)	50	
*35	50.508.11.000	Copper Washer (14x18)	2	
*36	50.508.12.000	Copper Washer (14x20)	16	
*37	50.508.14.000	Copper Washer (16x22)	1	
*38	50.508.15.000	Copper Washer (17x23)	1	
*39	50.508.16.000	Copper Washer (18x22)	1	
*40	50.508.17.000	Copper Washer (18x24)	1	
*41	50.508.15.000	Copper Washer (18x24)	2	
*42	50.508.16.000	Copper Washer (18x24)	2	
*43	50.508.17.000	Copper Washer (18x24)	4	
*44	50.508.27.000	Copper Washer (18x24)	1	

SET OF JOINTS

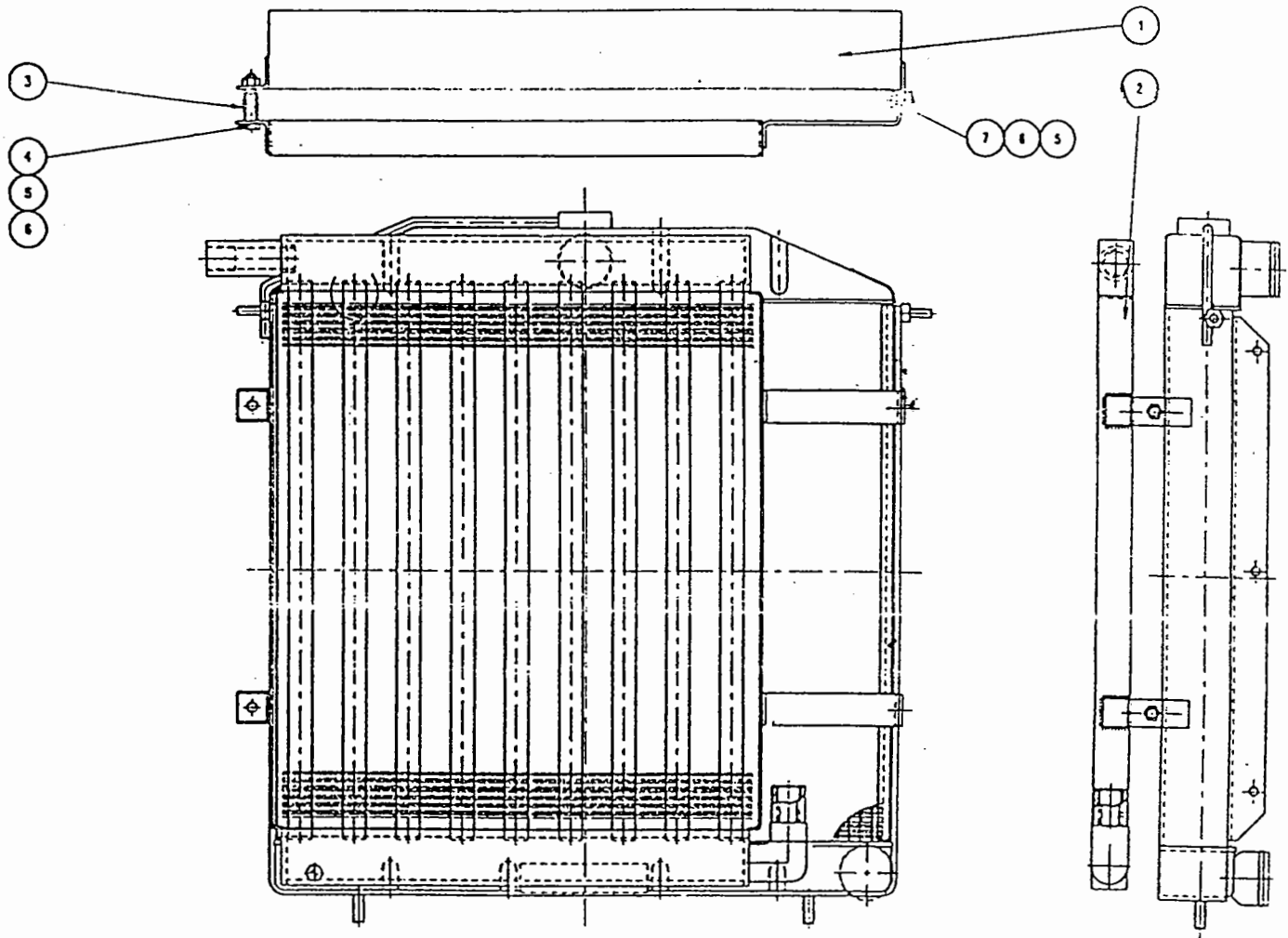
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 68	ENGINE	GROUP 1	PAGE 140
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
*45	50.508.29.000	Copper Washer (24x29)	3	< Consisting Of SR. No. 49 To 56
*46	50.508.31.000	Copper Washer (27x34)	1	
*47	50.508.34.000	Copper washer (30x36)	2	
*48	4H.1490.20.0.00	Set Of "O" Rings	1	
*49	03.010.11.0.00	"O" Ring -L.O.Pump	1	< Consisting Of SR. No. 58 To 63
*50	03.036.01.0.00	"O" Ring - Dipstick (2x5, 21515 Or 21511)	1	
*51	03.609.15.0.00	"O" Ring For Compressor	1	
*52	03.609.17.0.00	"O" Ring For Cover Plate	1	
*53	2H.008.07.0.00	"O" Ring (For Cylinder)	8	
*54	2H.008.11.0.00	"O" Ring For Cylinder Liner (Viton Material)	4	
*55	2H.014.02.0.00.	"O" Ring (For Delivery Tube)	2	
*56	3H.009.11.0.00	"O" Ring For Nozzle	4	
*57	4H.619.31.0.00	Set Of Hoses	1	
*58	4H.006.01.0.00	L.O. Supply Hose (Fip)	2	
*59	4H.023.03.0.00	Bypass Hose (Length 58MM)	1	
*60	4H.168.03.0.00	Rubber Hose (Compressor Outlet)	1	
*61	4H.366.07.0.00	Hose (For Turbo Drain Pipe)	1	
*62	4H.442.03.0.00	Rubber Hose	1	
*63	4H.442.04.0.00	Rubber Hose (For Air Cleaner Pipe To Compressor)	1	

SET OF BEARINGS

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 69	ENGINE	GROUP 1	PAGE 142
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Set Of Bearings (HA 04 & 4H)		
		Set Of Main Bearings		
*1	OM.074.40.0.00	Main Bearing HA STD.	1	< (5Pairs) STD.
*2	OM.074.40.0.01	Main Bearing HA	1	< 0.25mm U/S
*3	OM.074.40.0.02	Main Bearing HA	1	< 0.50mmU/S
*4	OM.074.40.0.03	Main Bearing HA	1	< 0.75mm U/S
*5	OM.074.40.0.04	Main Bearing HA	1	< 1.00mm U/S
*6	OM.074.40.0.05	Main Bearing HA	1	< 1.25mm U/S
*7	OM.074.40.0.06	Main Bearing HA	1	< 1.50mm U/S
		Set Of Conrod Bearings		
*8	OB.074.40.0.00	Conrod Bearing HA Std	1	< (4Pairs) STD.
*9	OB.074.40.0.01	Conrod Bearing HA	1	< 0.25mm U/S
*10	OB.074.40.0.02	Conrod Bearing HA	1	< 0.50mmU/S
*11	OB.074.40.0.03	Conrod Bearing HA	1	< 0.75mm U/S
*12	OB.074.40.0.04	Conrod Bearing HA	1	< 1.00mmU/S
*13	OB.074.40.0.05	Conrod Bearing HA	1	< 1.25mmU/S
*14	OB.074.40.0.06	Conrod Bearing HA	1	< 1.50mmU/S
		Set Of Thrust Washers		
*15	OW.073.70.0.00	Thrust Washers Set Khd (2Top +2Bottom) -4 Nos)	1	< One Set

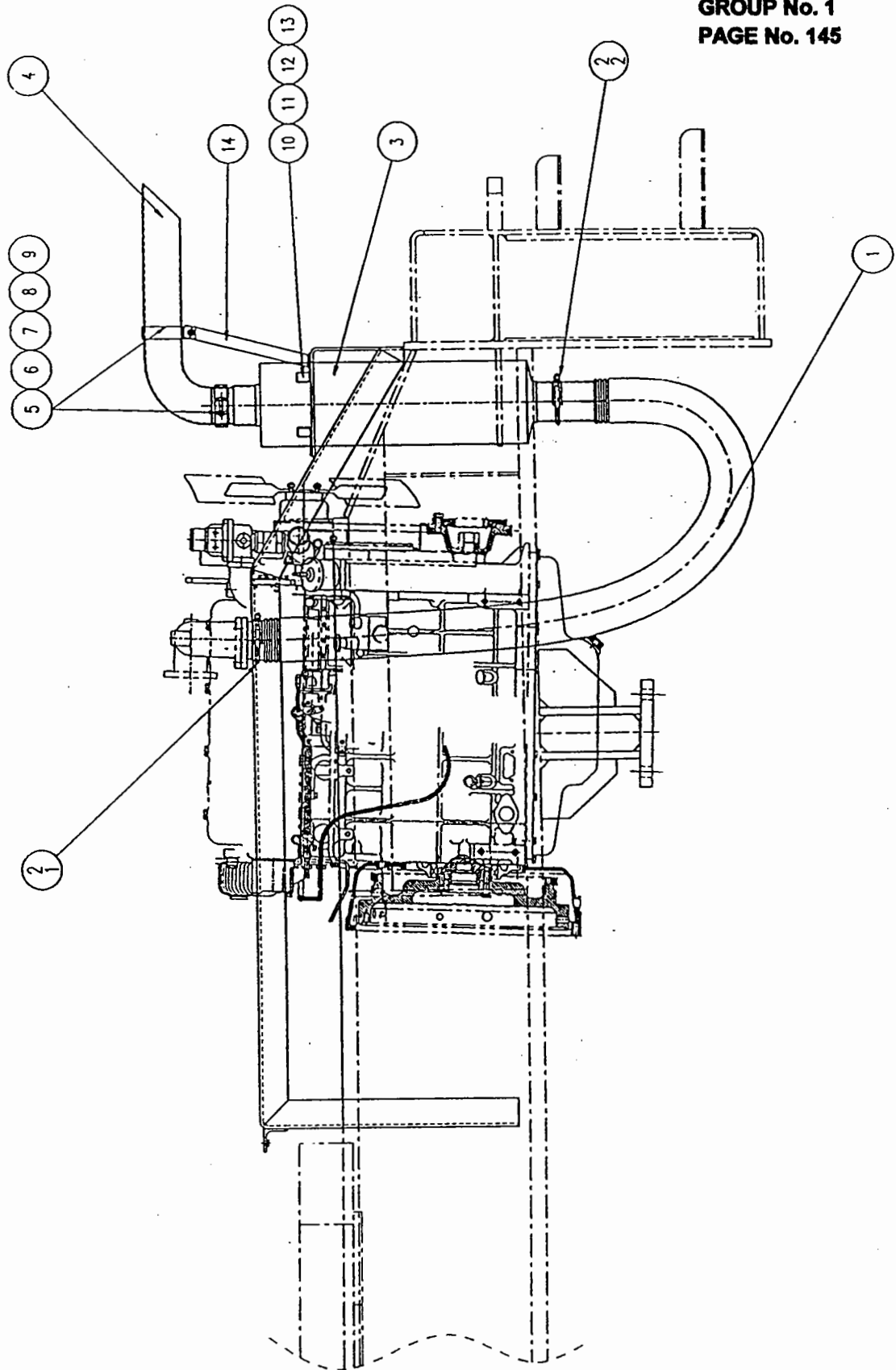


RADIATOR + OIL COOLER ASSY.

ECEL HK-17 CRANE

PARTS CATALOGUE

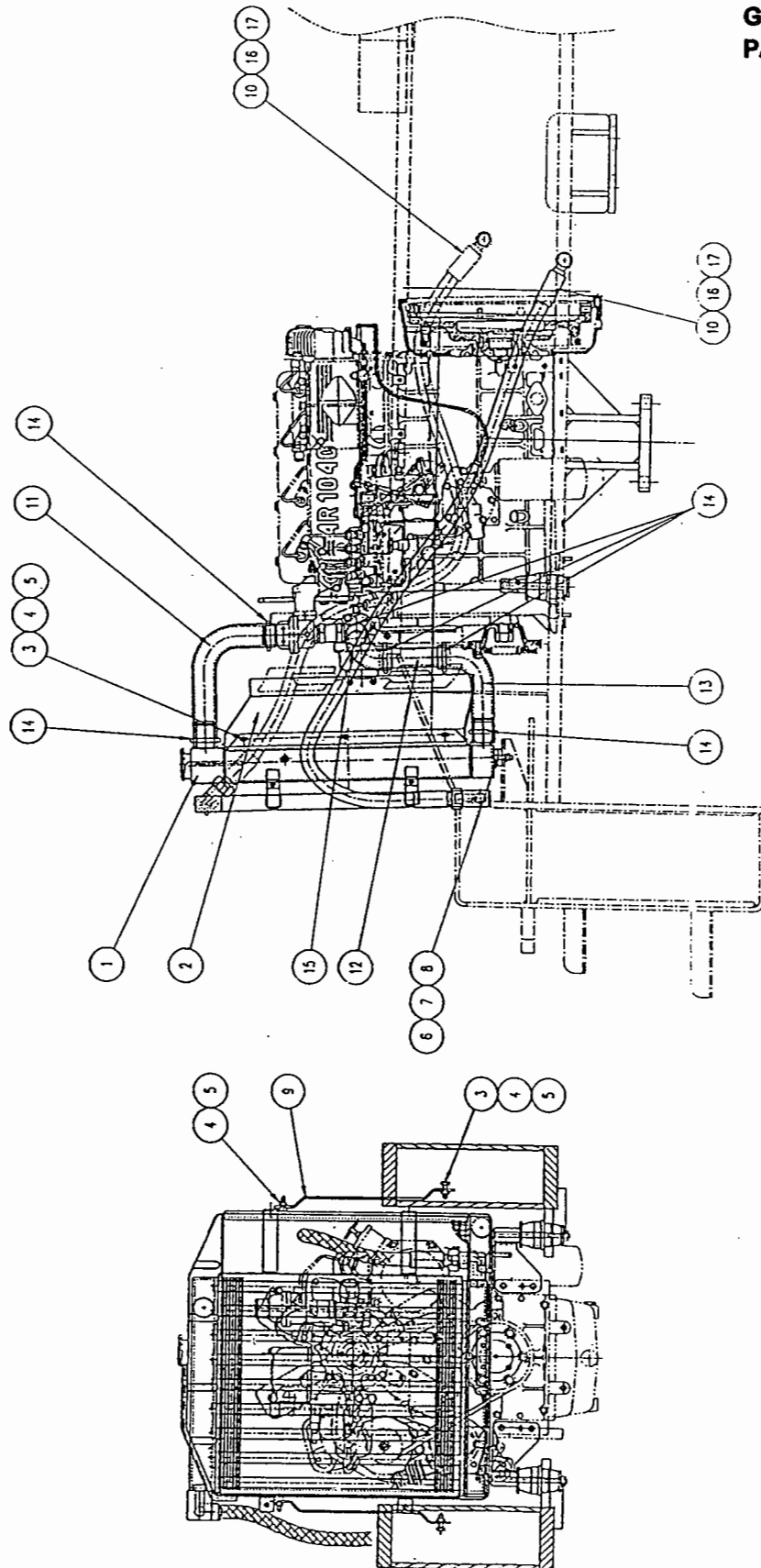
ISSUE 01	FIGURE NO. 70	ENGINE	GROUP 1	PAGE 144
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Radiator + Oil Cooler - 28-A-1-032		
1	28F1055	Radiator Assy.	1	
2	28F1056	OilCooler Assy.	1	
3	28C1254	Spacer	2	
4	S1.10x55 (8.8G)	Hex Screw	2	
5	N1.10 (8.8G)	Hex Nut	4	
6	W2.10	Washer Spring	4	
7	S1.10x20 (8.8G)	Hex Screw	2	



EXHAUST SYSTEM

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 71	ENGINE	GROUP 1	PAGE 146
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Exhaust System - 28-A-1-041		
1	V12.12.002.0	Flexible Steel Hose	1	
2	V12.12.802.0	Clamp Assy.	2	
3	36330-201	Exhaust Support	2	
4	28C1287	Exhaust Pipe	1	
5	28C1124	Clamp	2	
6	B1.08X50 (8.8G)	Hex Bolt	2	
7	W1.08	Plain Washer	2	
8	W2.08	Spring Washer	2	
9	N1.08	Hex Nut	2	
10	B1.10X30(8.8G)	Hex Bolt	4	
11	W1.10	Plain Washer	4	
12	W2.10	Spring Washer	4	
13	N1.10	Hex Nut	4	
		Silencer Compl. (04.421.01.0)	1	< Supply With KOEI Engine.



RADIATOR INSTALLATION

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 72	ENGINE	GROUP 1	PAGE 148
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Radiator Installation 28-A-1-043		
1	28A1045	Radiator + Oil Cooler Assy.	1	
2	28C1255B	Cowling	1	
3	S1.10x20 8.8G	Hex Screw	6	
4	W1.10	Plain Washer	10	
5	N1.10 (8.8G)	Hex Nut	10	
6	8.37.17.0	Rubber Pad	2	
7	N1.12 (8.8G)	Hex Nut	2	
8	W2.12	Spring Washer	2	
9	41C1043	Radiator Stay	2	
10	V16.59.001.0	Hose	2	
11	22C2090	Hose Radiator Top	2	
12	22C2093	Pipe Radiator Bottom	2	
13	22C2091	Hose Radiator Bottom	2	
14	7.08.08.1	Jublie Clamp 3"	8	
15	22C2092	Hose Radiator Bottom	1	
16	94005-457	Adaptor	1	
17	85.09.115.0	"O" Ring	1	



ECEL HK-17 CRANE**PARTS CATALOGUE**

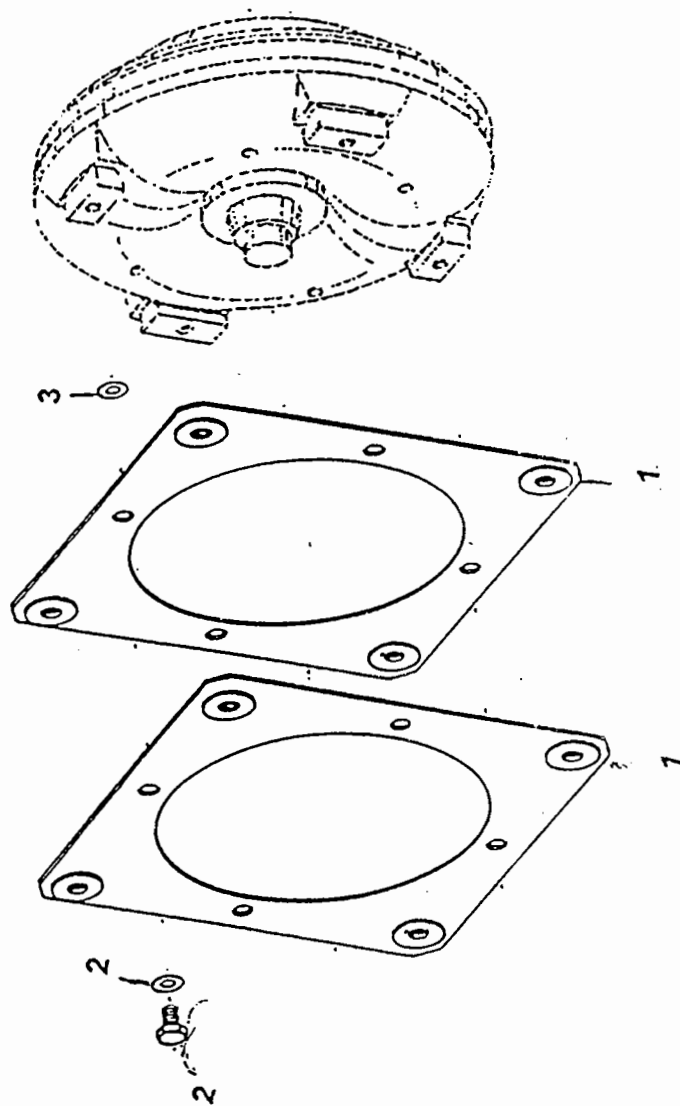
ISSUE 01	FIGURE NO. 73	ENGINE	GROUP 1	PAGE 150
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Power Unit Assy. Compl. - 28-A-1-060		
1	PP11283	Engine	1	
2	PP11560	Transmission	1	
3	8MSA10C2060	Allen Screw	12	
4	28F1066B	Intermediate Enigne MTG. Bracket	2	
5	B1.12X180	Hex Bolt	6	
6	W1.12	Plain Washer	6	
7	W2.12	Spring Washer	14	
8	N1.12	Hex Nut	6	
9	S1.14X2X45	Hex Screw	4	
10	W2.14	Spring Washer	4	
11	8MSA10C2050	Allen Screw	4	
12	V12.11.008.1	Engine Pad	6	
13	B1.10X45 - 8.8G	Hex Bolt	4	
14	W2.10	Spring Washer	32	
15	N1.10	Hex NUt	14	
16	33521-238	Washer	6	
17	28F1084	Intermediate Bkt.	2	
18	S1.12X1.5X30	Hex Screw	8	
19	B1.10X55-8.8G	Hex Bolt	8	
20	V12.11.014.1	Hydraulic Pump Steering	1	
21	28M1083	Adopter	1	
22	85.09.85.1	Grub Screw	1	
23	28M1084	Spacer	1	
24	85.33.901.2	Propeller Shaft (Stg. Pump)	1	
25	8MSA08C2060	Allen Screw	4	
26	S1.10X35-8.8G	Hex Screw	2	
27	S1.08X30-8.8G	Hex Screw	8	
28	W2.08	Spring Washer	12	
29	N1.08	Hex Nut	4	

TRANSMISSION

INDEX

GROUP No. 2

DESCRIPTION	FIGURE No.	PAGE No.
ENGINE CONNECT	1	1 TO 2
CONVERTER	2	3 TO 4
INPUT	3	5 TO 6
GEAR BOX HOUSING	4	7 TO 8
COUPLING K-1	5	9 TO 10
COUPLING K-2	6	11 TO 12
COUPLING K-3	7	13 TO 14
COUPLING K-4	8	15 TO 16
REVERSING GEAR KV	9	17 TO 18
REVERSING GEAR KR	10	19 TO 20
COUPLING O.VAB	11	21 TO 22
COUPLING VA	12	23 TO 26
OUTPUT	13	27 TO 28
CONTROL UNIT	14	29 TO 30
GEARSHIFT SYST.	15	31 TO 34
PRESS OIL PUMP	16	35 TO 36
FILTER	17	37 TO 38
PERIPHERALS	18	39 TO 40

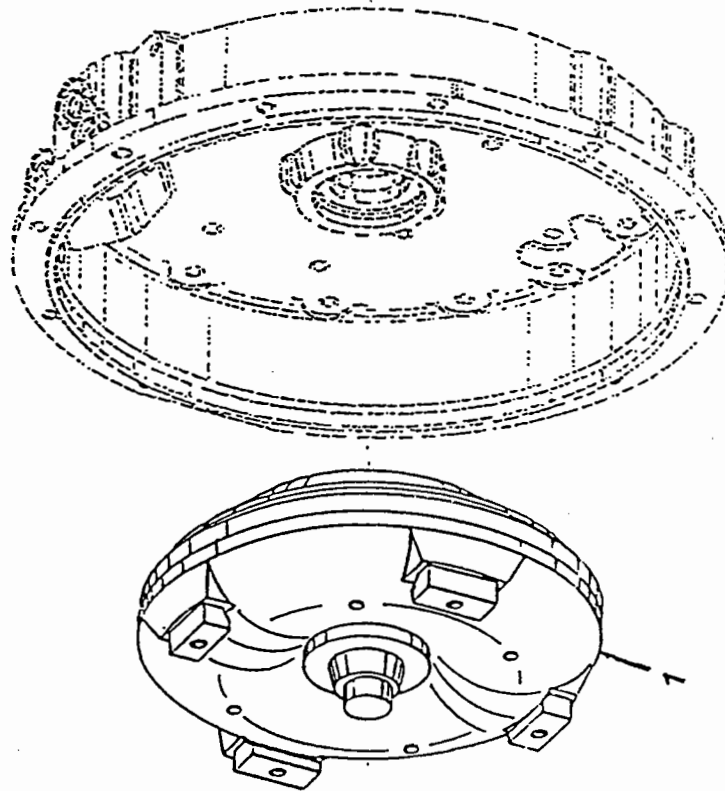


ENGINE CONNECT

ECEL HK-17 CRANE

PARTS CATALOGUE

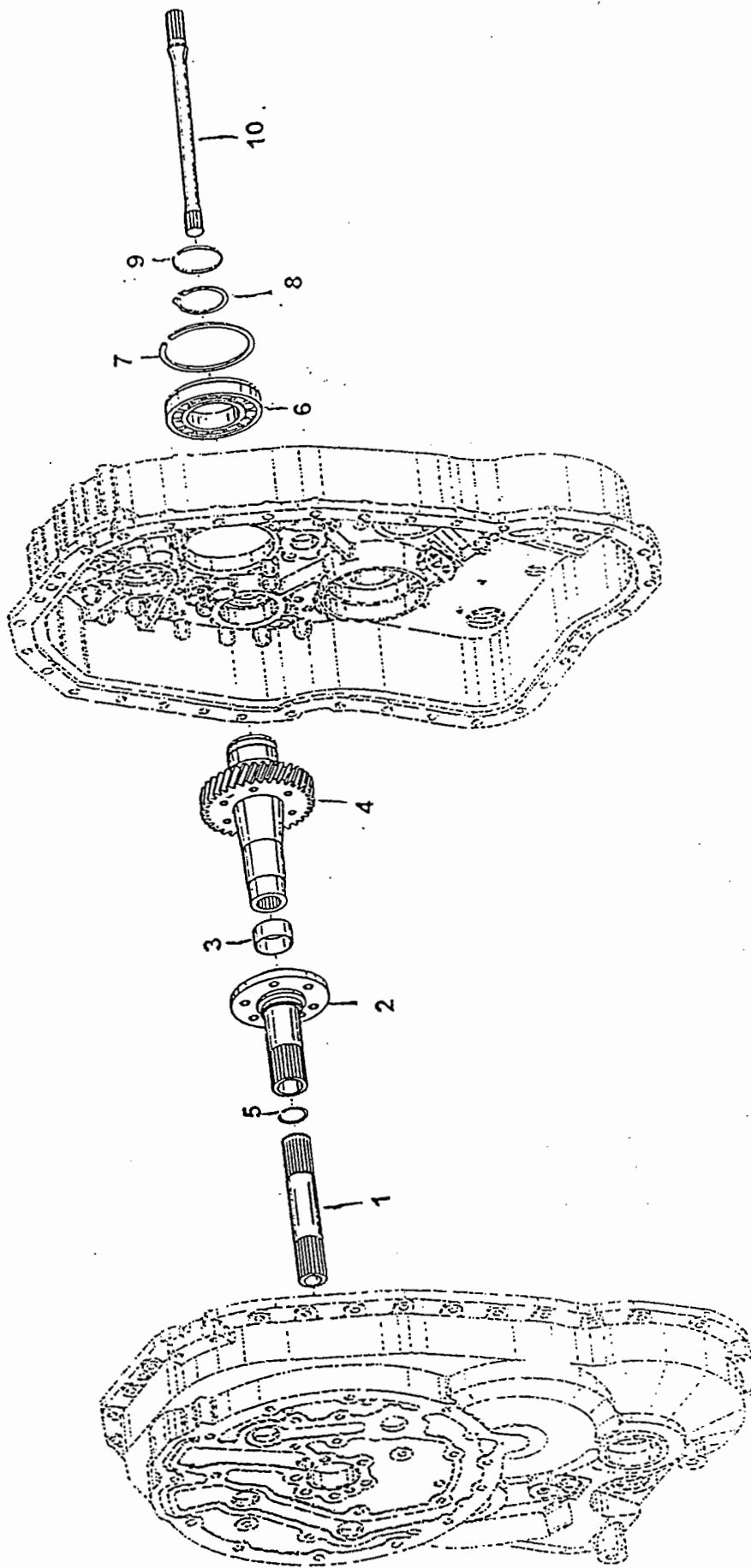
ISSUE 01	FIGURE NO. 1	TRANSMISSION	GROUP 2	PAGE 2
S.NO.	PART NO.	DESCRIPTION Engine Connect.	QUANTITY	NOTE
1	4644 230 040	Diaphragm	2	
2	0730 100 462	Thrust Washer	8	
3	0636 031 166	Hexagon Screw	4	
		Hexagon Screw (10x16)	4	



CONVERTER

ECEL HK-17 CRANE**PARTS CATALOGUE**

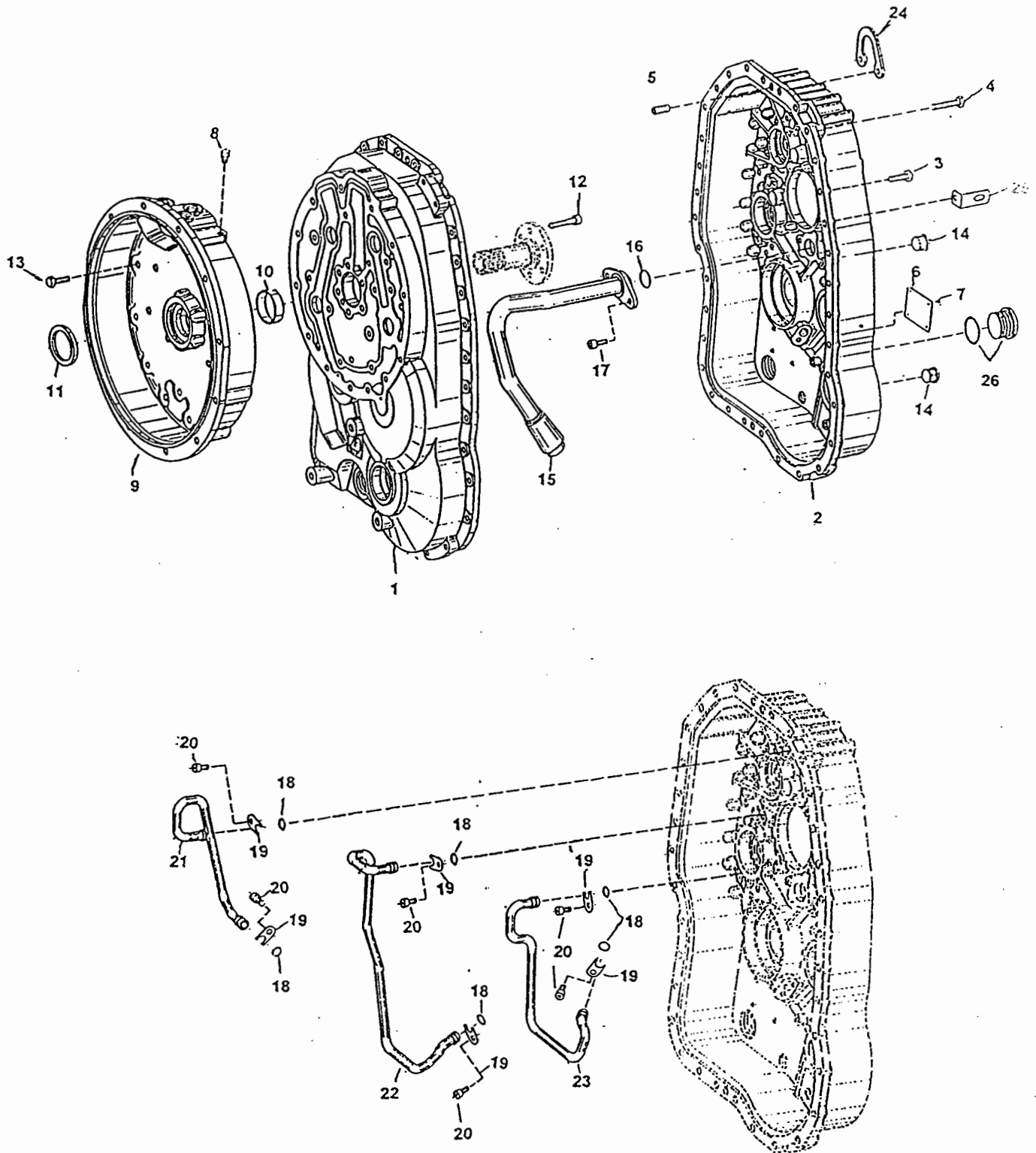
ISSUE 01	FIGURE NO. 2	TRANSMISSION	GROUP 2	PAGE 4
S.NO.	PART NO.	DESCRIPTION Converter	QUANTITY	NOTE
1	4168 028 219	Converter	1	



INPUT

ECEL HK-17 CRANE**PARTS CATALOGUE**

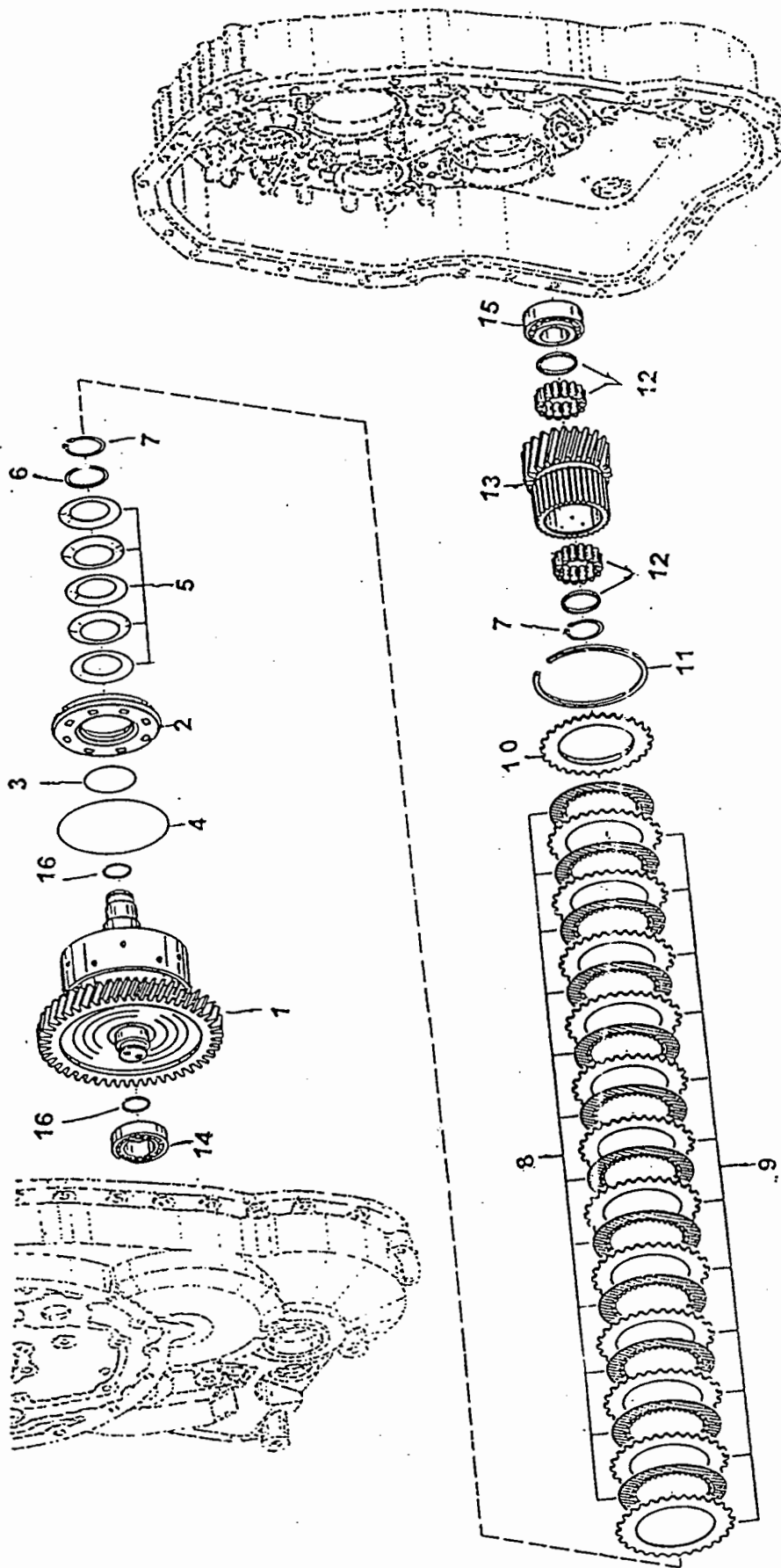
ISSUE 01	FIGURE NO. 3	TRANSMISSION	GROUP 2	PAGE 6
S.NO.	PART NO.	DESCRIPTION Input	QUANTITY	NOTE
1	4660 302 003	Turbine Shaft	1	
2	4660 302 010	Stator Shaft	1	
3	0501 316 495	bearing Bush	1	
4	4660 302 011	Input Shaft	1	
5	0630 513 040	Snap Ring	1	
6	0750 116 108	Ball Bearing	1	
7	0630 503 014	Snap Ring	1	
8	0630 501 038	Retaining ring	1	
9	0634 402 555	Piston Ring	1	
10	4660 302 004	Central Shaft	1	



GEAR BOX HOUSING

ECEL HK-17 CRANE**PARTS CATALOGUE**

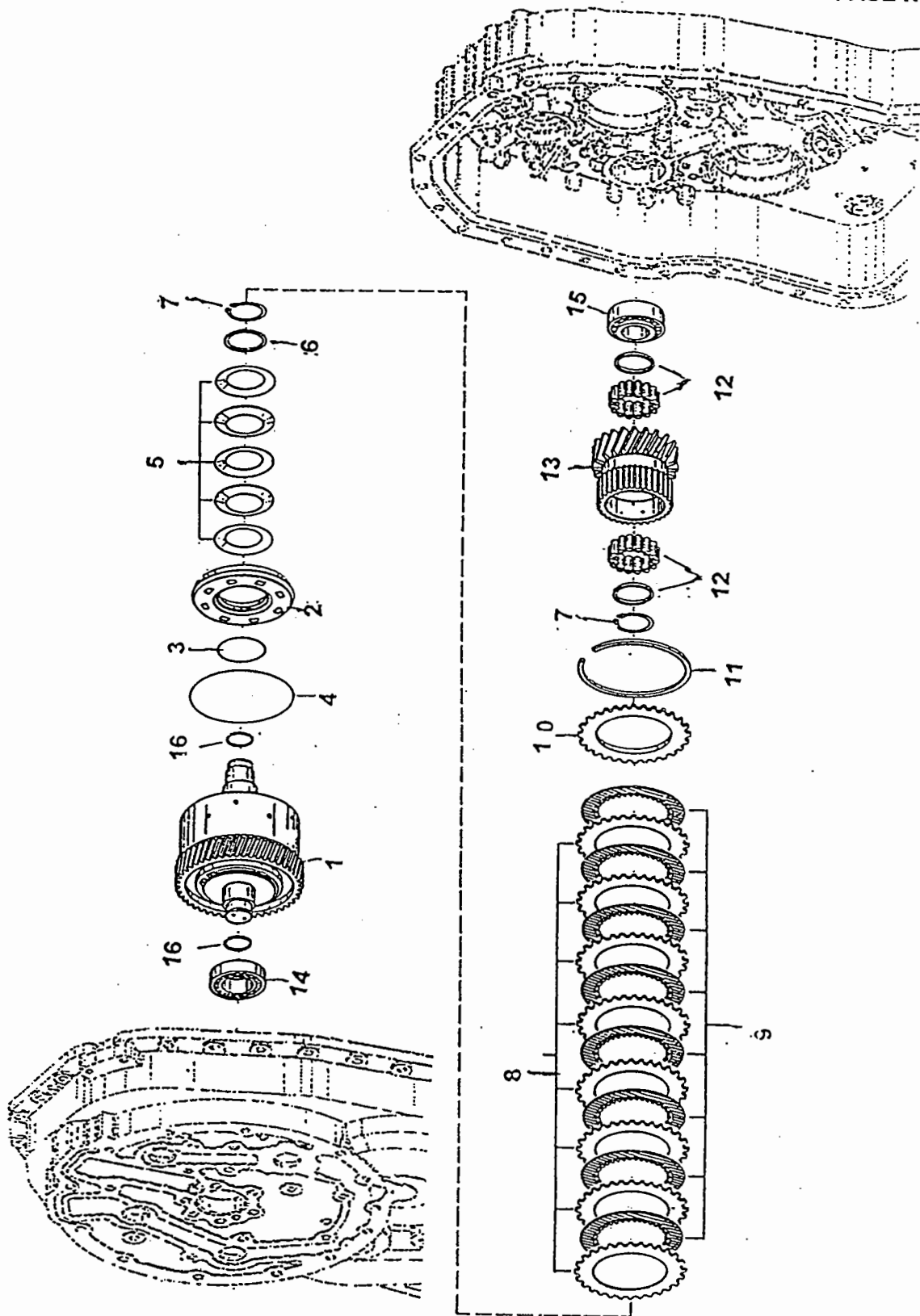
ISSUE 01	FIGURE NO. 4	TRANSMISSION	GROUP 2	PAGE 8
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Gear Box Housing		
1	4660 301 013	Housing I	1	
2	4660 301 012	Housing II	1	
3		Hexagon Screw	28	
	0636 015 386	Hexagon Screw (10x30)	28	
4		Hexagon Screw	6	
	0636 015 483	Hexagon Screw (10x50)	6	
5	0631 306 174	Cylindrical Pin	2	
6	0501 316 442	Type Plate	1	
7	0631 311 010	Grooved Stud	4	
8	0750 131 027	Breather	1	
9	4660 330 004	Converter bell	1	
10	0501 316 494	Bearing Bush	1	
11		Shaft Seal	1	
	0734 310 386	Shaft Seal	1	
12		Cap Screw	6	
	0636 031 168	Cap Screw	6	
13		Hexagon Screw	23	
	0636 015 386	Hexagon Screw	23	
14		Screw Plug	2	
	0501 209 879	Screw Plug	2	
15	4660 221 013	Pipe	1	
16	0634 306 047	"O" Ring	1	
17		Cap Screw	2	
	0636 031 169	Cap Screw	2	
18	0634 306 311	"O" Ring	6	
19	4660 321 029	Fixing Plate	6	
20		Cap Screw	6	
	0636 031 167	Cap Screw	6	
21	4660 221 008	Pipe	1	
22	4660 221 009	Pipe	1	
23	4660 221 010	Pipe	1	
24	4660 301 009	Bracket	1	
25	4660 301 010	Bracket	2	
26		Screw Plug	1	
	0636 302 603	Screw Plug	1	
	0634 304 161	"O" Ring	1	



COUPLING - K-1

ECEL HK-17 CRANE**PARTS CATALOGUE**

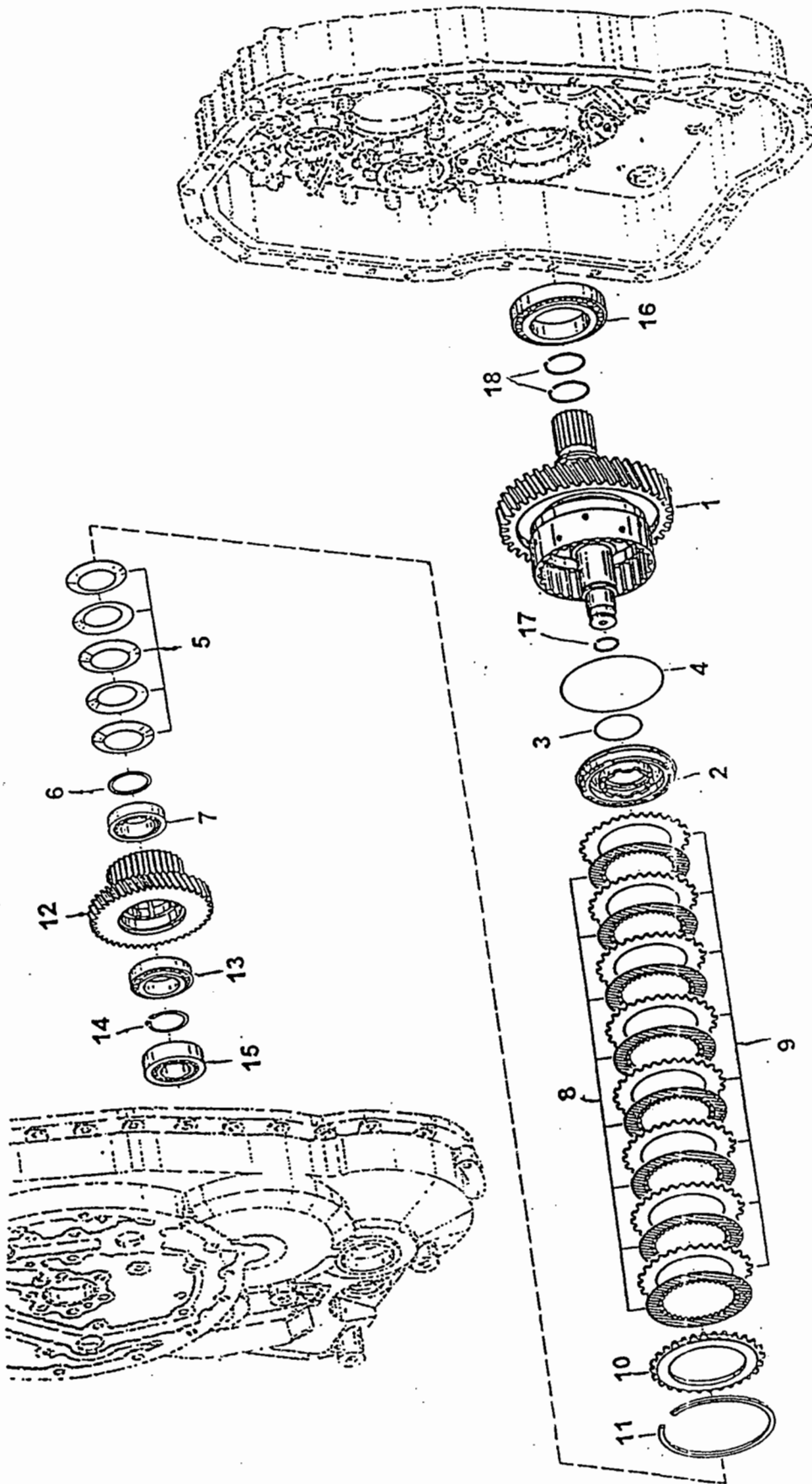
ISSUE	FIGURE NO. 5	TRANSMISSION	GROUP 2	PAGE 10
01				
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Coupling - K-1		
1	4660 271 001	Coupling	1	
2	4660 251 005	Piston	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	5	
6	0730 109 647	Shim	1	
7	0630 501 031	Retaining Ring	2	
8	0501 210 291	Lin. Clutch Disc	12	
9	0501 315 964	O. Clutch Disc	12	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2.00	NB	
12		Roller Cage	2	
	4660 271 003		WW	
	4660 271 004		WW	
13	4660 371 003	Disc Carrier	1	
14		Roller Bearing	1	
	4660 251 007		WW	
15		Roller Bearing	1	
	1307 203 019		WW	
	1307 203 010		WW	
	1307 203 009		WW	
16	0634 402 554	Piston Ring	2	



COUPLING K-2

ECEL HK-17 CRANE**PARTS CATALOGUE**

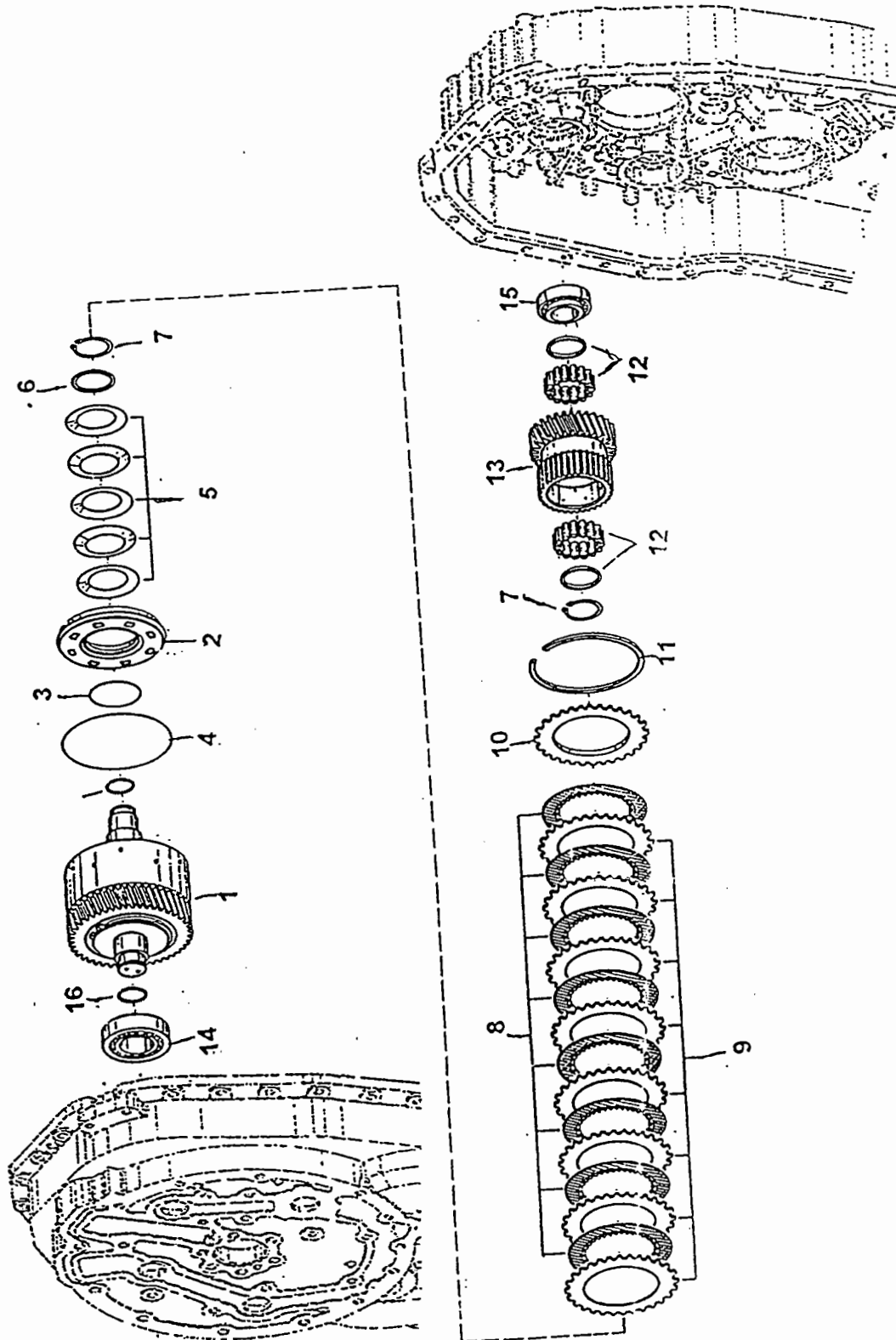
ISSUE 01	FIGURE NO. 6	TRANSMISSION	GROUP 2	PAGE 12
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Coupling - K-2		
1	4660 272 001	Coupling	1	
2	4660 251 005	Piston	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	5	
6	0730 109 647	Shim	1	
7	0630 501 031	Retaining Ring	2	
8	0501 210 291	Lin. Clutch Disc	12	
9	0501 315 964	O. Clutch Disc	12	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2.00	NB	
12		Roller Cage	2	
	4660 271 003		WW	
	4660 271 004		WW	
13	4660 372 002	Disc Carrier	1	
14		Roller Bearing	1	
	4660 251 007		WW	
15		Roller Bearing	1	
	1307 203 019		WW	
	1307 203 010		WW	
	1307 203 009		WW	
16	0634 402 554	Piston Ring	2	



COUPLING - K-3

ECEL HK-17 CRANE**PARTS CATALOGUE**

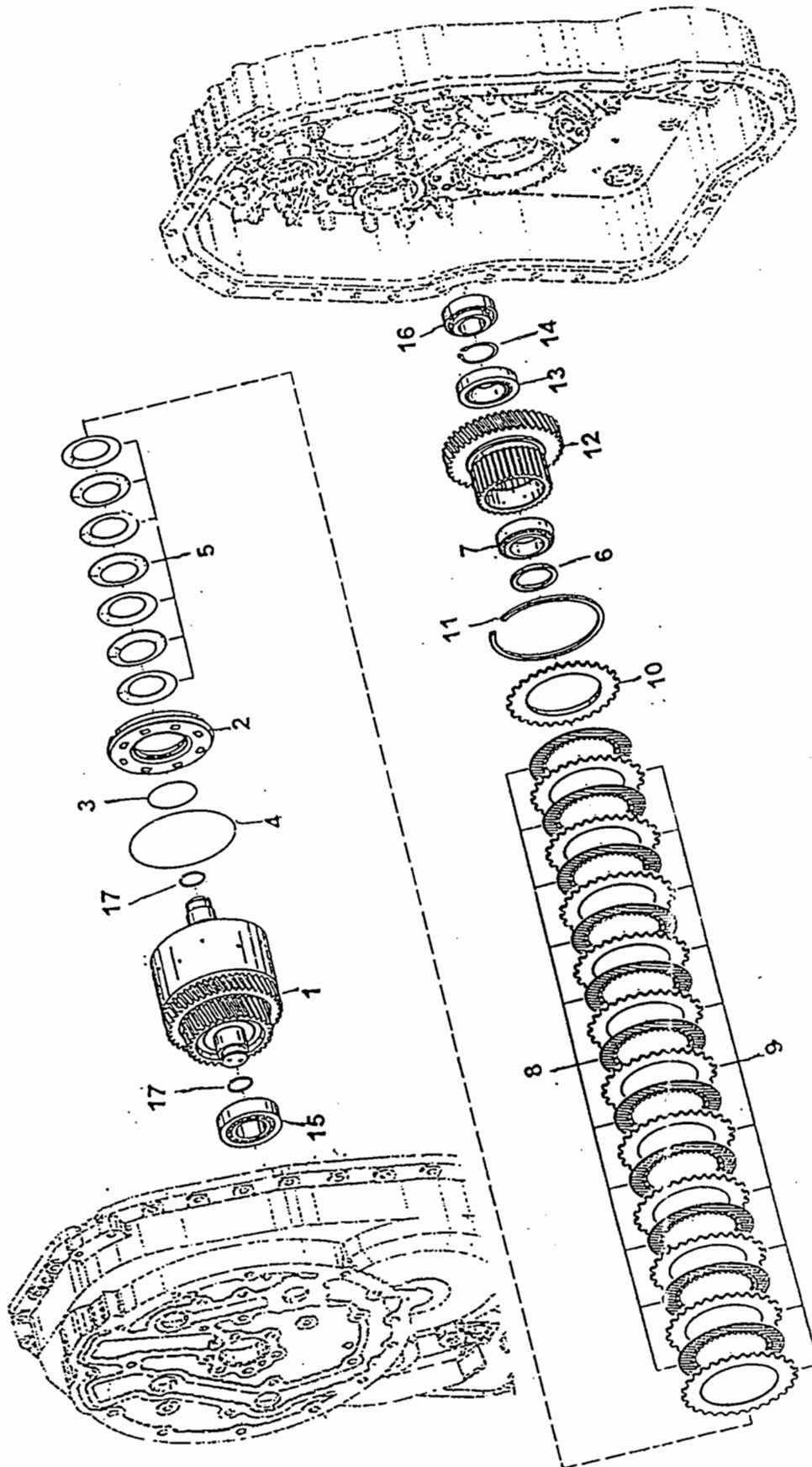
ISSUE 01	FIGURE NO. 7	TRANSMISSION	GROUP 2	PAGE 14
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Coupling - K-3		
1	4660 273 005	Coupling	1	
2	4660 251 005	Piston Ring	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	5	
6	0730 109 647	Support Shim	1	
7	0630 501 031	Roller Bearing	1	
	4660 251 012		WW	
8	0501 210 291	Lin. Clutch Disc	8	
9	0501 315 964	O. Clutch Disc	8	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2,00	NB	
12	4660 373 005	Disc Carrier	1	
13		Roller Bearing	1	
	4660 251 013		WW	
14		Retaining Ring	1	
	0730 501 559	A=3,20	NB	
	00730 501 558	A=3,10	NB	
	0730 501 557	A=3,00	NB	
	0730 501 556	A=2,90	NB	
	0730 501 555	A=2,80	NB	
	0730 501 554	A=2,70	NB	
	0730 501 553	A=2,60	NB	
	0630 531 047	38x2,5 Din 471	NB	
	0630 501 302	38x2,4 Din 471	NB	
	0630 501 178	38x2,3 Din 471	NB	
	0630 501 133	38x2,2 Din 471	NB	
	0630 501 134	38x2,1 Din 471	NB	
15		Roller Bearing	1	
	1307 203 019		WW	
	1307 203 010		WW	
	1307 203 009		WW	
16		Roller Bearing	1	
	4660 273 001		WW	
17	0634 402 554	Piston Ring	1	
18	0634 402 164	Piston Ring	2	



COUPLING - K-4

ECEL HK-17 CRANE**PARTS CATALOGUE**

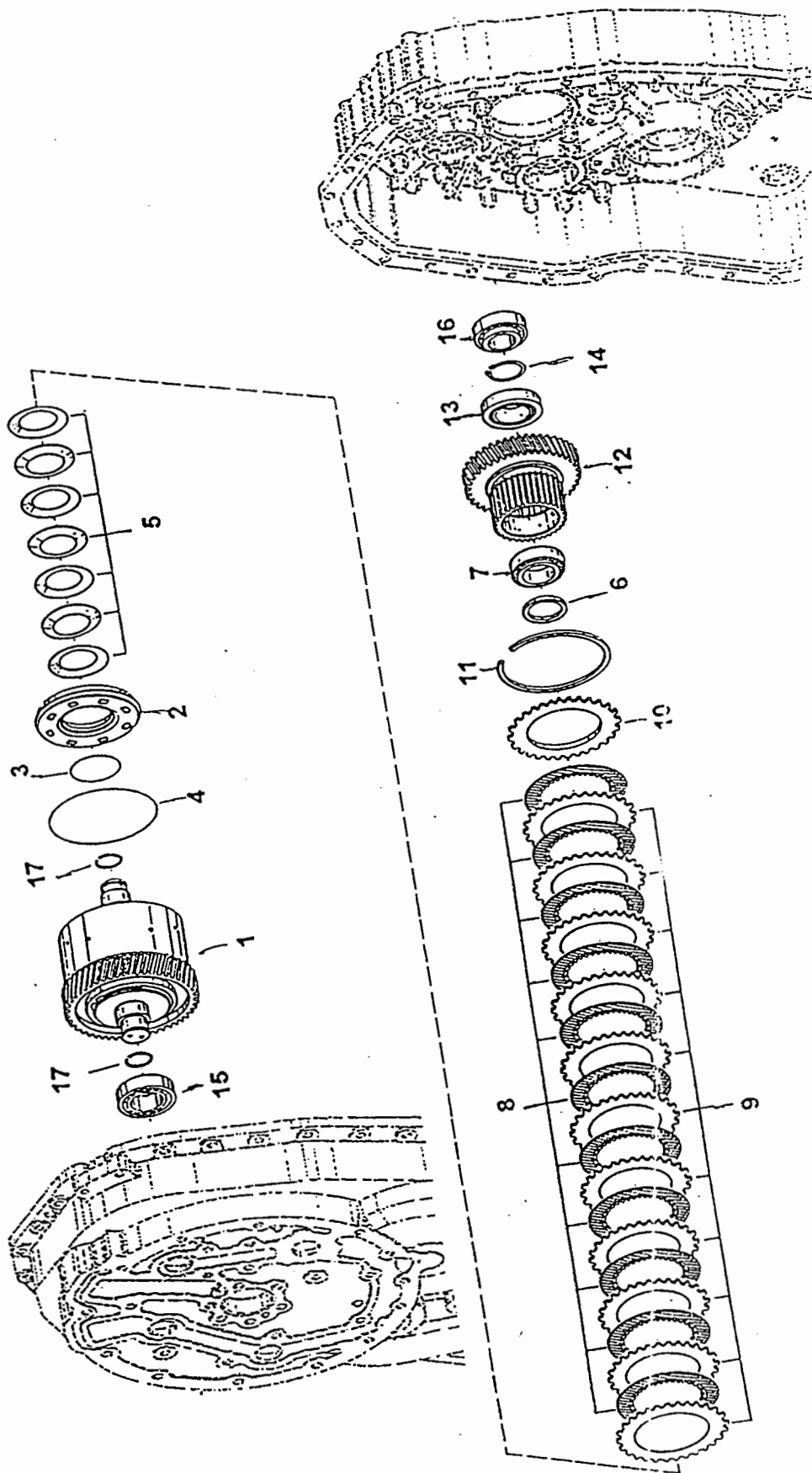
ISSUE 01	FIGURE NO. 8	TRANSMISSION	GROUP 2	PAGE 16
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Coupling - K-4		
1	4660 274 004	Coupling	1	
2	4660 251 005	Piston	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	5	
6	0730 109 647	Shim	1	
7	0630 501 031	Retaining Ring	2	
8	0501 210 291	Lin. Clutch Disc	8	
9	0501 315 964	O. Clutch Disc	8	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2.00	NB	
12		Roller Cage	2	
	4660 271 003		WW	
	4660 271 004		WW	
13	4660 374 003	Disc Carrier	1	
14		Roller Bearing	1	
	4660 274 001		WW	
15		Roller Bearing	1	
	4660 251 008		WW	
16	0634 402 554	Piston Ring	2	



REVERSING GEAR - KV

ECEL HK-17 CRANE**PARTS CATALOGUE**

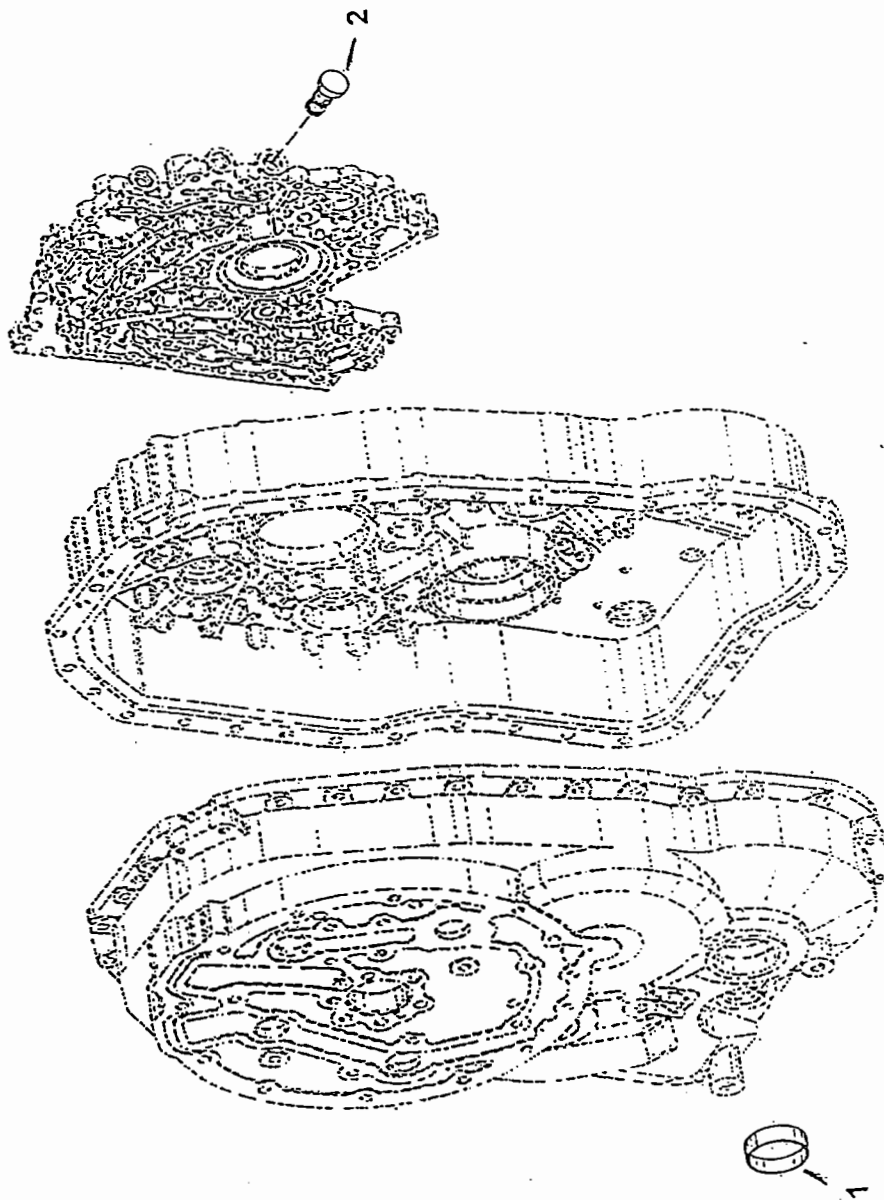
ISSUE 01	FIGURE NO. 9	TRANSMISSION	GROUP 2	PAGE 18
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Reversing Gear - KV		
1	4660 275 006	Coupling	1	
2	4660 251 005	Piston	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	7	
6	4660 351 033	Support Shim	1	
7		Roller Bearing	1	
	4660 251 012		WW	
8	0501 210 291	Lin. Clutch Disc	11	
9	0501 315 964	O. Clutch Disc	11	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2,00	NB	
12	4660 376 004	Disc Carrier	1	
13		Roller Bearing	1	
	4660 251 013		WW	
14		Retaining Ring	1	
	0730 501 559	A=3,20	NB	
	0730 501 558	A=3,10	NB	
	0730 501 557	A=3,00	NB	
	0730 501 556	A=2,90	NB	
	0730 501 555	A=2,80	NB	
	0730 501 554	A=2,70	NB	
	0730 501 553	A=2,60	NB	
	0630 531 047	38x2,5 Din 471	NB	
	0630 501 302	38x2,4 Din 471	NB	
	0630 501 178	38x2,3 Din 471	NB	
	0630 501 133	38x2,2 Din 471	NB	
	0630 501 134	38x2,1 Din 471	NB	
15		Roller Bearing	1	
	4660 274 001		WW	
16		Roller Bearing	1	
	4660 251 008		WW	
17	0634 402 554	Piston Ring	2	



REVERSING GEAR - KR

ECEL HK-17 CRANE**PARTS CATALOGUE**

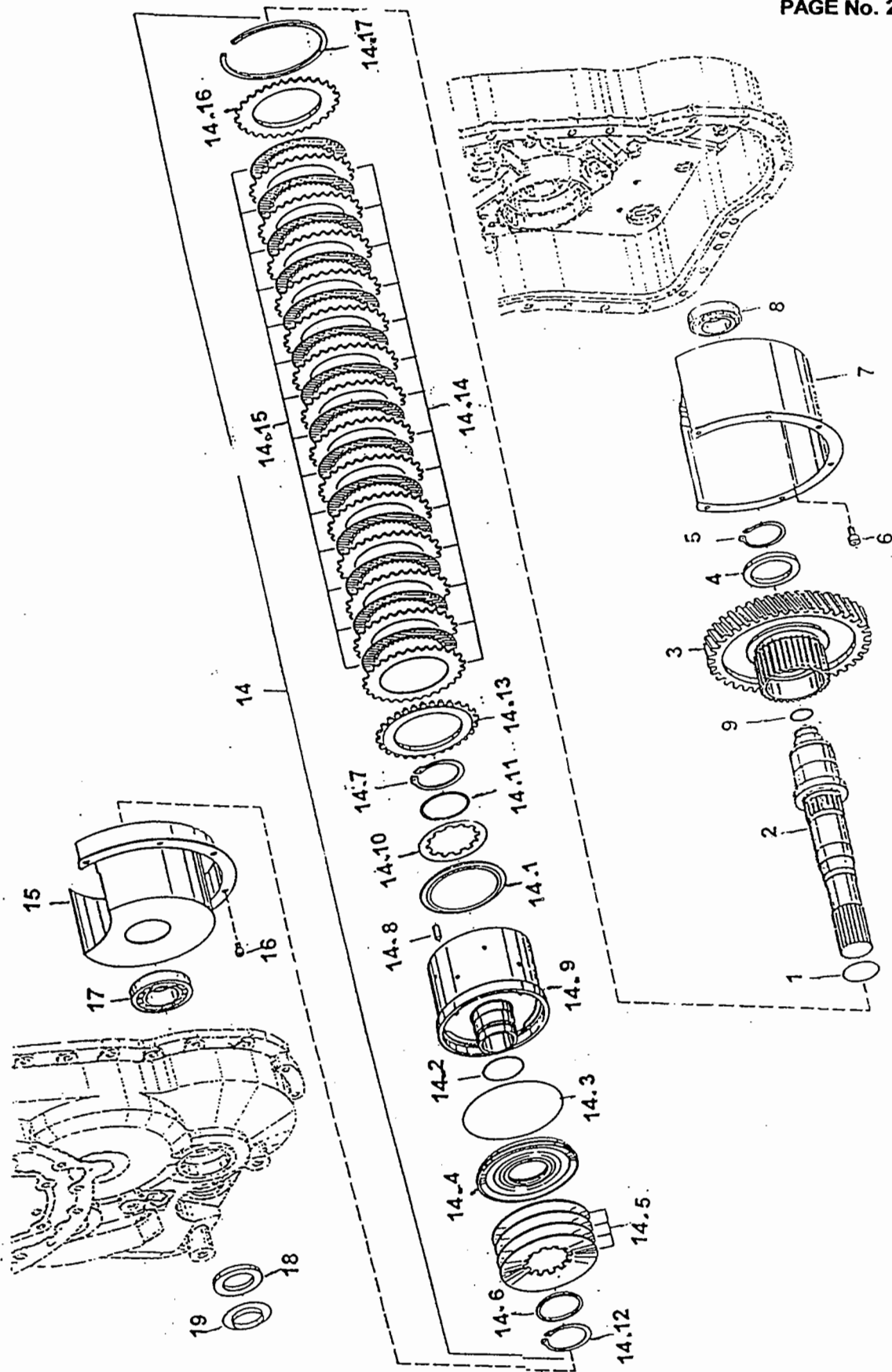
ISSUE 01	FIGURE NO. 10	TRANSMISSION	GROUP 2	PAGE 20
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Reversing Gear - KR		
1	4660 276 002	Coupling	1	
2	4660 251 005	Piston	1	
3	0634 313 269	"O" Ring	1	
4	0634 313 219	"O" Ring	1	
5	0750 106 076	Cup Spring	7	
6	4660 351 033	Support Shim	1	
7		Roller Bearing	1	
	4660 251 012		WW	
8	0501 210 291	Lin. Clutch Disc	11	
9	0501 315 964	O. Clutch Disc	11	
10	4660 351 011	End Shim	1	
11		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2,00	NB	
12	4660 376 004	Disc Carrier	1	
13		Roller Bearing	1	
	4660 251 013		WW	
14		Retaining Ring	1	
	0730 501 559	A=3,20	NB	
	0730 501 558	A=3,10	NB	
	0730 501 557	A=3,00	NB	
	0730 501 556	A=2,90	NB	
	0730 501 555	A=2,80	NB	
	0730 501 554	A=2,70	NB	
	0730 501 553	A=2,60	NB	
	0630 531 047	38x2,5 Din 471	NB	
	0630 501 302	38x2,4 Din 471	NB	
	0630 501 178	38x2,3 Din 471	NB	
	0630 501 133	38x2,2 Din 471	NB	
	0630 501 134	38x2,1 Din 471	NB	
15		Roller Bearing	1	
	4660 274 007		WW	
16		Roller Bearing	1	
	4660 251 008		WW	
17	0634 402 554	Piston Ring	2	



COUPLING O.VAB

ECEL HK-17 CRANE**PARTS CATALOGUE**

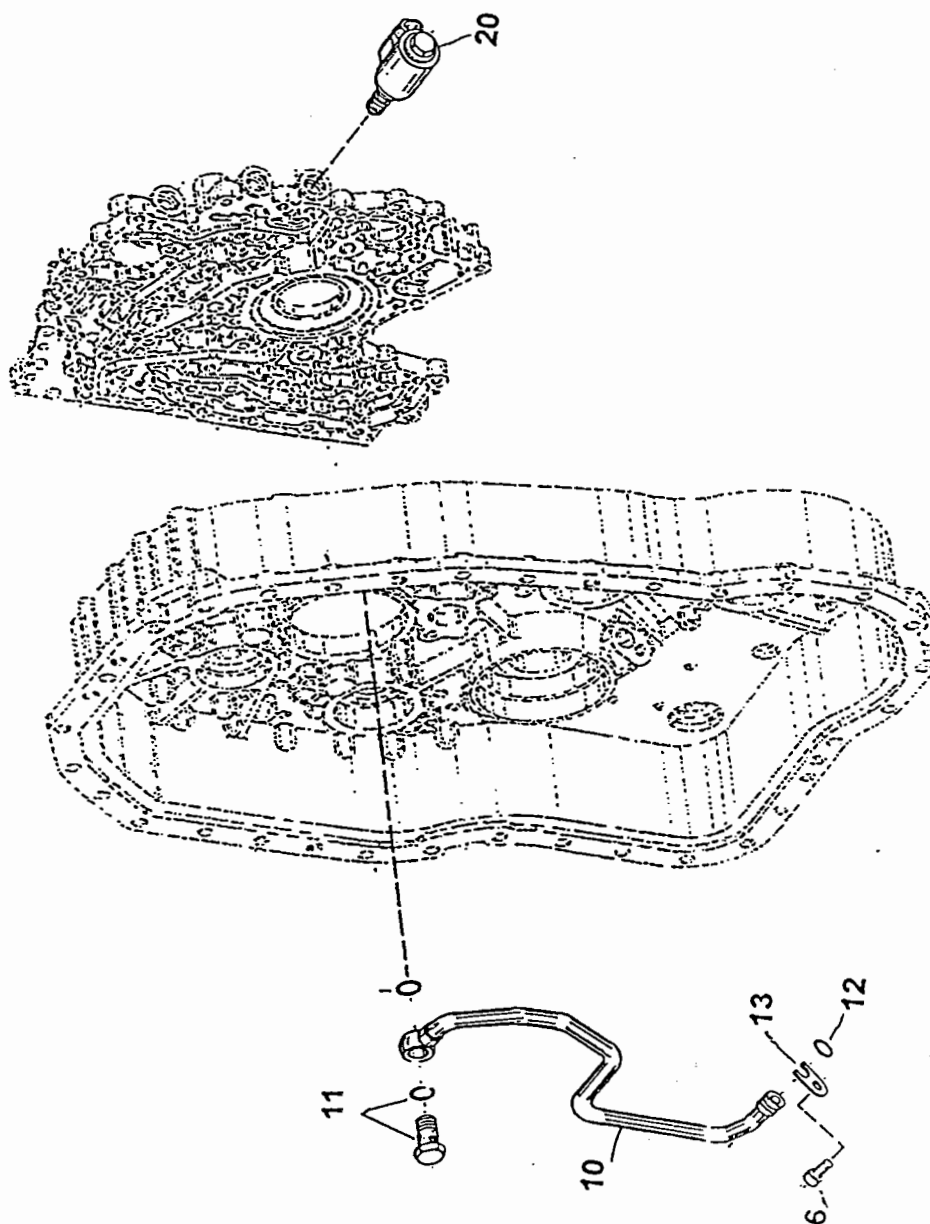
ISSUE 01	FIGURE NO. 11	TRANSMISSION	GROUP 2	PAGE 22
S.NO.	PART NO.	DESCRIPTION Coupling - O.VAB	QUANTITY	NOTE
1	0730 361 201	Sealing Cap	1	
2	0501 210 157	Sealing Cap	1	
		Screw Plug	1	
		Plug	1	



COUPLING - VA

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 12	TRANSMISSION	GROUP 2	PAGE 24
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Coupling VA		
1	4660 305 010	Output Shaft	1	
2	0634 303 419	"O" Ring	1	
3	4660 305 011	Disc Carrier	1	
4	0730 109 734	Thrust Washer	1	
5	0630 531 070	Retaining Ring	1	
6		Cap Screw	5	
	0636 031 167	Cap Screw	5	
7	4660 205 007	Screen Sheet	1	
8		Roller Bearing	1	
	4660 251 007		WW	
9	0634 402 554	Piston Ring	1	
10	4660 221 011	Pipe	1	
11		Union Screw	1	
	0637 035 004	Union Screw	1	
	0634 001 045	Sealing Ring	2	
12	0634 306 311	"O" Ring	1	
13	4660 321 029	Fixing Plate	1	
14	4660 205 008	Coupling	1	
14.1	4660 305 037	Disc Carrier	1	
14.2	0634 313 515	"O" Ring	1	
14.3	0634 313 702	"O" Ring	1	
14.4	4660 305 036	Piston Ring	1	
14.5	0732 000 243	Cup Spring	4	
14.6	4660 305 030	Spacer Ring	1	
14.7	0630 531 258	V-Ring	1	
14.8	0635 470 190	Roller	3	
14.9	4660 305 032	Fixing Plate	1	
14.1	0732 000 234	Cup Spring	1	
14.11	0730 002 162	Shim	1	
14.12	0630 501 379	Retaining Ring	1	
14.13	4660 351 011	End Shim	1	
14.14	0501 315 964	O. Clutch Disc	14	
14.15	0501 210 291	Lin. Clutch Disc	14	
14.16	4660 351 011	End Shim	1	
14.17		Snap Ring	1	
	0730 513 716	A=4,00	NB	
	0730 513 638	A=3,50	NB	
	0730 513 637	A=3,00	NB	
	0730 513 636	A=2,50	NB	
	0730 513 635	A=2,00	NB	
15	4660 305 026	Screen Sheet	1	
16		Cap Screw	6	
	0636 031 170	Cap Screw	6	
17		Roller Bearing	1	
	4660 205 004		WW	

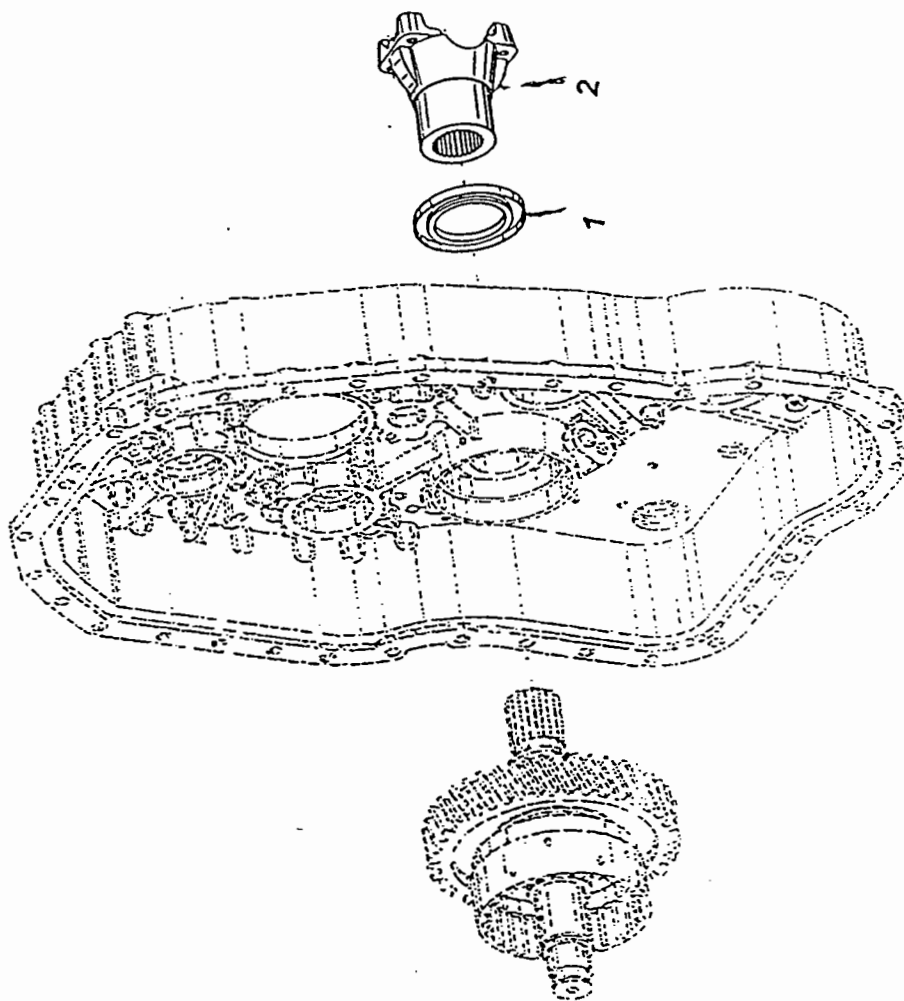


COUPLING VA

ECEL HK-17 CRANE

PARTS CATALOGUE

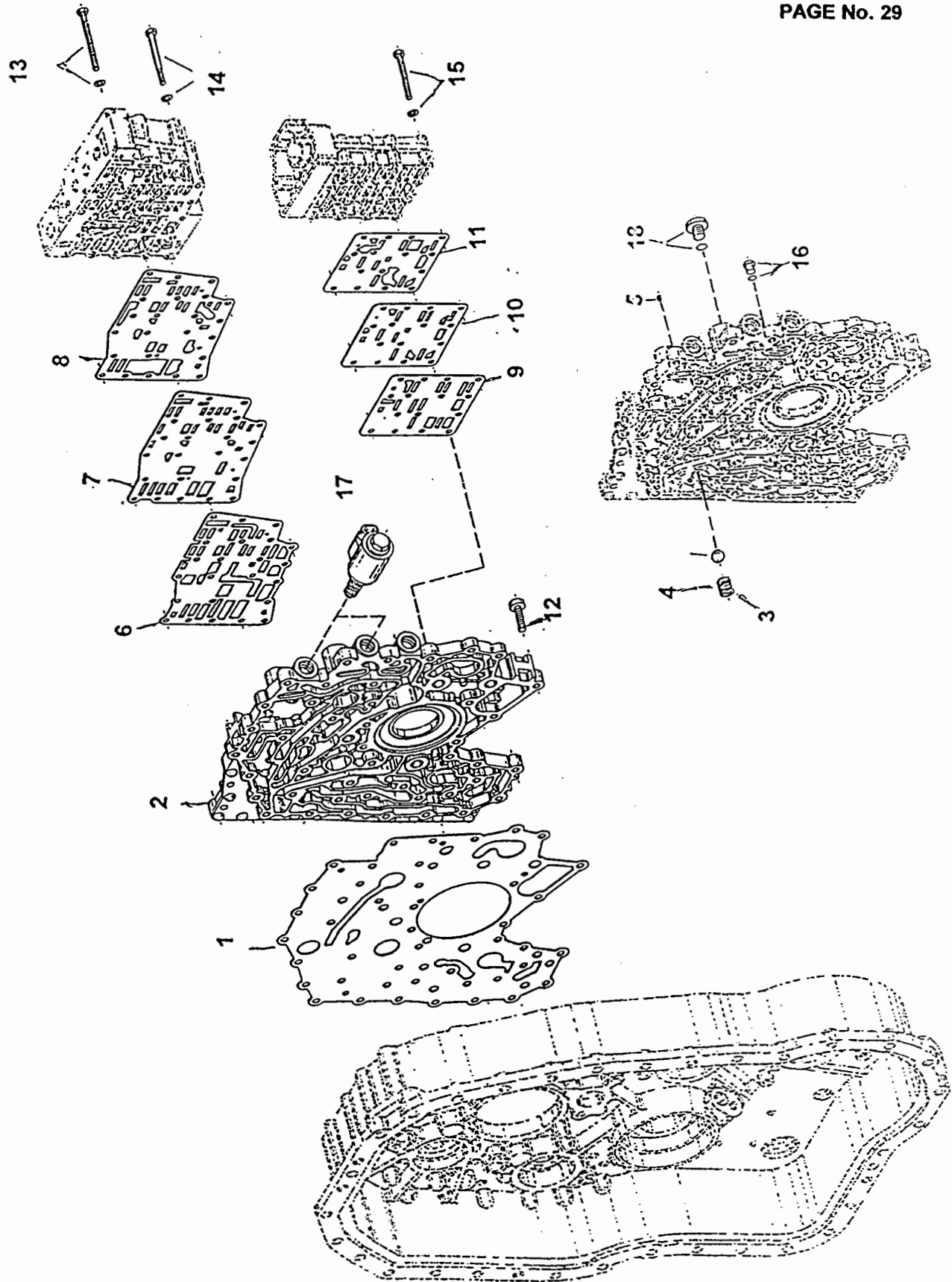
ISSUE 01	FIGURE NO. 12	TRANSMISSION	GROUP 2	PAGE 26
S.NO.	PART NO.	DESCRIPTION Coupling VA	QUANTITY	NOTE
18	0734 309 364	Shaft Seal	1	
19	0730 361 200	Shaft Seal	1	
20	0501 209 692	Sealing Cap	1	
		Solenoid Valve	1	



OUTPUT

ECEL HK-17 CRANE**PARTS CATALOGUE**

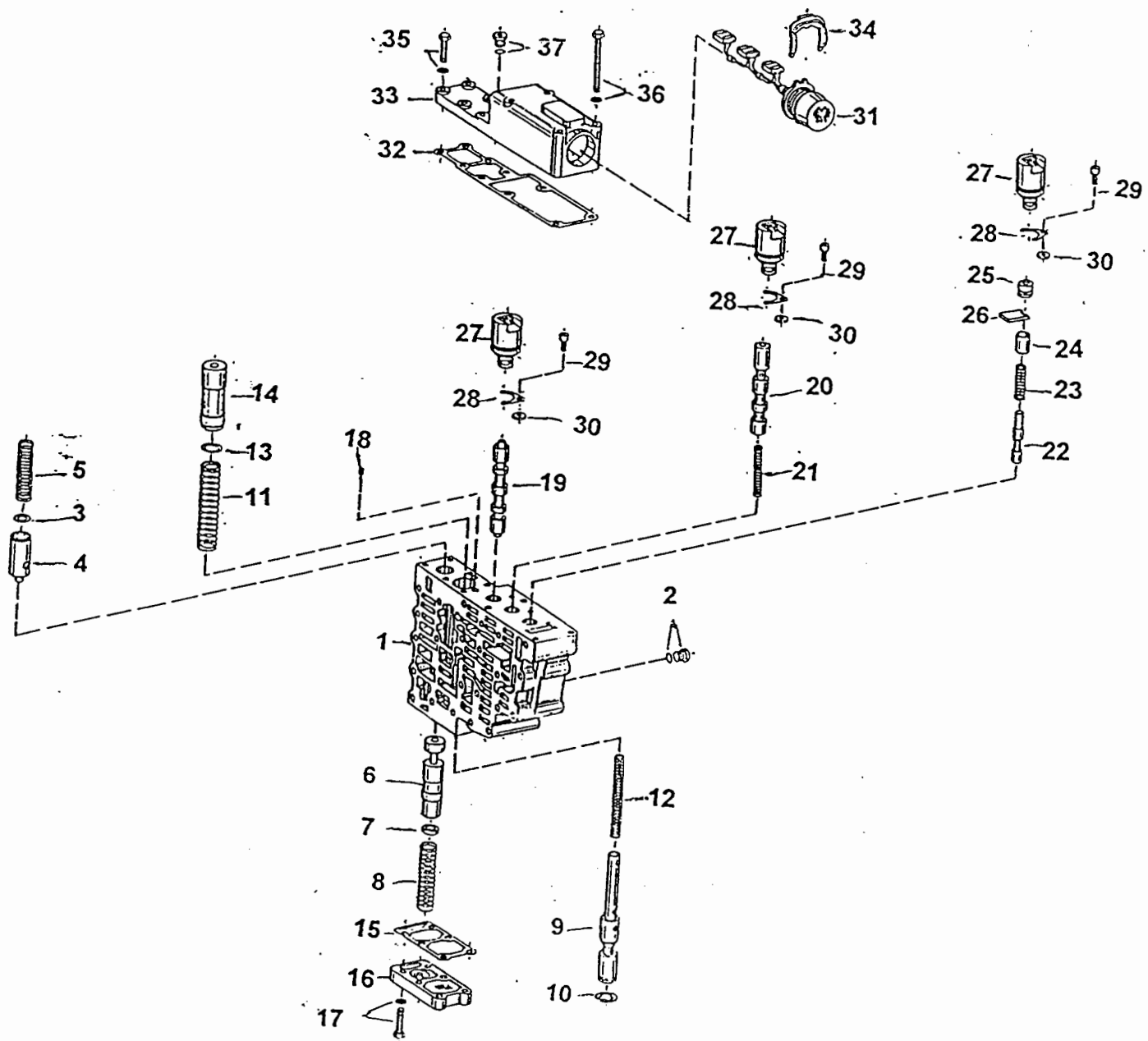
ISSUE 01	FIGURE NO. 13	TRANSMISSION	GROUP 2	PAGE 28
S.NO.	PART NO.	DESCRIPTION Output	QUANTITY	NOTE
1	0734 309 363	Shaft Seal	1	
2	4660 203 006	Shaft Seal Output Flange	1 1	



CONTROL UNIT

ECEL HK-17 CRANE**PARTS CATALOGUE**

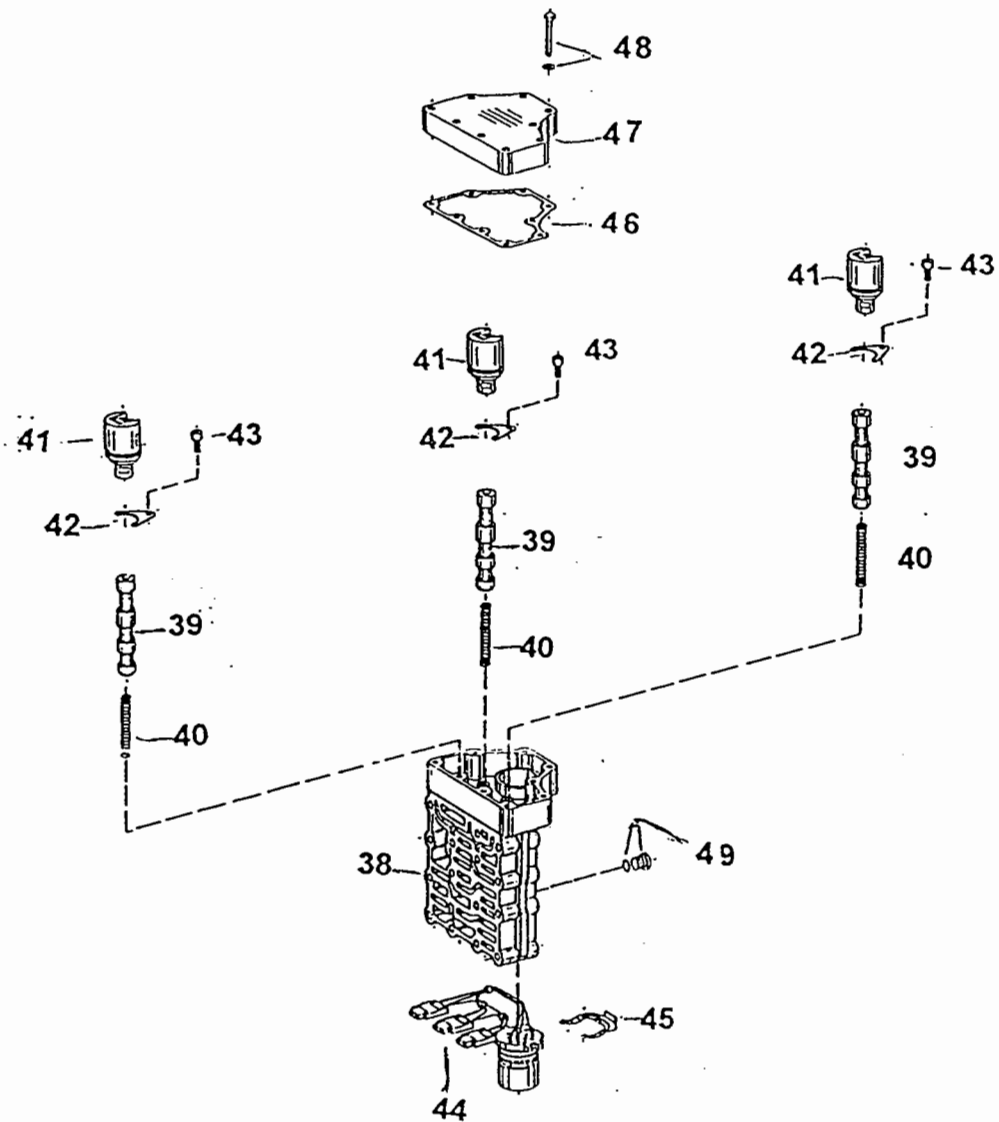
ISSUE 01	FIGURE NO. 14	TRANSMISSION	GROUP 2	PAGE 30
S.NO.	PART NO.	DESCRIPTION Control Unit	QUANTITY	NOTE
1	4660 306 071	Gasket	1	
2	4660 306 073	Duct Plate	1	
3	0732 041 226	Compr. Spring	1	
4	0635 460 027	Ball	1	
5		Orifice	1	
	4642 306 167	Orifice	1	
6	4660 306 064	Gasket	1	
7	4660 306 039	Intern. Sheet	1	
8	4660 306 062	Gasket	1	
9	4660 306 070	Gasket	1	
10	4660 306 069	Intern. Sheet	1	
11	4660 306 068	Gasket	1	
12		Cap Screw	43	
	0736 101 312	Cap Screw	43	
13		Hexagon Screw	4	
	0636 015 565	Hexagon Screw	4	
	0630 001 076	Washer	4	
14		Hexagon Screw	19	
	0636 010 736	Hexagon Screw	19	
	0630 001 076	Washer	19	
15		Hexagon Screw	15	
	0636 015 576	Hexagon Screw	15	
	0630 001 076	Washer	15	
16		Screw Plug	1	
	0636 302 053	Screw Plug	1	
	0634 303 200	"O" Ring	1	
17		Solenoid Valve	2	
	0501 209 692	Solenoid Valve	2	
18		Screw Plug	1	
	0636 302 600	Screw Plug	1	
	0634 304 158	"O" Ring	1	



GEARSHIFT SYSTEM

ECEL HK-17 CRANE**PARTS CATALOGUE**

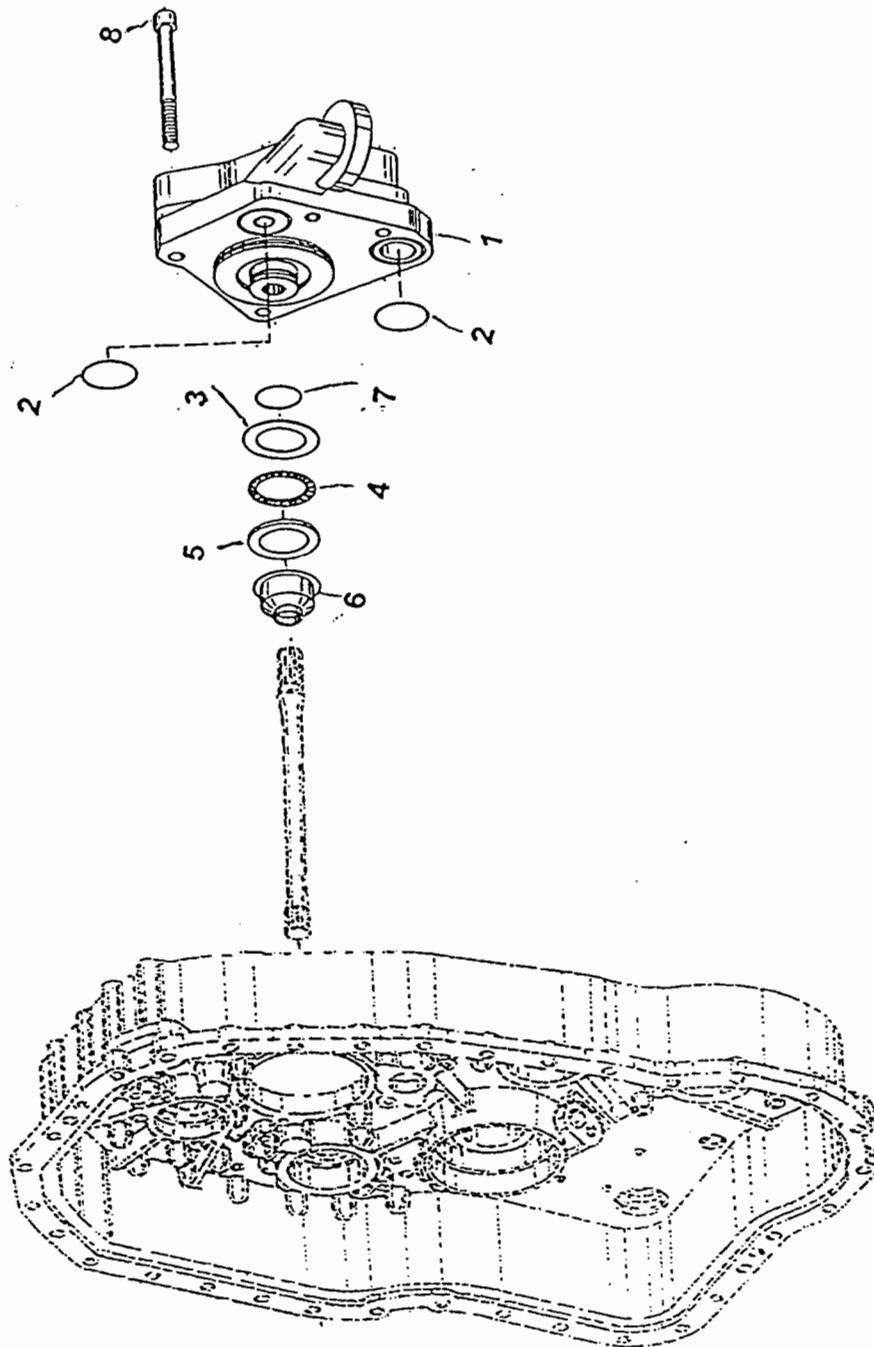
ISSUE 01	FIGURE NO. 15	TRANSMISSION	GROUP 2	PAGE 32
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Gearshift System		
1	4660 306 045	Valve Housing	1	
2		Screw Plug	7	
	0636 302 053	Screw Plug	7	
	0634 303 280	"O" Ring	7	
3	0630 004 037	Shim Ring	1	
4	4660 306 026	Piston	1	
5	0732 042 495	Compr. Spring	1	
6	4660 306 072	Piston	1	
7		Spacer Ring	1	
	0730 006 274	A=3,60	NB	
	0730 006 272	A=3,20	NB	
	0730 006 270	A=2,80	NB	
	0730 006 268	A=2,40	NB	
	0730 006 266	A=2,00	NB	
8	0732 042 496	Compr. Spring	1	
9	4660 306 053	Control Piston	1	
10	0630 504 012	Locking Washer	1	
11	0732 042 662	Compr. Spring	1	
12	0732 042 663	Compr. Spring	1	
13		Washer	1	
	0730 105 798	A=2,00	NB	
	0730 105 797	A=1,00	NB	
	0730 101 137	A=0,50	NB	
	0730 101 138	A=0,30	NB	
	0730 101 139	A=0,20	NB	
14	4660 306 074	Piston	1	
15	4660 306 050	Gasket	1	
16	4660 306 024	Cover	1	
17		Hexagon Screw	6	
	0636 015 566	Hexagon Screw	6	
	0630 001 076	Washer	6	
18		Orifice	1	
	4642 306 167	Orifice	1	
19	4660 206 003	Valve	1	
20	4660 306 033	Piston	1	
21	0732 042 598	Compr. Spring	1	
22	4660 306 055	Piston	1	
23	0732 042 597	Compr. Spring	1	
24	4660 306 067	Spacer Sleeve	1	
25	4660 306 056	Plug	1	
26	4660 306 015	Fixing Plate	1	
27	0501 313 374	Solenoid Valve	3	
28	1043 326 045	Fixing Plate	3	
29		Cap Screw	3	
	0636 101 651	Cap Screw	3	
30	0730 004 292	Washer	3	
31	4660 206 001	Wiring Harness	1	
32	4660 306 057	Gasket	1	



GEARSHIFT SYSTEM

ECEL HK-17 CRANE**PARTS CATALOGUE**

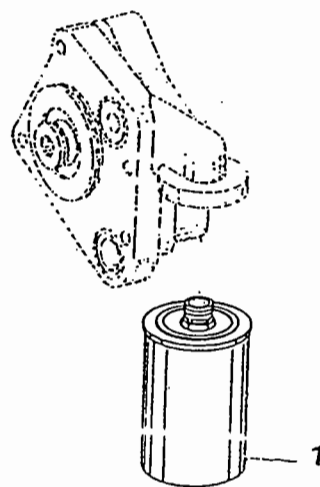
ISSUE 01	FIGURE NO. 15	TRANSMISSION	GROUP 2	PAGE 34
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Gearshift System		
33	4660 306 049	Cover	1	
34	1058 327 026	Retaining Clamp	1	
35		Hexagon Screw	6	
	0636 015 566	Hexagon Screw	6	
	0630 001 076	Washer	6	
36		Hexagon Screw	4	
	0636 015 564	Hexagon Screw	4	
	0630 001 076	Washer	4	
37		Screw Plug	1	
	0636 302 053	Screw Plug	1	
	0634 303 200	"O" Ring	1	
38	4660 306 075	Valve Block	1	
39	4660 306 043	Piston	3	
40	0732 042 598	Compr. Spring	3	
41	051 313 374	Solenoid Valve	3	
42	1043 326 045	Fixing Plate	3	
43		Cap Screw	3	
	0636 101 651	Cap Screw	3	
44	4660 206 006	Wiring Harness	1	
45	1058 327 026	Retaining Clamp	1	
46	4660 306 041	Gasket	1	
47	4660 306 042	Cover	1	
48		Hexagon Screw	9	
	0636 015 567	Hexagon Screw	9	
	0630 001 096	Washer	9	
49		Screw Plug	3	
	0636 302 053	Screw Plug	3	
	0634 303 280	"O" Ring	3	
—	4660 159 004	Gearshift Sys.	1	
—	4660 159 401	Gearshift Sys.	1	



CHARGE OIL PUMP

ECEL HK-17 CRANE**PARTS CATALOGUE**

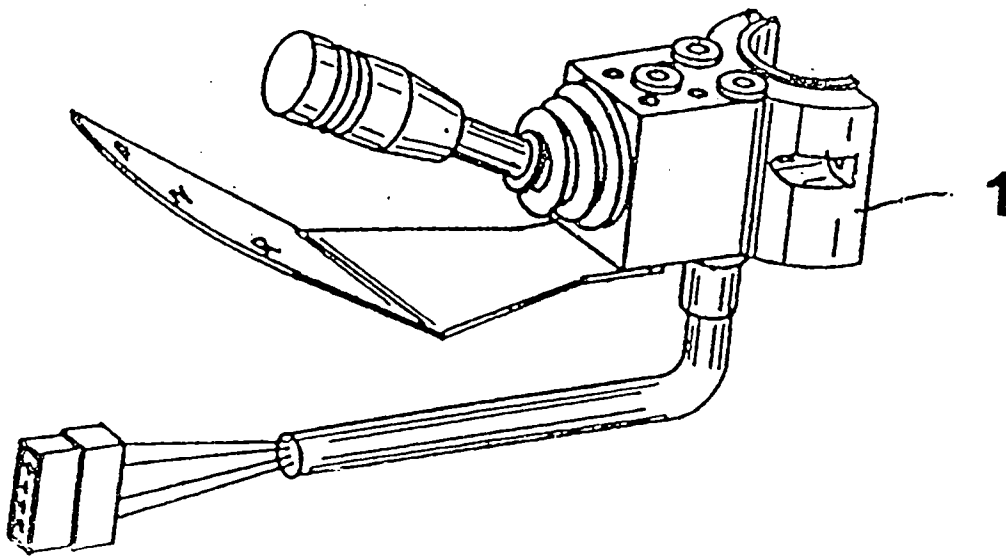
ISSUE 01	FIGURE NO. 16	TRANSMISSION	GROUP 2	PAGE 36
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Charge Oil Pump		
1	0501 209 975	Pump	1	
2	0634 303 692	"O" Ring	2	
3	0635 290 035	Axial Washer	1	
4	0735 320 868	Ax. Needle Cage	1	
5	0501 311 020	Angle Disc	1	
6	4660 322 001	Spacer Bush	1	
7	0634 303 367	"O" Ring	1	
8		Cap Screw	4	
	0636 101 363	Cap Screw	4	



TRANSMISSION FILTER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 17	TRANSMISSION	GROUP 2	PAGE 38
S.NO.	PART NO.	DESCRIPTION Transmission Filter	QUANTITY	NOTE
1	0750 131 056	Filter Assy.	1	



GEARSHIFT LEVER

ECEL HK-17 CRANE

PARTS CATALOGUE

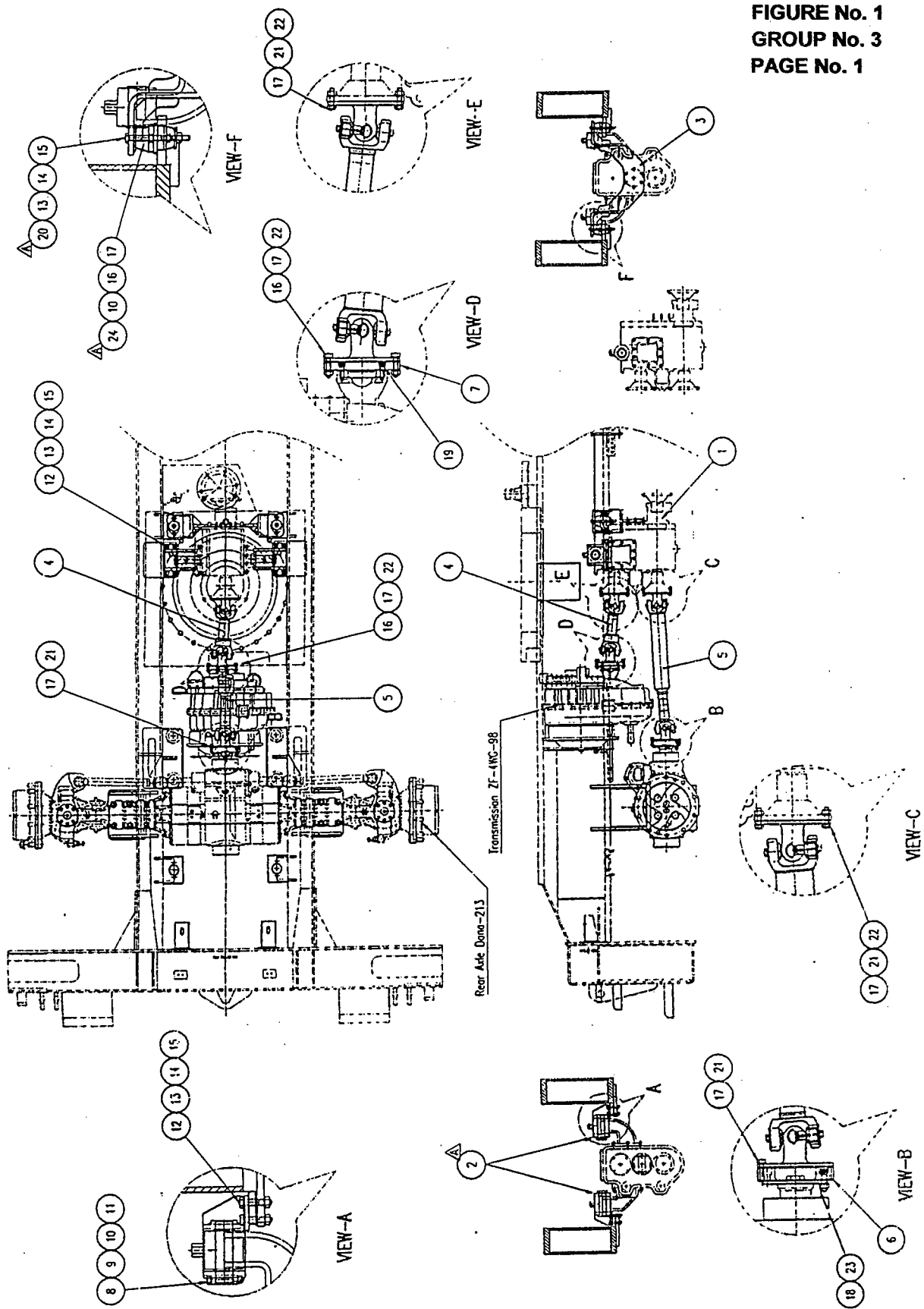
ISSUE 01	FIGURE NO. 18	TRANSMISSION	GROUP 2	PAGE 40
S.NO.	PART NO.	DESCRIPTION Gearshift Lever	QUANTITY	NOTE
1	0501 210 194	Range Selector	1	

AUXILLARY GEAR BOX

INDEX

GROUP No. 3

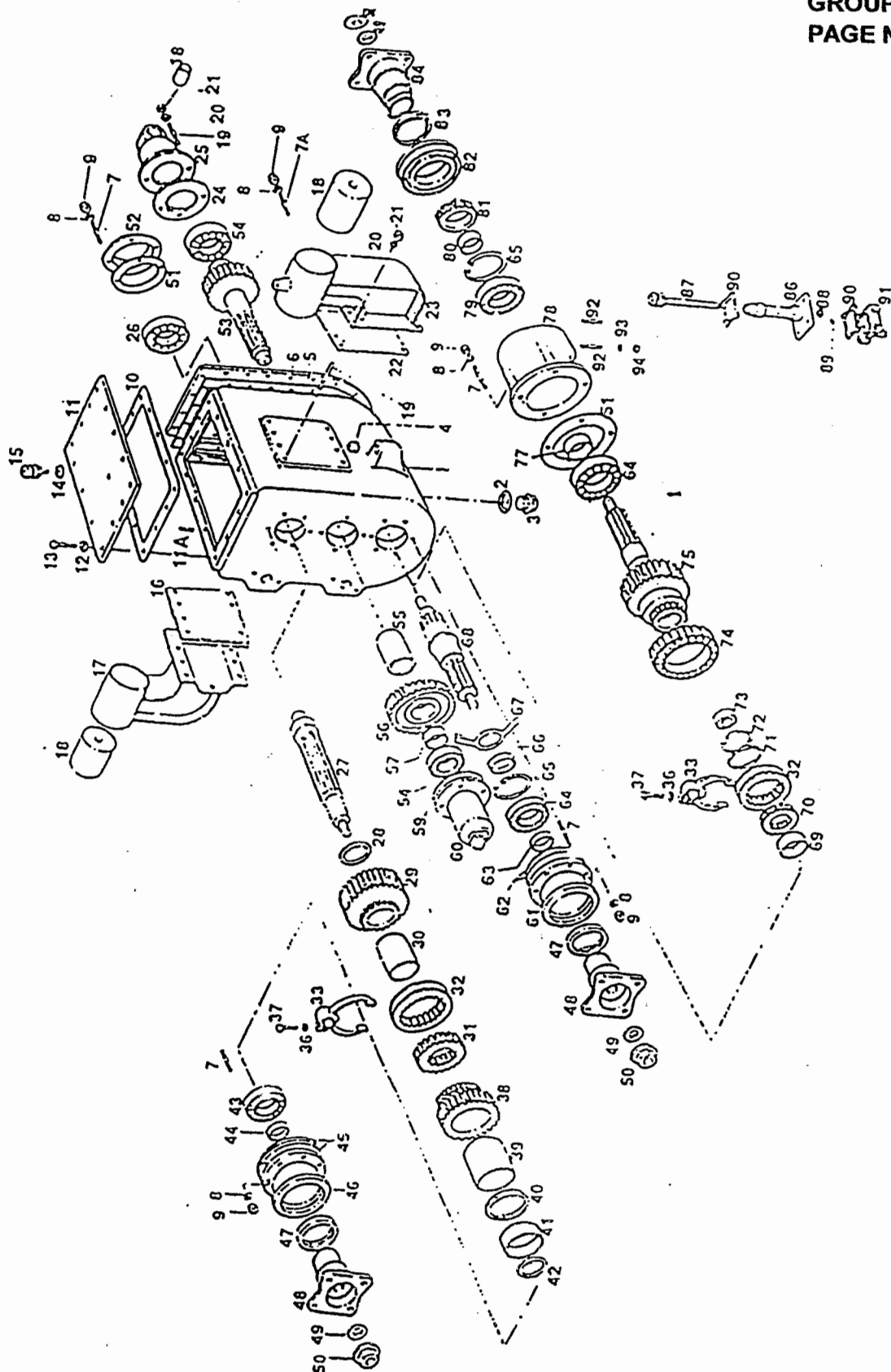
DESCRIPTION	FIGURE No.	PAGE No.
AGB INSTALLATION	1	1 TO 2
ASSY. OF GEAR BOX	2	3 TO 8



AGB INSTALLATION

ECEL HK-17 CRANE**PARTS CATALOGUE**

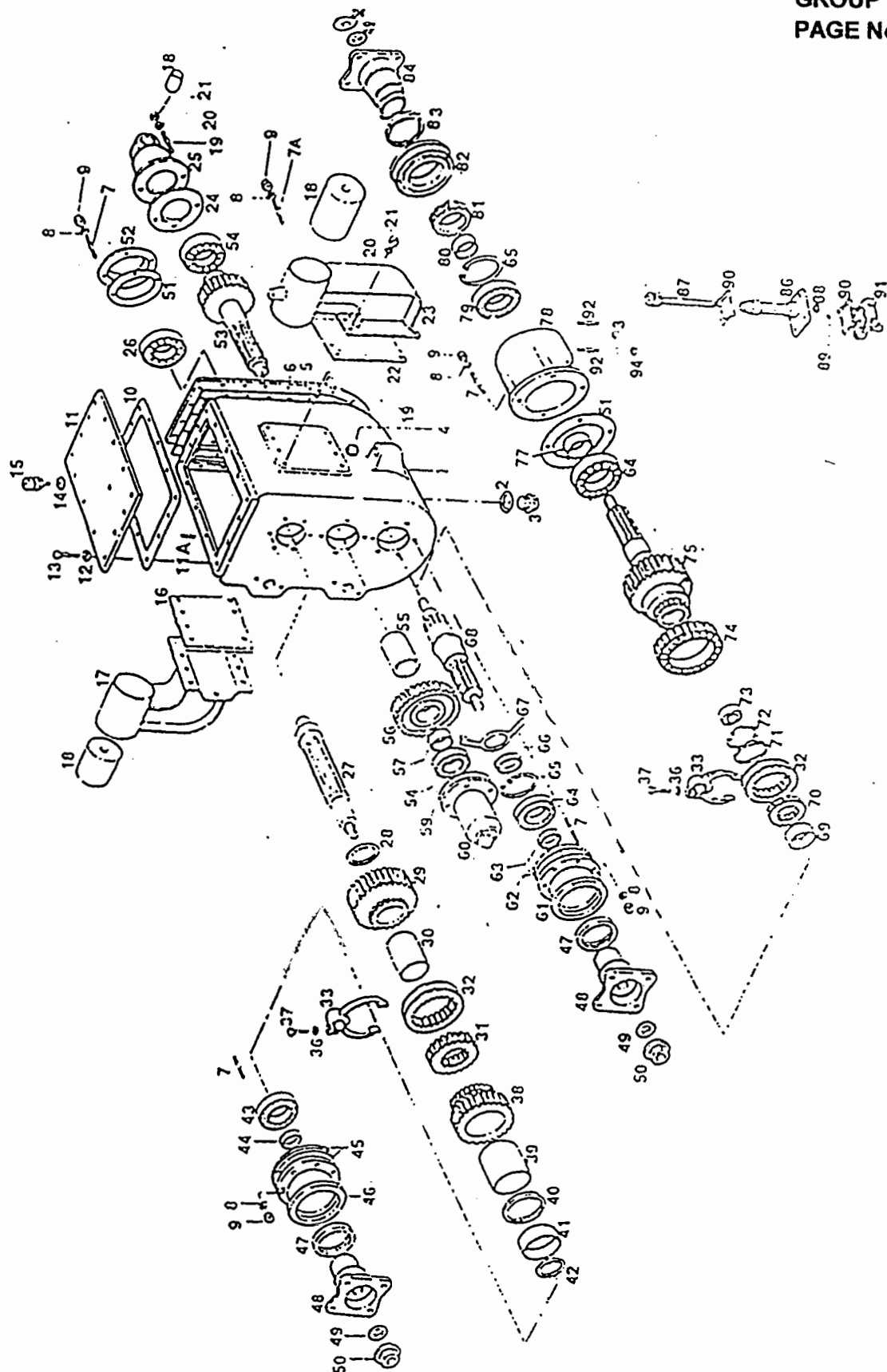
ISSUE	FIGURE NO. 1	AUXILLARY GEAR BOX	GROUP 3	PAGE 2
01				
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		AGB INSTALL. - 28-A-1-054A		
1	PP10409	Auxiliary Gear Box	1	
2	28F1075A	AGB Mtg. Bkt. (Side)	2	
3	28F1093	AGB Mtg. Bkt. (Rear)	1	
4	28C1300	Prop. Shaft	1	
5	28C1299	Prop. Shaft	1	
6	28M1087	Adopter Plate	1	
7	28M1088	Adopter Plate	1	
8	22C4006A	Pin	2	
9	B1.10X75-8.8G	Hex Bolt	2	
10	W1.10	Plain Washer	6	
11	N6.10	Nylock Nut	2	
12	B1.12X65-8.8G	Hex Bolt	8	
13	W2.12	Spring Washer	10	
14	W1.12	Plain Washer	10	
15	N1.12	Hex Nut	10	
16	B1.10X45	Hex Bolt	12	
17	W2.10	Spring Washer	52	
18	8MSA12C2080	Allen Screw	8	
19	8MSA06F3080	Allen Screw	4	
20	B1.12X140	Hex Bolt	2	
21	B1.10X40	Hex Bolt	24	
22	N1.10	Hex Nut	24	
23	N6.12	Nylock Nut	8	
24	V12.11.008.1	Engine Mounting Pad	2	



ASSY. OF AUXILLARY GEAR BOX.

ECEL HK-17 CRANE**PARTS CATALOGUE**

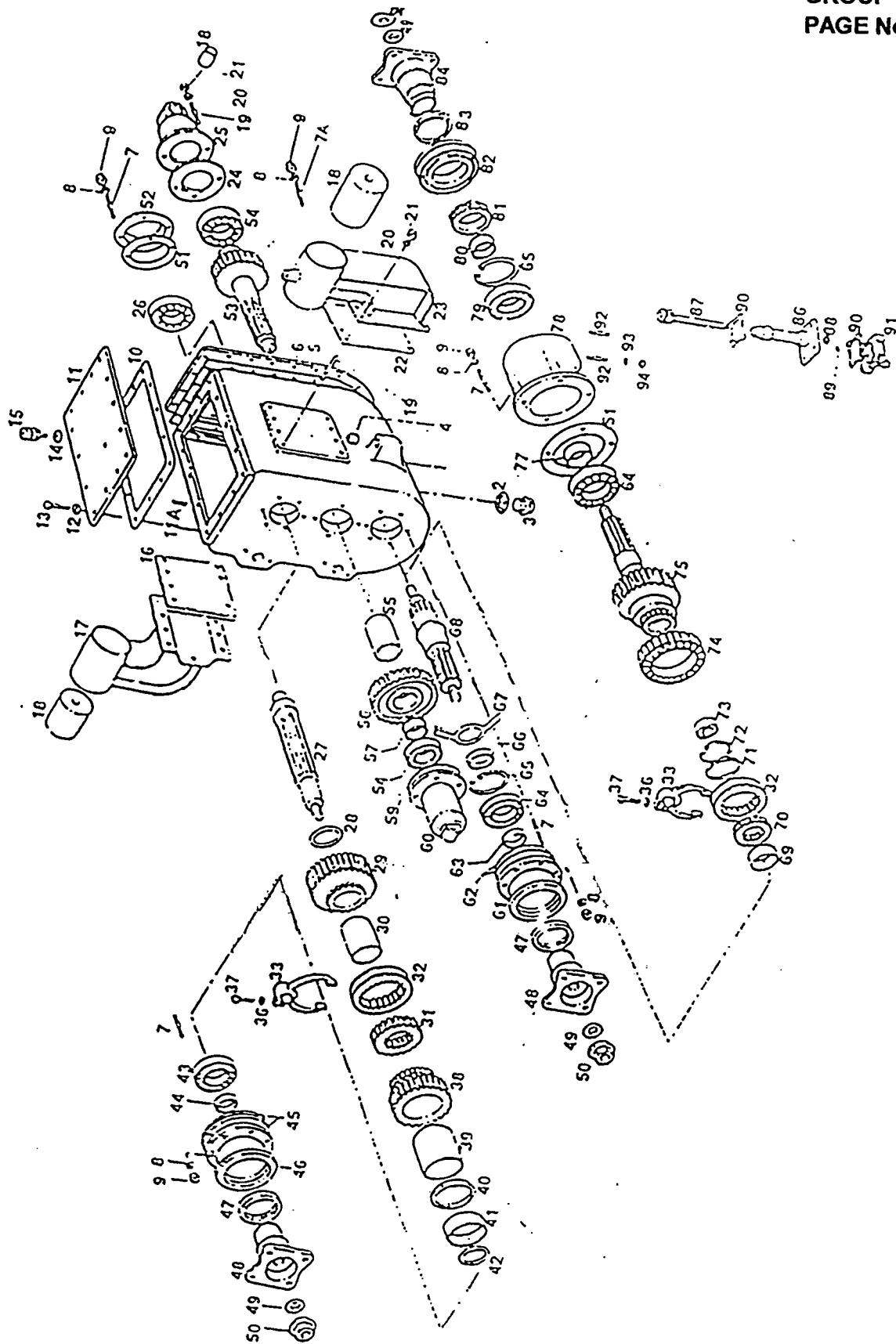
ISSUE 01	FIGURE No. 2	AUXILLARY GEAR BOX	GROUP 3	PAGE 4
S.NO.	PART No.	DESCRIPTION Assy. Of Auxillary Gear Box PP10409	QUANTITY	NOTE
—	PP10409	Assy. Of Auxillary Gear Box A1992900	1	
1	ALZFAG00	Transfer Case	1	
2	ALZFAG01	Washer	1	
3	ALZFAG02	Magnetic Drain Plug	1	
4	ALZFAG03	S/A Of Filler Plug With Dipstick	1	
5	ALZFAG04	Gasket For Above	1	
6	ALZFAG05	S/A Transfer Case Cover	1	
7	ALZFAG06	Stud 5/16" Special Combination	30	
7A	ALZFAG07	5/16" In Spl. Combination Stud	12	
8	ALZFAG08	Washer 5/16" In Dia	42	
9	ALZFAG09	Nut 5/16 Unf	42	
10	ALZFAG10	Gasket For Top Cover	0.1	
11	ALZFAG11	S/A Of Top Cover	1	
11A	ALZFAG12	Dowel	2	
12	ALZFAG13	Kolok Washer 5/16 In Dia	12	
13	ALZFAG14	5/16 In Bsf Setscrew	12	
16	ALZFAG15	shim 0,005 Inch Thick	AR	
17	ALZFAG16	S/A Of Mtg Brkt - RH	1	
18	ALZFAG17	Flexible Bush	3	
19	ALZFAG18	Stud 3/8 In Spl Combination	24	
20	ALZFAG19	Washer 3/8 In Dia	24	
21	ALZFAG20	Nut 3/8 In Unf	24	
22	ALZFAG21	Gasket	1	
23	ALZFAG22	S/A Of Mtg. Brkt.-LH	1	
24	ALZFAG23	Gasket	1	
25	ALZFAG24	S/A Of Mtg. Brkt-Rear	1	
26	ALZFAG25	Roller Bearing	1	
27	ALZFAG26	Input Shaft	1	
28	ALZFAG27	Thrust Washer	1	
29	ALZFAG28	spur Sear (For 1:1 Ratio)	1	
30	ALZFAG29	Distance Bush For Above	1	
31	ALZFAG30	Fixed Dog Clutch	1	
32	ALZFAG31	Sliding Dog Clutch	2	
33	ALZFAG32	Speed Change Fork	2	
	ALZFAG33	Spacer B ush	1	
36	ALZFAG34	Lock Washer	2	
37	ALZFAG35	Pinch Bolt (Spl. Bolt)	2	
38	ALZFAG36	Spur Gear (For 2.105 :1)	1	
39	ALZFAG37	Distance Bush For Above	1	
40	ALZFAG38	Thrust Washer	1	
40	ALZFAG39	Thrust Washer	1	
40	ALZFAG40	Thrust Washer	1	
40	ALZFAG41	Thrust Washer	1	
40	ALZFAG42	Thrust Washer	1	
40	ALZFAG43	Thrust Washer	1	
41	ALZFAG44	Distance Piece	1	
42	ALZFAG45	Thrust Washer	1	
43	ALZFAG46	Roller Bearing	1	



ASSY. OF AUXILLARY GEAR BOX.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 2	AUXILLARY GEAR BOX	GROUP 3	PAGE 6
S.NO.	PART No.	DESCRIPTION Assy. Of Auxillary Gear Box PP10409	QUANTITY	NOTE
44	ALZFAG47	Distance Piece	1	
45	ALZFAG48	Shims - 0,002 In	AR	
45	ALZFAG49	Shims - 0,005 In	AR	
45	ALZFAG50	Shims - 0,010 In	AR	
45	ALZFAG51	Shims - 0,020 In	AR	
45	ALZFAG52	Shims - 0,002 In	AR	
45	ALZFAG53	Shims - 0,005 In	AR	
45	ALZFAG54	Shims - 0,020 In	AR	
46	ALZFAG55	Oil Seal Housing , Input	2	
47	ALZFAG56	Oil Seal	6	
48	ALZFAG57	Driving Flange	1	
49	ALZFAG58	Washer	3	
50	ALZFAG59	Simmonds Nut	3	
51	ALZFAG60	Gasket For Speedometer Hsg	2	
52	ALZFAG61	Input Shaft Cover Rear (Aluminium)	1	
53	ALZFAG62	Layshaft	1	
54	ALZFAG63	Roller Brg.	2	
55	ALZFAG64	Distance Piece	1	
56	ALZFAG65	Spurgear (For 2.105 :1)	1	
57	ALZFAG66	Spacer	1	
60	ALZFAG67	Cover Plate	1	
61	ALZFAG68	Oil Seal Housing, Output Front	1	
62	ALZFAG69	Shims - 0,002 In	AR	
62	ALZFAG70	Shims - 0,005 In	AR	
62	ALZFAG71	Shims - 0,010 In	AR	
62	ALZFAG72	Shims - 0,020 In	AR	
62	ALZFAG73	Shims - 0,002 In	AR	
62	ALZFAG74	Shims - 0,005 In	AR	
62	ALZFAG75	Shims - 0,010 In	AR	
62	ALZFAG76	Shims - 0,020 In	AR	
63	ALZFAG77	Distance Piece	1	
64	ALZFAG78	Ball Bearing - Skf 6210	2	
65	ALZFAG79	Circlip 90 MM Dia Internal	2	
66	ALZFAG80	Spacer	1	
67	ALZFAG81	Oil Flanger	1	
68	ALZFAG82	Output Shaft Front	1	
69	ALZFAG83	Distance Piece	1	
70	ALZFAG84	Fixed Dog Clutch	1	
71	ALZFAG85	Distance Washer	1	
72	ALZFAG86	Circlip 35 MM Dia External	1	
73	ALZFAG87	Spig07 Bearing	1	
74	ALZFAG88	Needle Roller Bearing	1	
75	ALZFAG89	Output Shaft Rar	1	
77	ALZFAG90	Distance Piece	1	
78	ALZFAG91	Speedometer Housing	1	
79	ALZFAG92	Roller Brg.	1	
80	ALZFAG93	Distance Piece	1	
81	ALZFAG94	Gear Speedometer	1	



ASSY. OF AUXILLARY GEAR BOX.

ECEL HK-17 CRANE

PARTS CATALOGUE

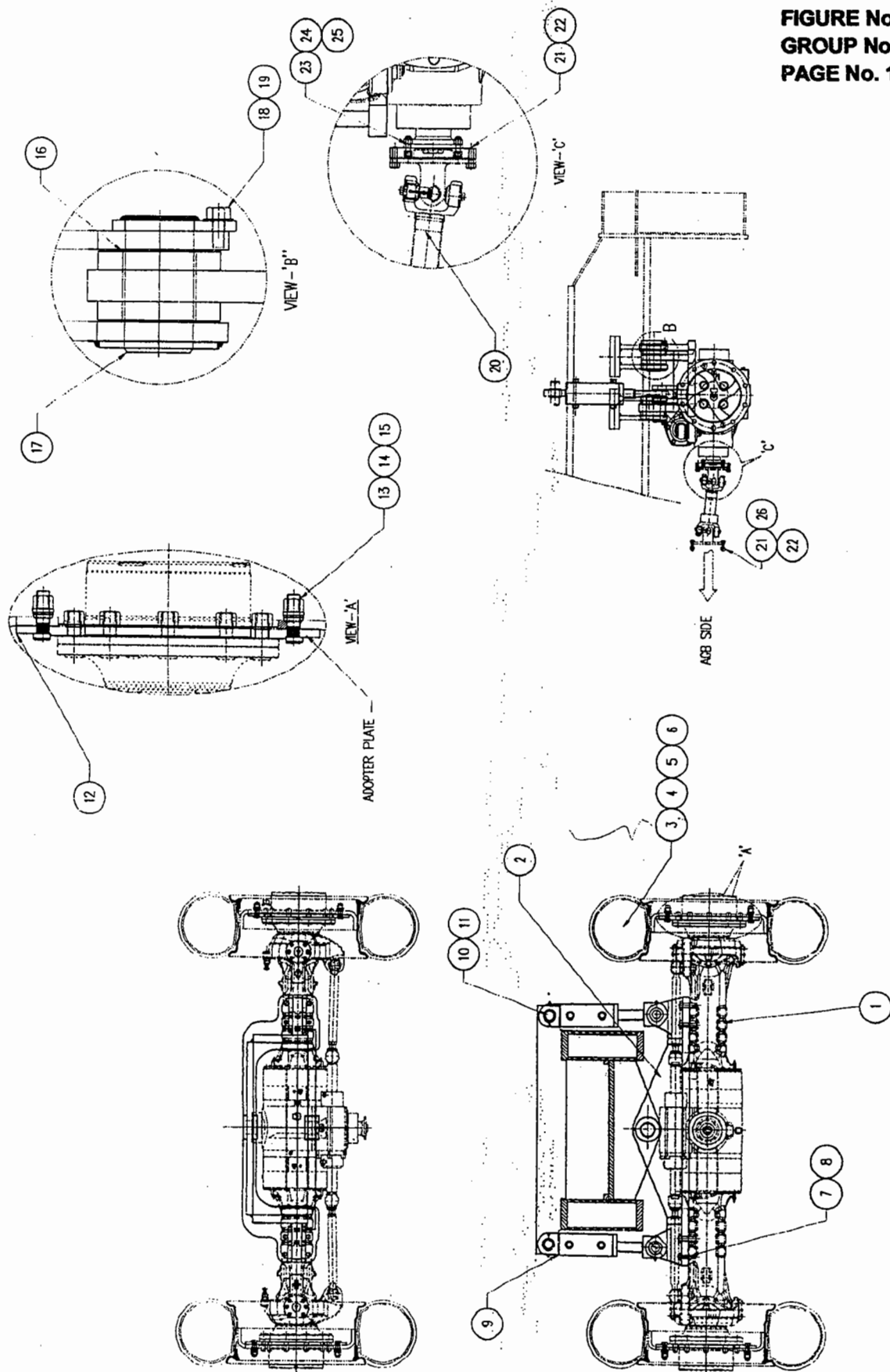
ISSUE	FIGURE No. 2	AUXILLARY GEAR BOX	GROUP 3	PAGE 8
01				
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Assy. Of Auxillary Gear Box PP10409		
82	ALZFAG95	Oil Seal (Viton)	1	
83	ALZFAG96	Oil Seal Ring	1	
84	ALZFAG97	Driving Flange	1	
86	ALZFAG98	Drivng Spindle Brkt. Speedo Pinion Bush	1	
87	ALZFAG99	Driving Spindle Speedo-Meter Pinion	1	
88	ALZFAG100	Distance Washer On Spindle	1	
89	ALZFAG101	Rivet - Change Wheel To Spindle	1	
90	ALZFAG102	Joint	2	
91	ALZFAG103	Instrument Drive Housing	1	
91A	ALZFAG104	Change Wheel On Driving Spindle	1	
91B	ALZFAG105	Change Wheel On Driving Spindle	1	
91C	ALZFAG106	Speedo Drive Kit	1	
	ALZFAG107	Speedo Cable - 2 Piece	1	
92	ALZFAG108	Stud M6 x 1.00	4	
92	ALZFAG109	Stud With Sealing Hole For Army Vehicles	1	
93	ALZFAG110	kolok Washer 6MM Dia	4	
94	ALZFAG111	Nut M6 x 1.00	4	
	ALZFAG112	Plug	1	
	ALZFAG113	Washer	1	
	ALZFAG114	Pin-Control Lever To Front Wheel Drive Spindle	1	

**AXLE ASSY.
FRONT**

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GROUP No. 4

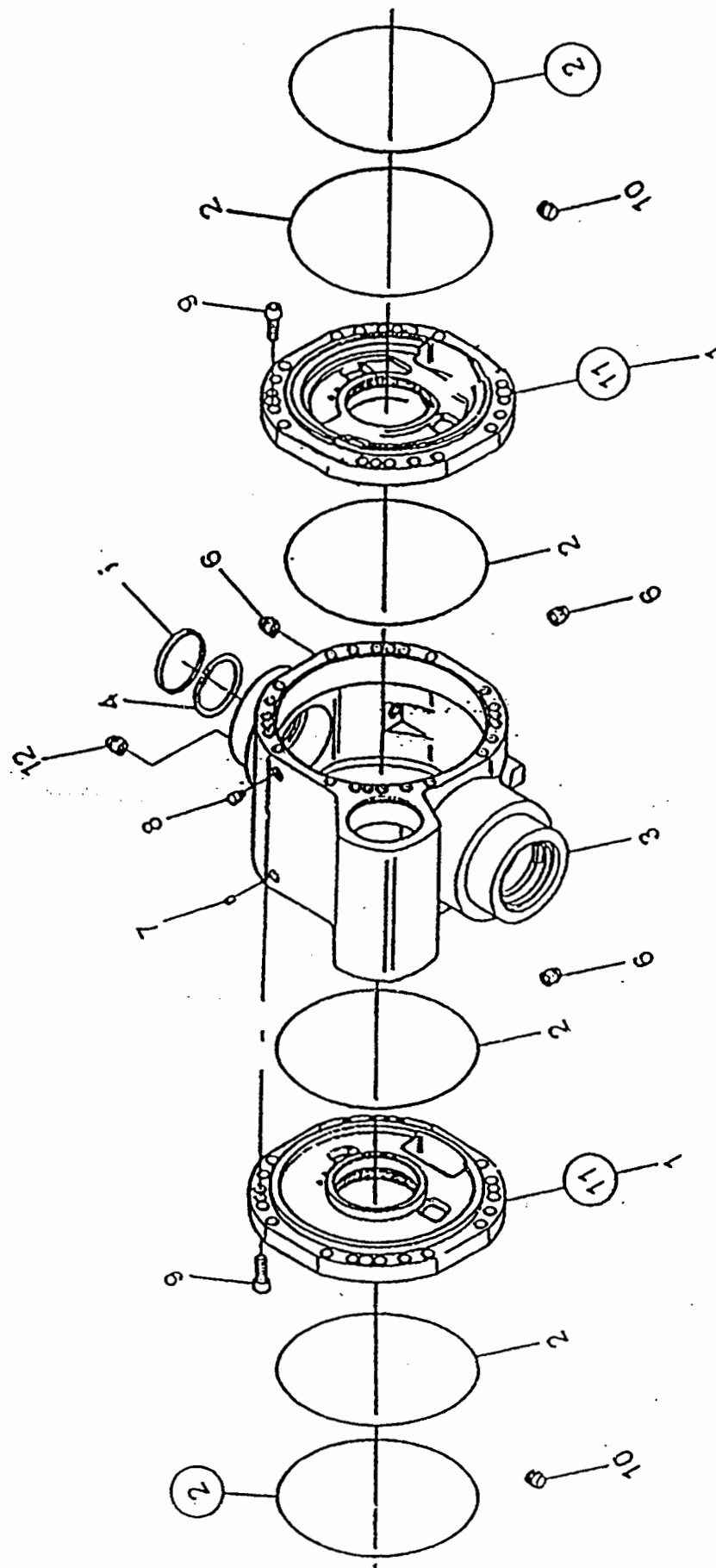
DESCRIPTION	FIGURE No.	PAGE No.
FRONT AXLE INSTALLTION	1	1 TO 2
CENTRAL HOUSING	2	3 TO 4
DIFFERNTIAL	3	5 TO 6
HUB REDUCTION	4	7 TO 10
BRAKES	5	11 TO 12
STEERING	6	13 TO 14
TRUNION	7	15 TO 16



FRONT AXLE INSTALLATION

ECEL HK-17 CRANE**PARTS CATALOGUE**

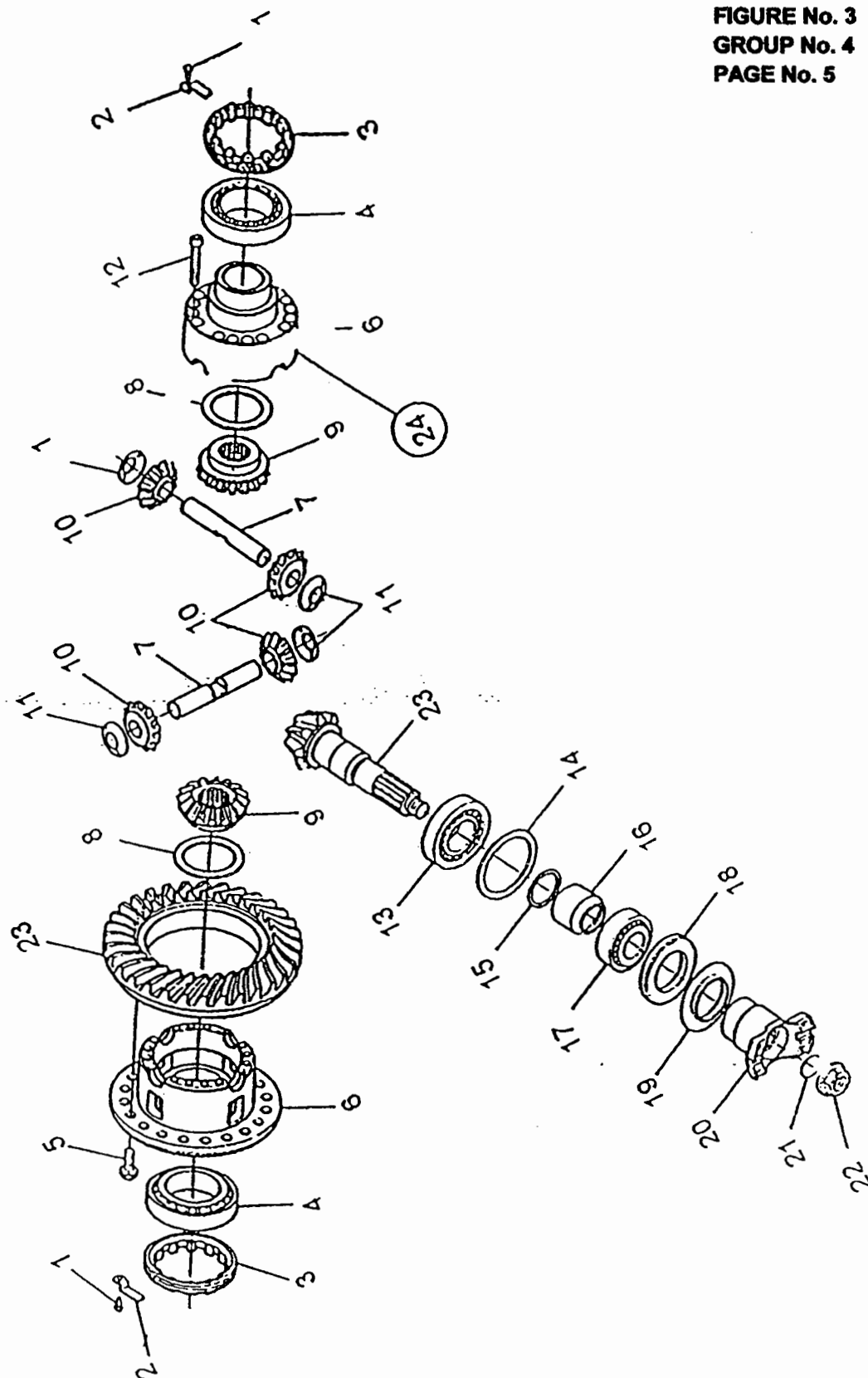
ISSUE	FIGURE NO. 1	FRONT AXLE	GROUP 4	PAGE 2
01				
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Front Axle Installation -28-A-1-064		
1	PP11533	Front Axle	1	
2	28F1094	Cradle Fabrication	1	
3	28C1289	Rim	2	
4	V12.17.009.0	Tyre	2	
5	V12.17.007.0	Tube	2	
6	V12.17.008.0	Flapper	2	
7	B1.20X80	Hex Screw	8	
8	W2.20	Spring Washer	8	
9	94019-060	Stability Cylinder	2	
10	33170-142	Pin	4	
11	95901-257	Split Pin	8	
12	28A1057	Aadopter Plate Assy.	2	
13	PP10546	Nut	24	
14	28C1250	Special Washer	24	
15	28C1251	Special Washer	24	
16	PP11082	Bush (Glacier)	2	
17	28F1030	Pivot Pin Fabrication	2	
18	S1.12X1.75X20	Screw Hex	2	
19	W2.12	Spring Washer	2	
20	28C1320	Prop Shaft	1	
21	B1.10X40 - 10.9	Hex Bolt	16	
22	W2.10	Spring Washer	16	
23	S8.12.X40-10.9	Allen Screw	8	
24	N6.12	Nut Nylock	8	
25	28M1087	adopter plate	1	
26	N1.10	Nut Hex	8	
*	SDR-2473.000	Seal Kit Stability Cylinder	1	



CENTRAL HOUSING

ECEL HK-17 CRANE**PARTS CATALOGUE**

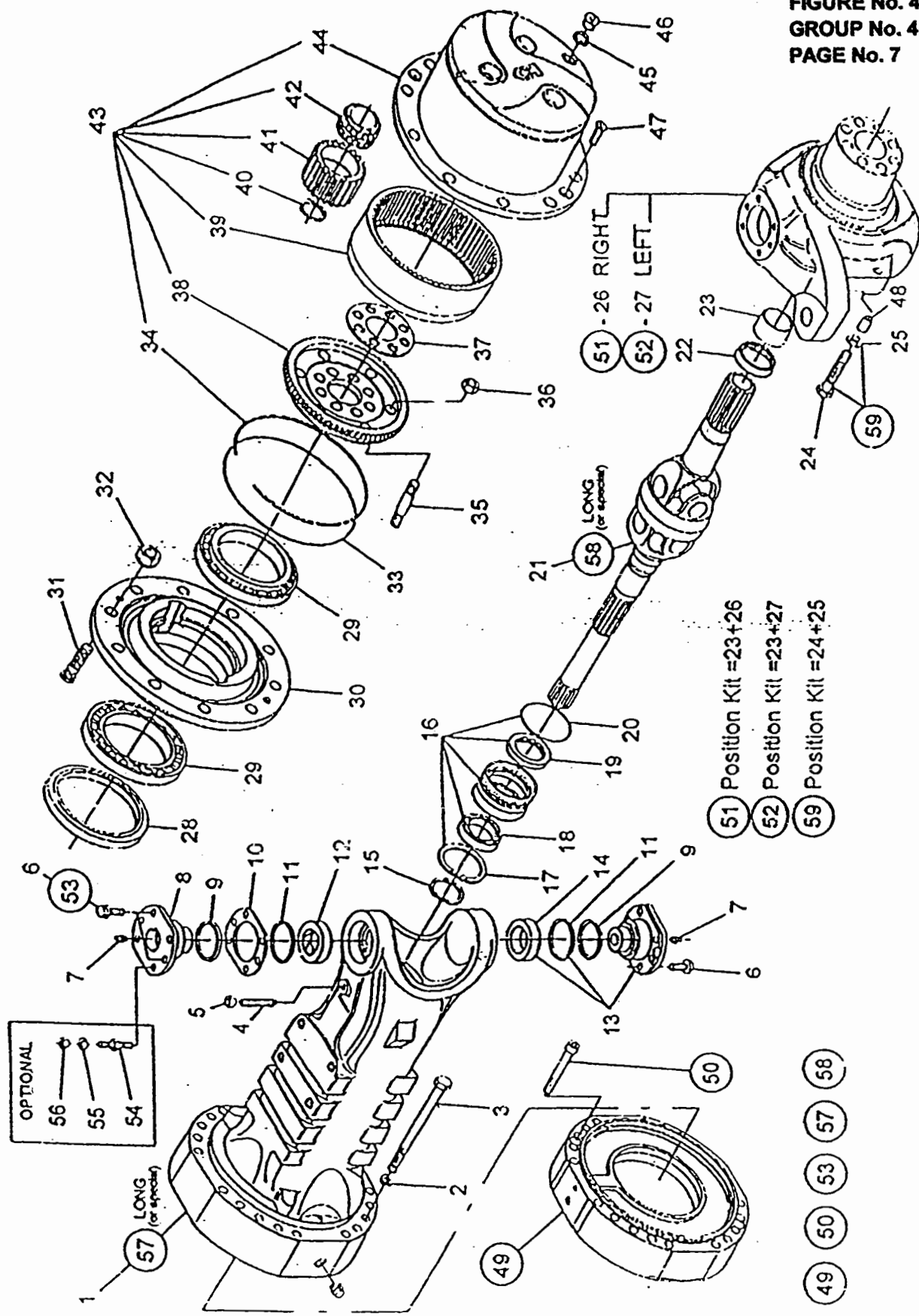
ISSUE 01	FIGURE No. 2	FRONT AXLE	GROUP 4	PAGE 4
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Central Housing - 213.01.0001		
1	113.01.003.02	Intermediate Cover	2	
2	001.05.2945	O Ring	4	
3	213.01.001.04	Housing	1	
4	002.02.0088	Circlip	1	
5	171.01.015.04	Plug	1	
6	819.01.610.01	Magnetic Plug	3	
7	016.14.1138	Plug	3	
8	702.01.003.01	Vent	1	
9	016.04.0429	Cylinder Bolt	4	
10	808.01.017.01	Plug	2	
11				
12	112.01.610.01	Plug	1	



DIFFERENTIAL

ECEL HK-17 CRANE**PARTS CATALOGUE**

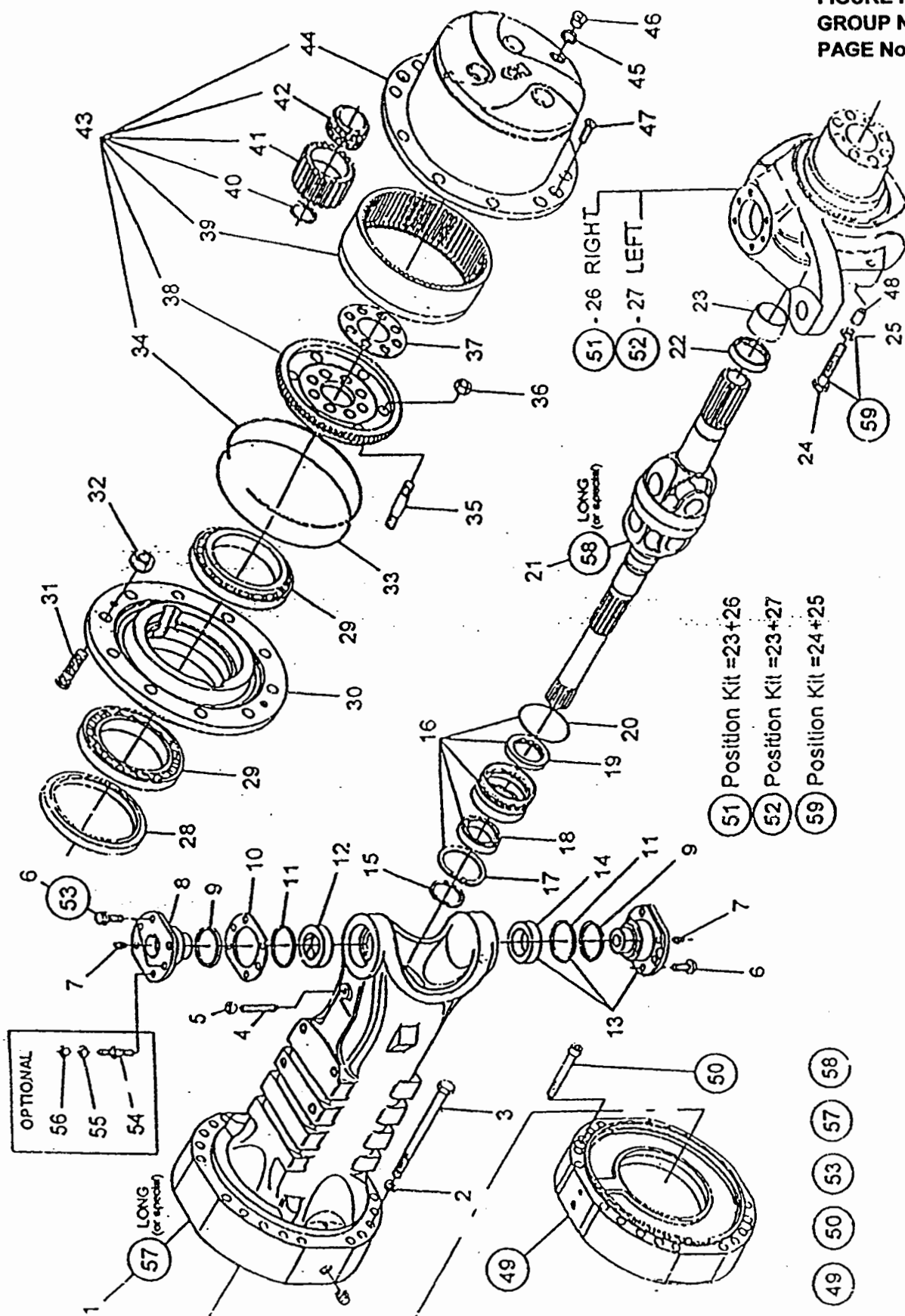
ISSUE 01	FIGURE No. 3	FRONT AXLE	GROUP 4	PAGE 6
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Differential -213.04.0001		
1	016.01.0367	Hexagon Bolt	2	
2	176.04.049.01	Locking Plate	2	
3	176.04.009.02	Ring Nut	2	
4	005.09.0762	Tapper Roller Bearing	2	
5	016.28.3390	Bolt	20	
6	113.04.702.03	Differntial	1	
7	113.04.004.01	Pin	2	
8	734.04.010.01	Friction Washer	2	
9	734.04.005.02	Differential Side Gear	2	
10	734.04.007.02	Differntial Pinion	4	
11	734.04.009.01	Friction Washer	15	
12	016.17.3389	Bolt	1	
13	005.10.1457	Tapper Roller Bearing	1	
14	013.01.0320	Shim	1	
	013.01.0321	Shim	1	
	013.01.0322	Shim	1	
	013.01.1201	Shim	1	
15	013.01.3280	Shim	1	
	013.01.3281	Shim	1	
	013.01.3282	Shim	1	
	013.01.3283	Shim	1	
	013.01.3284	Shim	1	
16	113.04.014.01	Spacer	1	
17	005.09.0831	Tapper Roller Bearing	1	
18	001.13.1234	Seal	1	
19	276.01.005.01	Cover Plate	1	
20	734.04.013.09	Flange	1	
21	001.05.0818	O Ring	1	
22	734.04.035.01	Nut	1	
23	113.04.500.02	Bevel Gear Set	1	
24	113.04.751.03	Differential	1	



HUB REDUCTION

ECEL HK-17 CRANE**PARTS CATALOGUE**

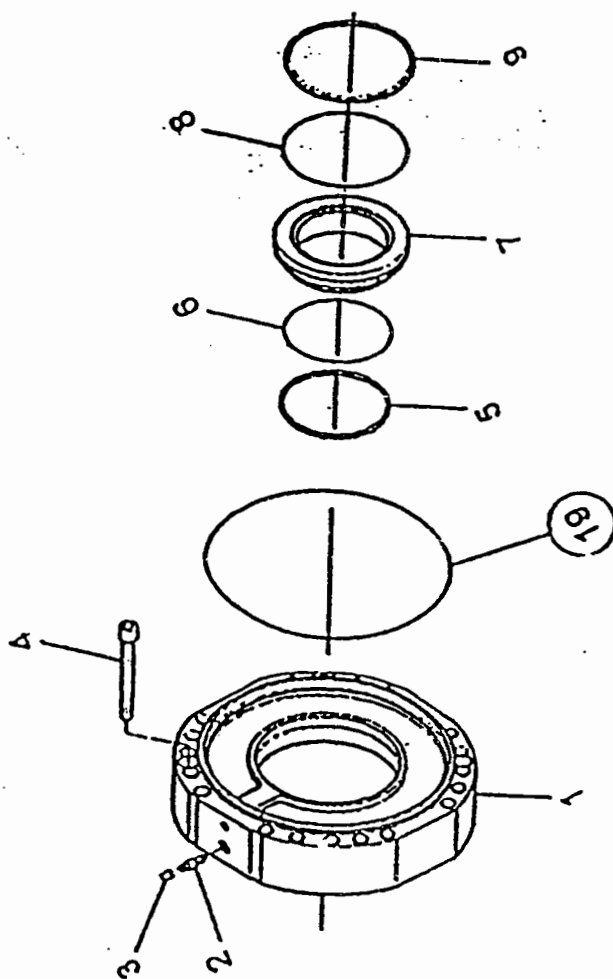
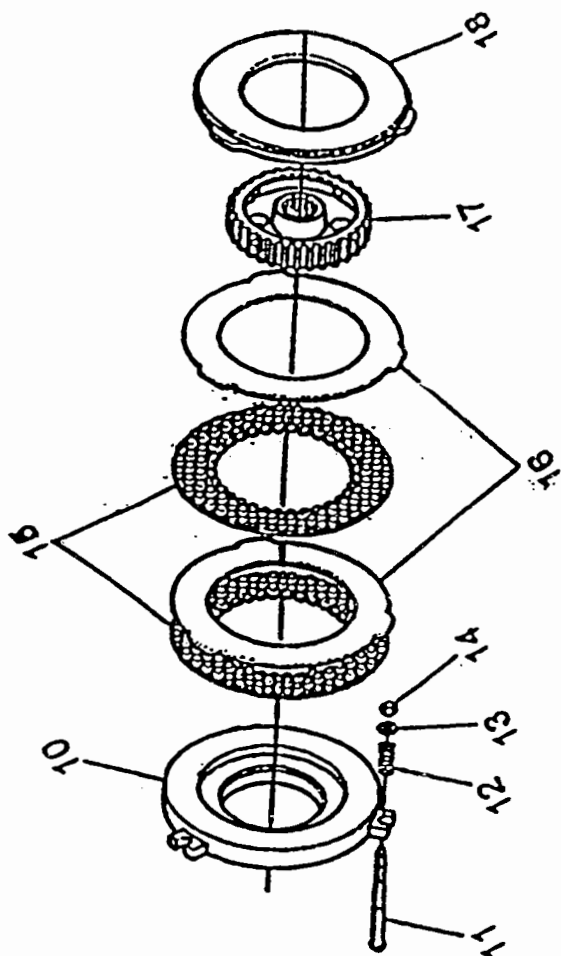
ISSUE 01	FIGURE No. 4	FRONT AXLE	GROUP 4	PAGE 8
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Hub Reduction - 213-06-0001		
1	213.06.001.02	Axle Case	2	
2				
3	112.06.070.07	Bolt	40	
4	016.13.3392	Bolt	2	
5	006.03.0197	Nut	2	
6	016.28.3390	Bolt	24	
7	008.01.0213	Grease Fitting	4	
8	213.06.007.03	Pivot Pin	2	
9				
10	212.06.026.01	Shim	2	
	212.06.026.02	Shim	2	
	212.06.026.03	Shim	2	
11	213.06.006.03	Dust Excluder	2	
12	290.06.015.02	Bushing	8	
13	213.06.701.03	Pivot Pin	4	
14	290.06.016.01	Bearing	4	
15	002.01.0078	Circlip	8	
16	212.06.700.01	Reduction Bushing	8	
17	002.02.0088	Circlip	1	
18	005.01.0121	Ball Bearing	2	
19	729.06.009.01	Seal	2	
20	001.05.1389	O Ring	2	
21	213.06.610.05	Joint	2	
22	213.06.015.01	Seal	2	
23	290.06.020.03	Thrust Bushing	1	
24	213.06.011.01	Bolt	4	
25	006.05.1521	Nut	4	
26	213.06.010.01	Steering Case	1	
27	213.06.009.01	Steering Case	1	
28	123.06.016.01	Seal	2	
29	005.10.1427	Tapper Roller Bearing	4	
30	213.06.004.01	Wheel Hub	2	
31	932.06.074.01	Wheel Stud	20	
32	006.08.2833	Wheel Nut	20	
33	001.05.1119	O Ring	2	
34	290.06.014.02	Circlip	2	
35	176.06.065.01	Stud	16	
36	006.04.3036	Nut	16	
37	113.06.007.01	Locking Plate	2	
38	113.06.008.01	Ring Gear Support	2	
39	290.06.010.02	Ring Gear	2	
40	002.14.3202	Seal	8	
41	290.06.011.02	Planet Gear	8	
42	290.06.013.03	Bearing	8	
43	213.06.710.02	Planet Gear Carrier	2	
44	194.06.003.01	Planet Gear Carrier	2	



HUB REDUCTION

ECEL HK-17 CRANE**PARTS CATALOGUE**

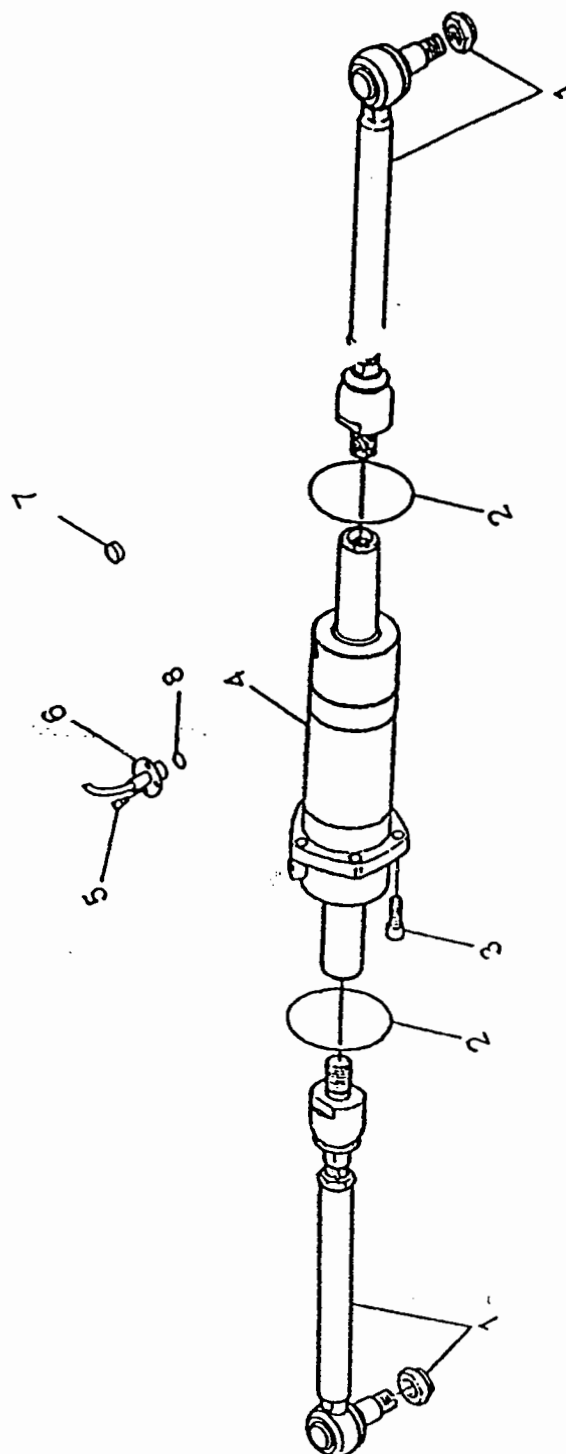
ISSUE 01	FIGURE No. 4	FRONT AXLE	GROUP 4	PAGE 10
S.NO.	PART No.	DESCRIPTION Hub Reduction - 213-06-0001	QUANTITY	NOTE
45				
46	112.01.610.01	Plug	2	
47	016.06.0442	Countersunk Bolt	4	
48				
49				
50				
51	213.06.720.01	Steering Case	1	
52	213.06.719.01	Steering Case	1	
53				
54				
55				
56				
57				
58				
59	213.06.711.01	Steering Adjust Bolt	4	



BRAKES

ECEL HK-17 CRANE**PARTS CATALOGUE**

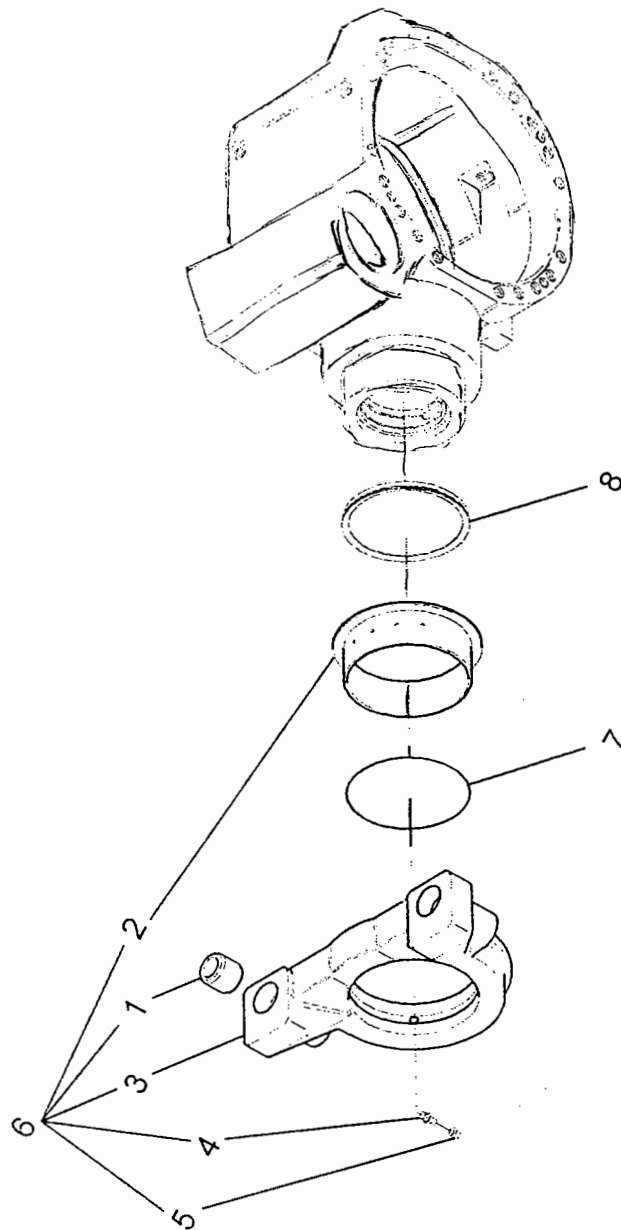
ISSUE 01	FIGURE No. 5	FRONT AXLE	GROUP 4	PAGE 12
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Brakes - 213.07.0002		
1	113.01.005.01	Intermediate Cover	2	
2	734.07.014.02	Bleeding Bolt	2	
3	734.07.015.1	Plug	2	
4	016.04.0433	Cylinder Bolt	4	
5	111.07.004.01	Back Up Ring	2	
6	111.07.005.01	Seal	2	
7	113.07.002.01	Piston	2	
8	112.07.024.01	O Ring	2	
9	355.14.048.01	Back Up Ring	2	
10	113.07.005.02	Intermediate Brake Disc	2	
11	113.07.011.01	Adjusting Bolt	6	
12	176.07.006.01	Spring	6	
13	011.13.1368	Washer	6	
14	006.04.1430	Nut	6	
15	154.07.610.06	Brake Disc	6	
16	154.07.001.01	Intermediate Brake Disc	6	
17	113.07.008.01	Selector	2	
18	113.07.007.01	Intermediate Brake Disc	2	
19	001.05.2945	O Ring	2	



STEERING

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 6	FRONT AXLE	GROUP 4	PAGE 14
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Steering - 213.24.0001		
1	213.24.621.08	Articulated Tie Rod	2	
2	001.05.1629	O Ring	2	
3	016.04.0429	Cylinder Bolt	5	
4	213.24.620.06	Cylinder Bolt	1	
5	016.08.2069	Bolt	3	
6			1	
7	015.01.0360	Plug		
-	SPR-2363.000	Seal Kit	1	



TRUNION

ECEL HK-17 CRANE

PARTS CATALOGUE

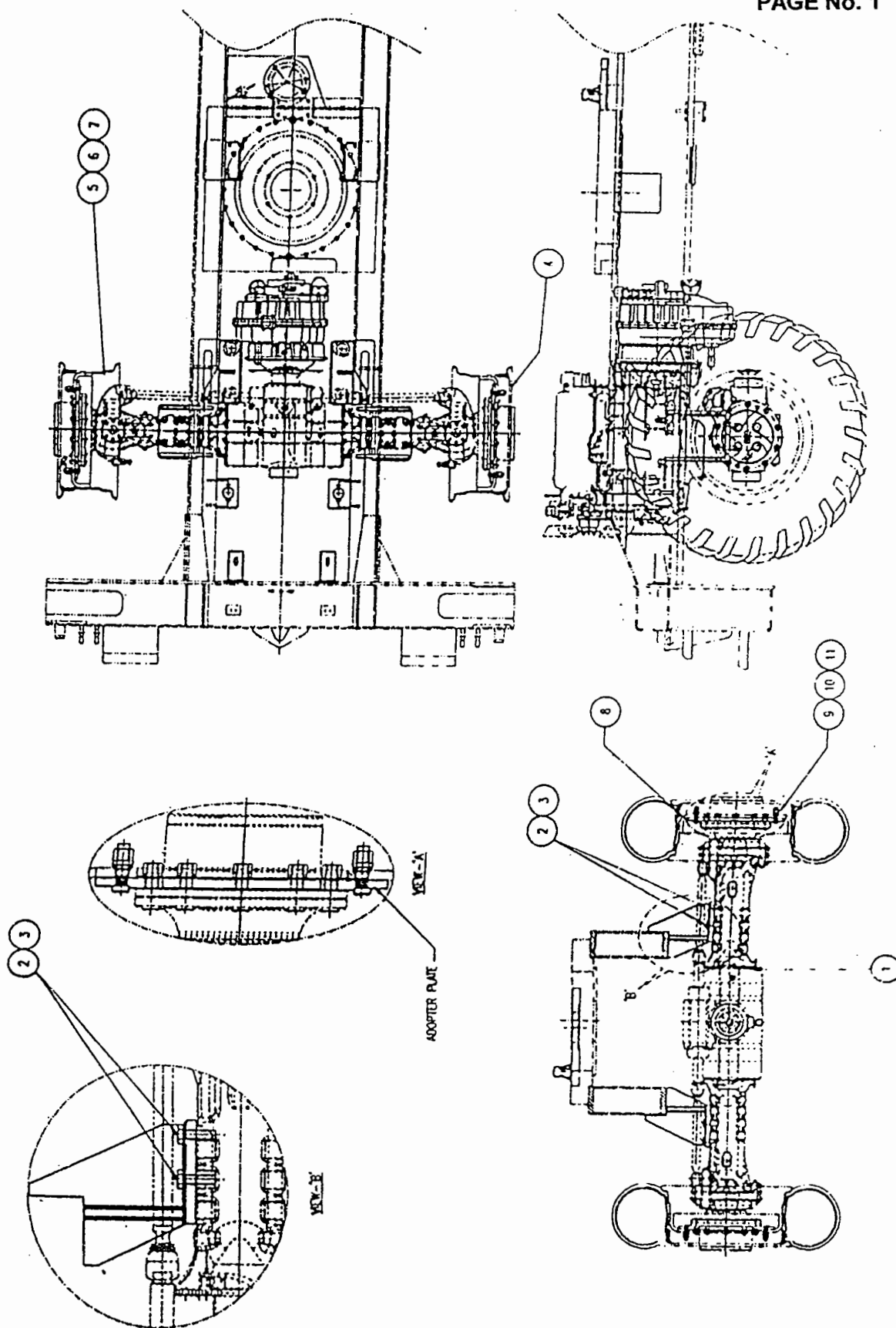
ISSUE 01	FIGURE No. 7	FRONT AXLE	GROUP 4	PAGE 16
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Trunion - 213.25.001		
1	276.25.002.02	Bush	4	
2	276.25.003.01	Thrust Bearing	2	
3	213.25.007.01	Support	2	
4	008.01.0213	Grease Fitting	2	
5	734.07.015.01	Plug	2	
6	213.25.612.01	Support	2	

**AXLE ASSY.
REAR**

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GROUP No. 5

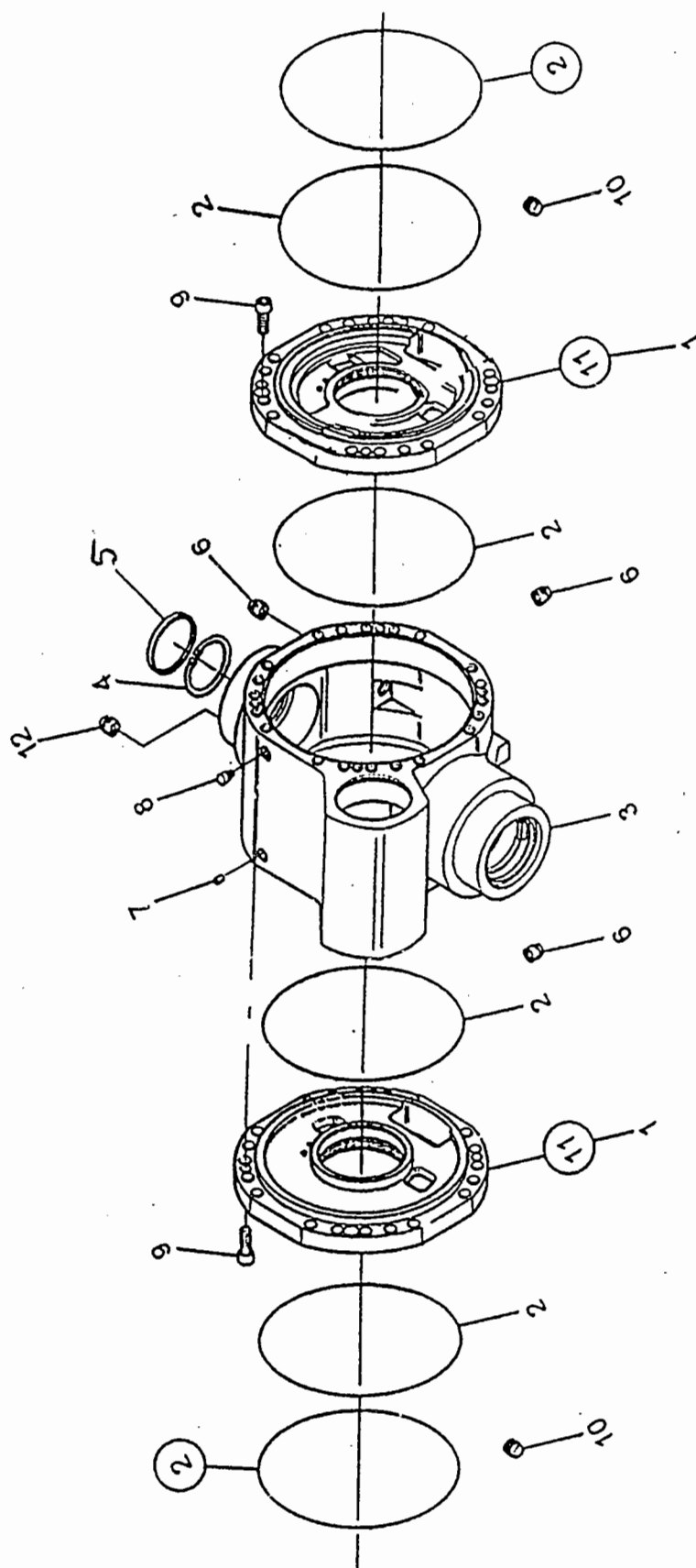
DESCRIPTION	FIGURE No.	PAGE No.
REAR AXLE INSTALLATION	1	1 TO 2
CENTRAL HOUSING	2	3 TO 4
DIFFERENTIAL	3	5 TO 6
HUB REDUCTION	4	7 TO 10
BRAKES	5	11 TO 12
STEERING	6	13 TO 14



REAR AXLE INSTALLATION

ECEL HK-17 CRANE**PARTS CATALOGUE**

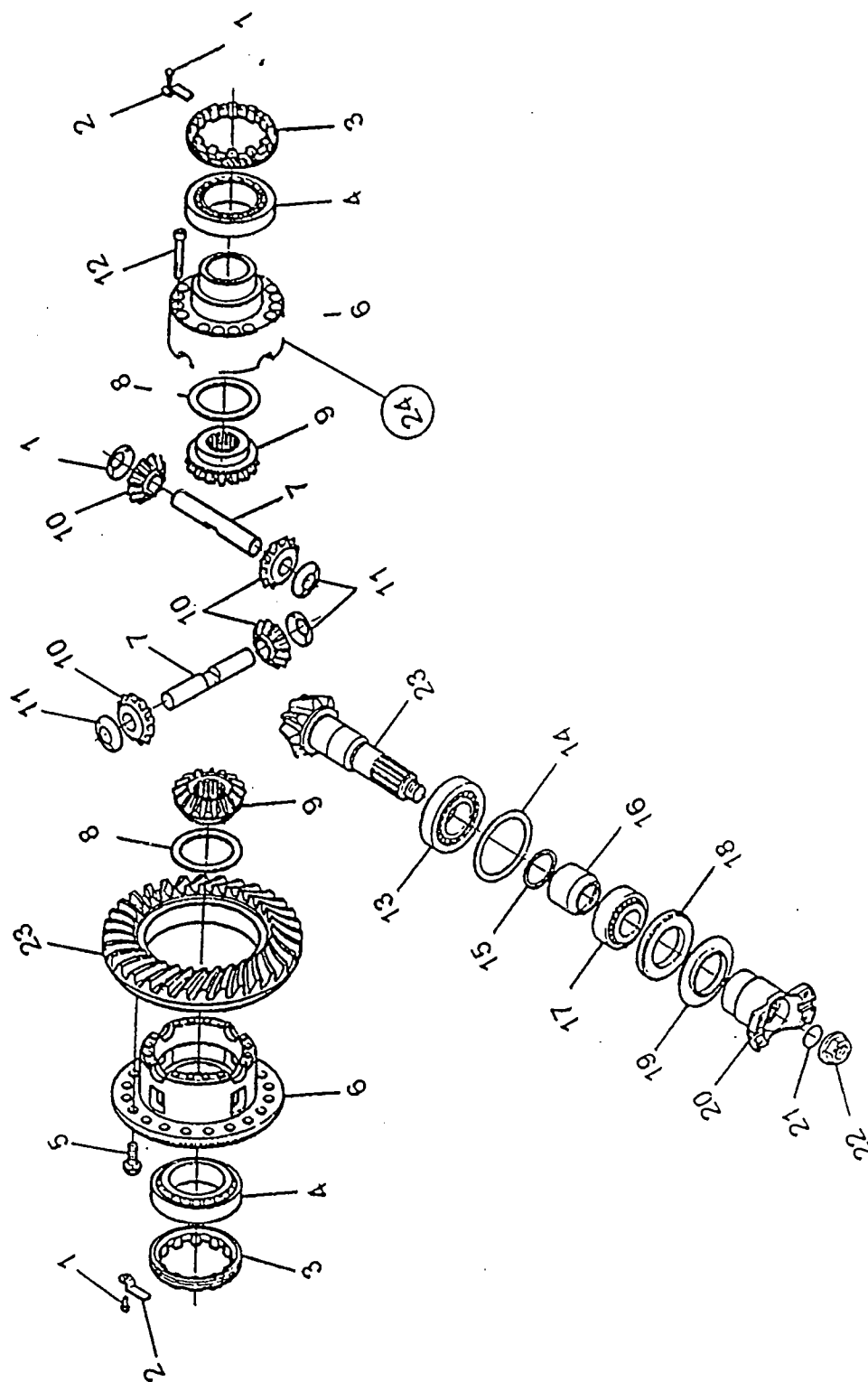
ISSUE 01	FIGURE No. 1	REAR AXLE	GROUP 5	PAGE 2
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Rear Axle Installation - 28-A-1-055		
1	PP11554	Rear Axle Assy.	1	
2	S1.20X65-12.8G	Hex Screw	8	
3	W2.20	Spring Washer	8	
4	28C1289B	Rim	2	
5	V12.17.009.0	Tyre	2	
6	V12.17.007.0	Tube	2	
7	V12.17.008.0	Flapper	2	
8	28A1057	Adopter Plate Assy.	2	
9	PP10456	Nut	24	
10	28C1250	Special Washer	24	
11	28C1251	Special Washer	24	



CENTRAL HOUSING

ECEL HK-17 CRANE**PARTS CATALOGUE**

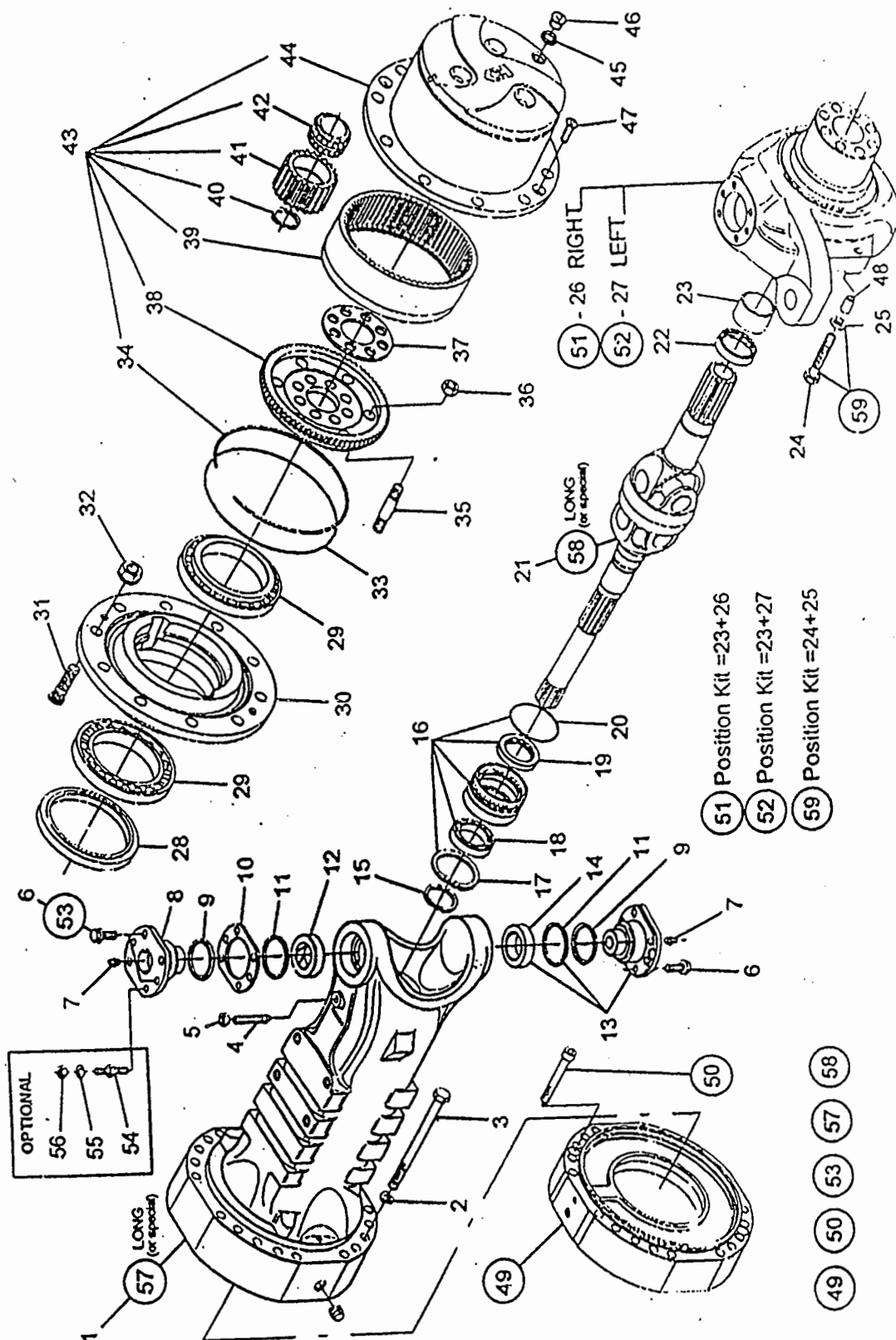
ISSUE 01	FIGURE No. 2	REAR AXLE	GROUP 5	PAGE 4
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Central Housing - 213.01.0001		
1	113.01.003.02	Intermediate Cover	2	
2	001.05.2945	O Ring	4	
3	213.01.001.04	Housing	1	
4	002.02.0088	Circlip	1	
5	171.01.015.04	Plug	1	
6	819.01.610.01	Magnetic Plug	3	
7	016.14.1138	Plug	3	
8	702.01.003.01	Vent	1	
9	016.04.0429	Cylinder Bolt	4	
10	808.01.017.01	Plug	2	
11				
12	112.01.610.01	Plug	1	



DIFFERENTIAL

ECEL HK-17 CRANE**PARTS CATALOGUE**

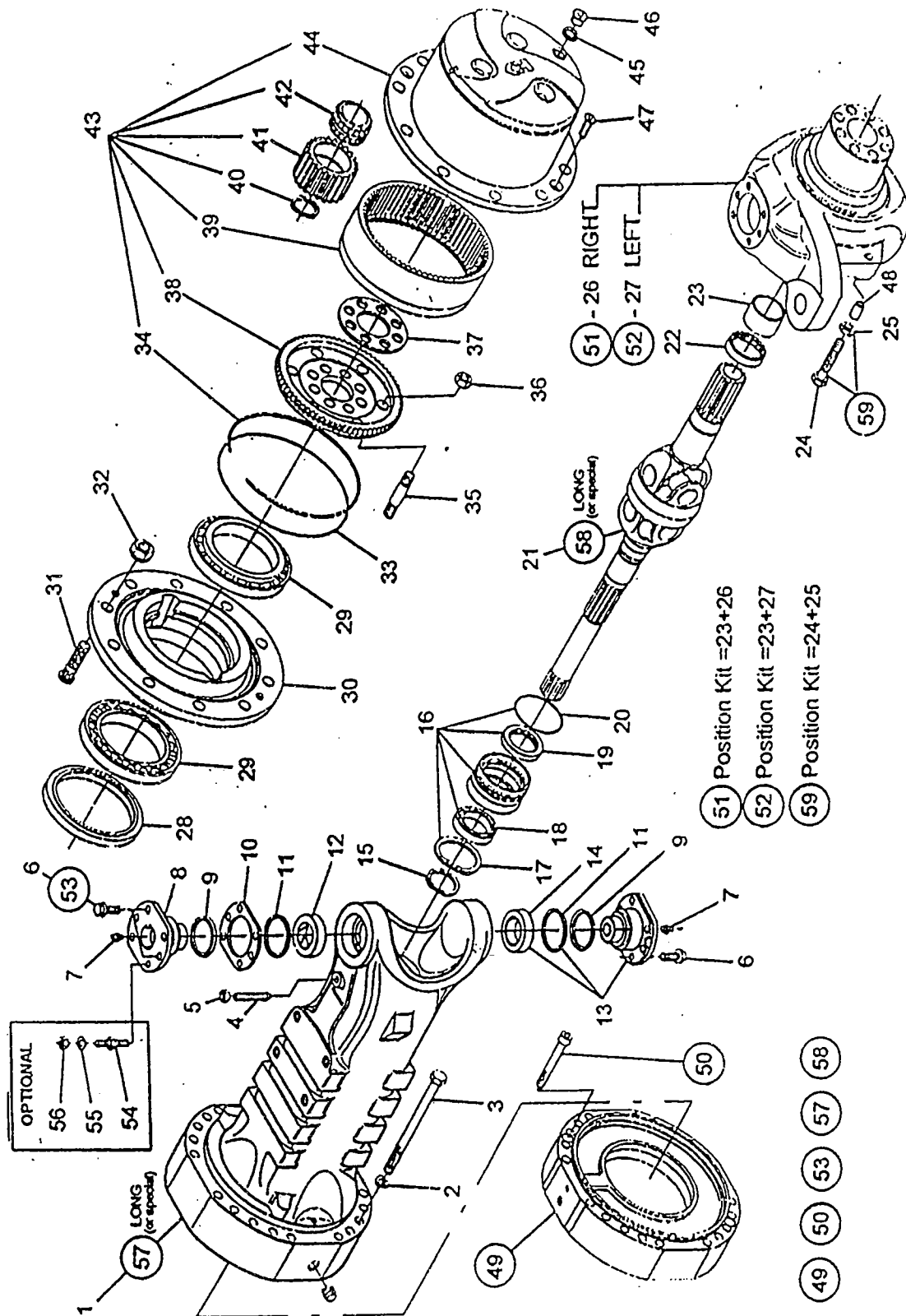
ISSUE 01	FIGURE No. 3	REAR AXLE	GROUP 5	PAGE 6
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Differential -213.04.0001		
1	016.01.0367	Hexagon Bolt	2	
2	176.04.049.01	Locking Plate	2	
3	176.04.009.02	Ring Nut	2	
4	005.09.0762	Tapper Roller Bearing	2	
5	016.28.3390	Bolt	20	
6	113.04.702.03	Differential	1	
7	113.04.004.01	Pin	2	
8	734.04.010.01	Friction Washer	2	
9	734.04.005.02	Differential Side Gear	2	
10	734.04.007.02	Differential Pinion	4	
11	734.04.009.01	Friction Washer	15	
12	016.17.3389	Bolt	1	
13	005.10.1457	Tapper Roller Bearing	1	
14	013.01.0320	Shim	1	
	013.01.0321	Shim	1	
	013.01.0322	Shim	1	
	013.01.1201	Shim	1	
15	013.01.3280	Shim	1	
	013.01.3281	Shim	1	
	013.01.3282	Shim	1	
	013.01.3283	Shim	1	
	013.01.3284	Shim	1	
16	113.04.014.01	Spacer	1	
17	005.09.0831	Tapper Roller Bearing	1	
18	001.13.1234	Seal	1	
19	276.01.005.01	Cover Plate	1	
20	734.04.013.09	Flange	1	
21	001.05.0818	O Ring	1	
22	734.04.035.01	Nut	1	
23	113.04.500.02	Bevel Gear Set	1	
24	113.04.751.03	Differential	1	



HUB REDUCTION

ECEL HK-17 CRANE**PARTS CATALOGUE**

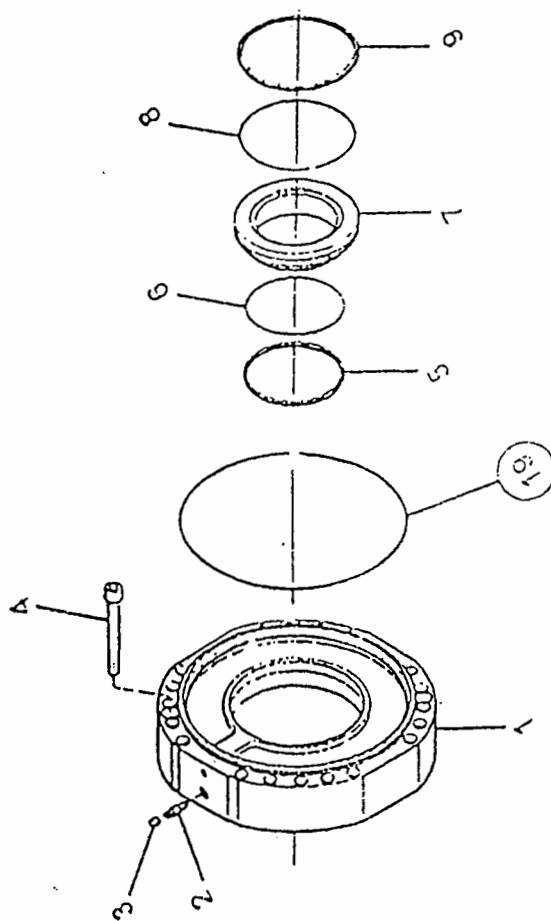
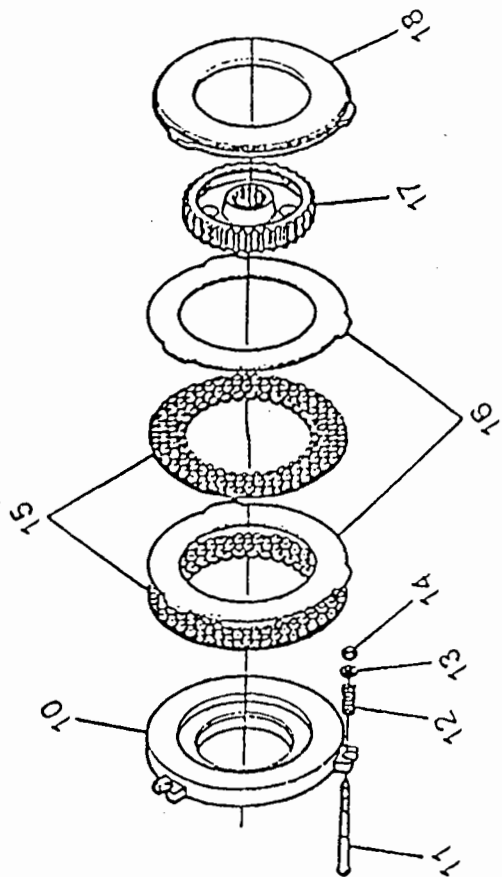
ISSUE 01	FIGURE No. 4	REAR AXLE	GROUP 5	PAGE 8
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Hub Reduction - 213-06-0001		
1	213.06.001.02	Axle Case	2	
2				
3	112.06.070.07	Bolt	40	
4	016.13.3392	Bolt	2	
5	006.03.0197	Nut	2	
6	016.28.3390	Bolt	24	
7	008.01.0213	Grease Fitting	4	
8	213.06.007.03	Pivot Pin	2	
9				
10	212.06.026.01	Shim	2	
	212.06.026.02	Shim	2	
	212.06.026.03	Shim	2	
11	213.06.006.03	Dust Excluder	2	
12	290.06.015.02	Bushing	8	
13	213.06.701.03	Pivot Pin	4	
14	290.06.016.01	Bearing	4	
15	002.01.0078	Circlip	8	
16	212.06.700.01	Reduction Bushing	8	
17	002.02.0088	Circlip	1	
18	005.01.0121	Ball Bearing	2	
19	729.06.009.01	Seal	2	
20	001.05.1389	O Ring	2	
21	213.06.610.05	Joint	2	
22	213.06.015.01	Seal	2	
23	290.06.020.03	Thrust Bushing	1	
24	213.06.011.01	Bolt	4	
25	006.05.1521	Nut	4	
26	213.06.010.01	Steering Case	1	
27	213.06.009.01	Steering Case	1	
28	123.06.016.01	Seal	2	
29	005.10.1427	Tapper Roller Bearing	4	
30	213.06.004.01	Wheel Hub	2	
31	932.06.074.01	Wheel Stud	20	
32	006.08.2833	Wheel Nut	20	
33	001.05.1119	O Ring	2	
34	290.06.014.02	Circlip	2	
35	176.06.065.01	Stud	16	
36	006.04.3036	Nut	16	
37	113.06.007.01	Locking Plate	2	
38	113.06.008.01	Ring Gear Support	2	
39	290.06.010.02	Ring Gear	2	
40	002.14.3202	Seal	8	
41	290.06.011.02	Planet Gear	8	
42	290.06.013.03	Bearing	8	
43	213.06.710.02	Planet Gear Carrier	2	
44	194.06.003.01	Planet Gear Carrier	2	



HUB REDUCTION

ECEL HK-17 CRANE**PARTS CATALOGUE**

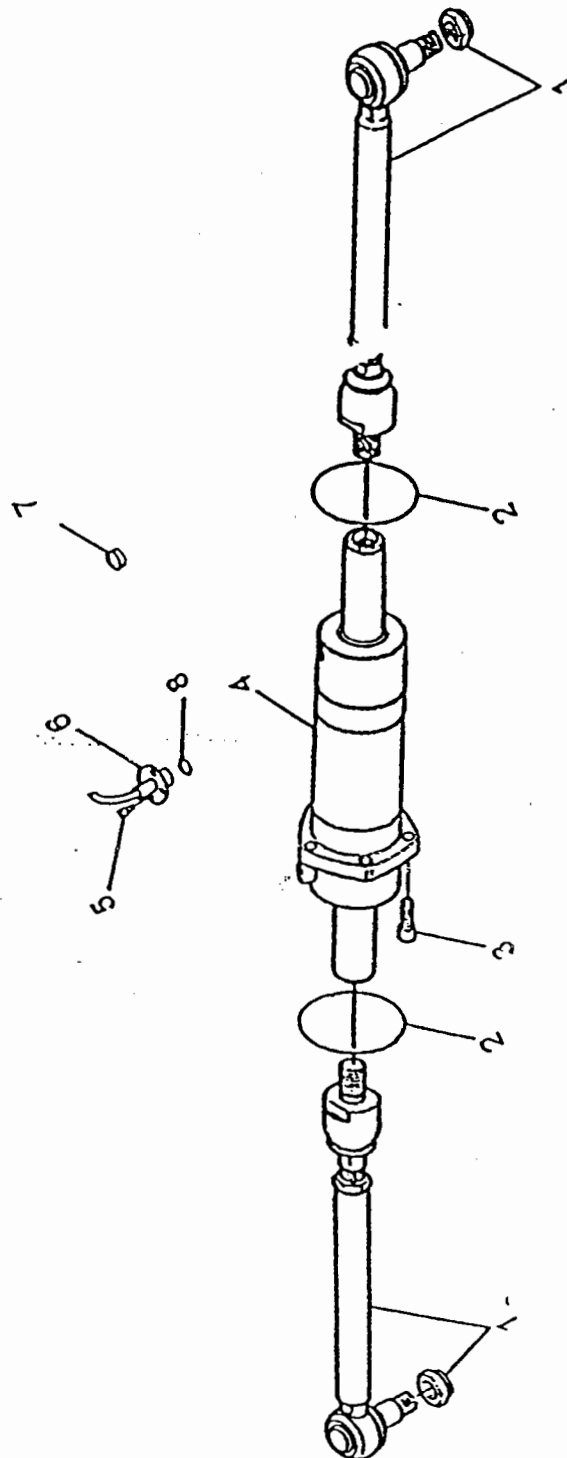
ISSUE 01	FIGURE No. 4	REAR AXLE	GROUP 5	PAGE 10
S.NO.	PART No.	DESCRIPTION Hub Reduction - 213-06-0001	QUANTITY	NOTE
45	_____			
46	112.01.610.01	Plug	2	
47	016.06.0442	Countersunk Bolt	4	
48	_____			
49	_____			
50	_____			
51	213.06.720.01	Steering Case	1	
52	213.06.719.01	Steering Case	1	
53	_____			
54	_____			
55	_____			
56	_____			
57	_____			
58	_____			
59	213.06.711.01	Steering Adjust Bolt	4	



BRAKES

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 5	REAR AXLE	GROUP 5	PAGE 12
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Brakes - 213.07.0002		
1	113.01.005.01	Intermediate Cover	2	
2	734.07.014.02	Bleeding Bolt	2	
3	734.07.015.1	Plug	2	
4	016.04.0433	Cylinder Bolt	4	
5	111.07.004.01	Back Up Ring	2	
6	111.07.005.01	Seal	2	
7	113.07.002.01	Piston	2	
8	112.07.024.01	O Ring	2	
9	355.14.048.01	Back Up Ring	2	
10	113.07.005.02	Intermediate Brake Disc	2	
11	113.07.011.01	Adjusting Bolt	6	
12	176.07.006.01	Spring	6	
13	011.13.1368	Washer	6	
14	006.04.1430	Nut	6	
15	154.07.610.06	Brake Disc	6	
16	154.07.001.01	Intermediate Brake Disc	6	
17	113.07.008.01	Selector	2	
18	113.07.007.01	Intermediate Brake Disc	2	
19	001.05.2945	O Ring	2	



STEERING

ECEL HK-17 CRANE**PARTS CATALOGUE**

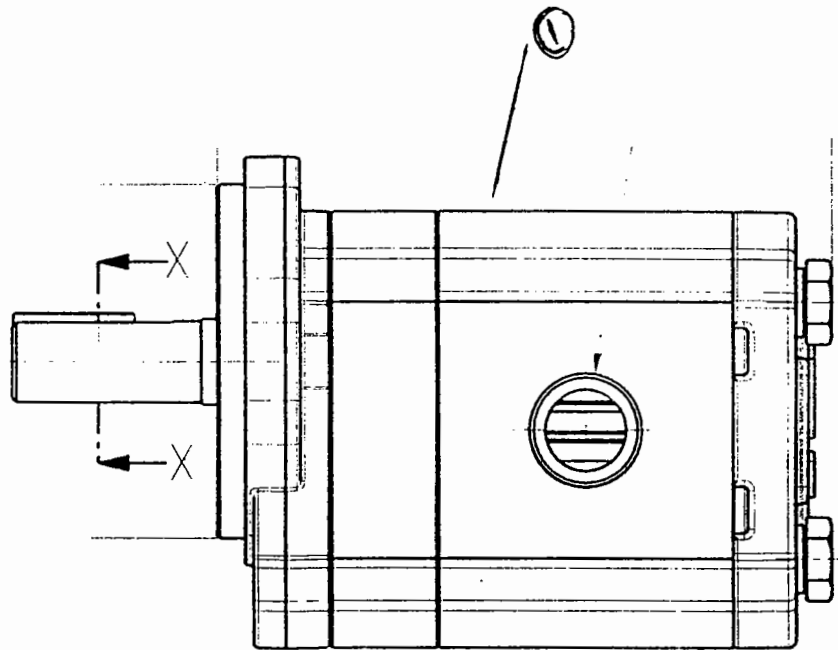
ISSUE 01	FIGURE NO. 6	REAR AXLE	GROUP 5	PAGE 14
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Steering -213.24.0001		
1	213.24.621.08	Articulated Tie Rod	2	
2	001.05.1629	O Ring	2	
3	016.04.0429	Cylinder Bolt	5	
4	213.24.620.06	Cylinder Bolt	1	
5	016.08.2069	Bolt	3	
6			1	
7	015.01.0360	Plug		
—	SPR-2363.000	Seal Kit	1	

STEERING SYSTEM

INDEX

GROUP No. 6

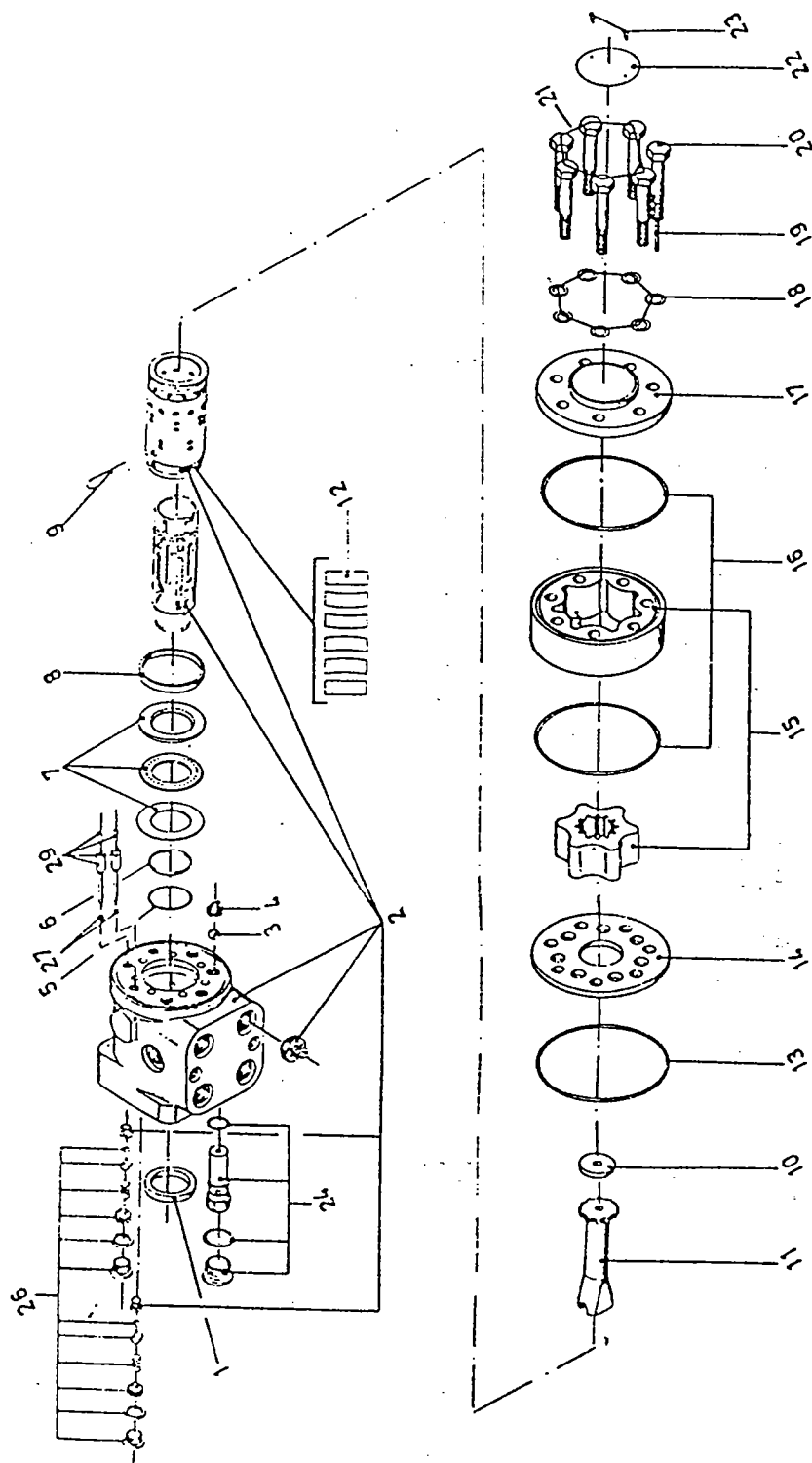
DESCRIPTION	FIGURE No.	PAGE No.
STG. PUMP	1	1 TO 2
STG. UNIT	2	3 TO 4



STEERING PUMP

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 1	STEERING	GROUP 6	PAGE 2
S.NO.	PART NO.	DESCRIPTION Steering Pump - V12.11.014.1	QUANTITY	NOTE
1	V12.11.014.1	Steering Pump	1	



STEERING UNIT

ECEL HK-17 CRANE**PARTS CATALOGUE**

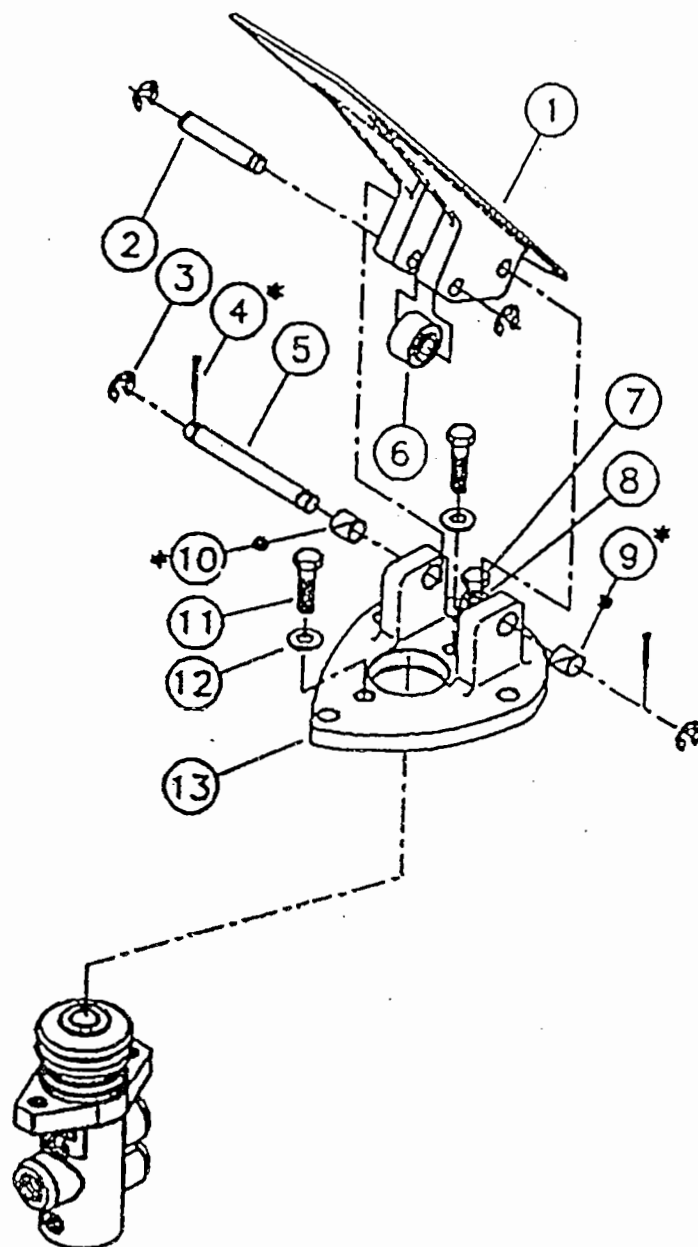
ISSUE 01	FIGURE NO. 2	STEERING	GROUP 6	PAGE 4
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Steering Unit - PP11748		
1 *	633B9002	Dust Seal Ring	1	< Not Serviced Separately
2	-----	Housing Spool & Sleeves	1	
3	689x1031	Ball	1	
4	150-0304	Bushing	1	
5 *	633B1205	"O" Ring	1	
6 *	633B9007	Kin Ring	1	
7	150-4262	Bearing Assy.	1	
8	150-0310	Ring	1	
9	150-0305	Cross Pin	1	
10	150-0441	Spacer	1	
11	150-0442	Cardon Shaft	1	
12	150-4209	Set Of Springs	1	
13 *	633B1202	"O" Ring	1	
14	150-0301	Distributor Plate	1	
15	150-4257	Gear Wheel set	1	
16 *	633B1173	"O" Ring	2	
17	150-0328	End Cover	1	
18 *	684x2481	Washer	7	
19	682L3058	Rolled Pin	1	
20	150-0325	Screw With Bore	1	
21	681x1582	Screw	6	
22	150A0000	Name Plate	1	
23	681Z1011	Drive Screw	2	
24	150-4272	Compl. Relief Valve	1	
26	150-4268	Compl. Dual Valve	2	
27	689x1005	Ball	2	
29	150-4080	Rolled Pin	2	
*	SPY-2121.000	Set Of Seals		

SERVICE BRAKE SYSTEM

INDEX

GROUP No. 7

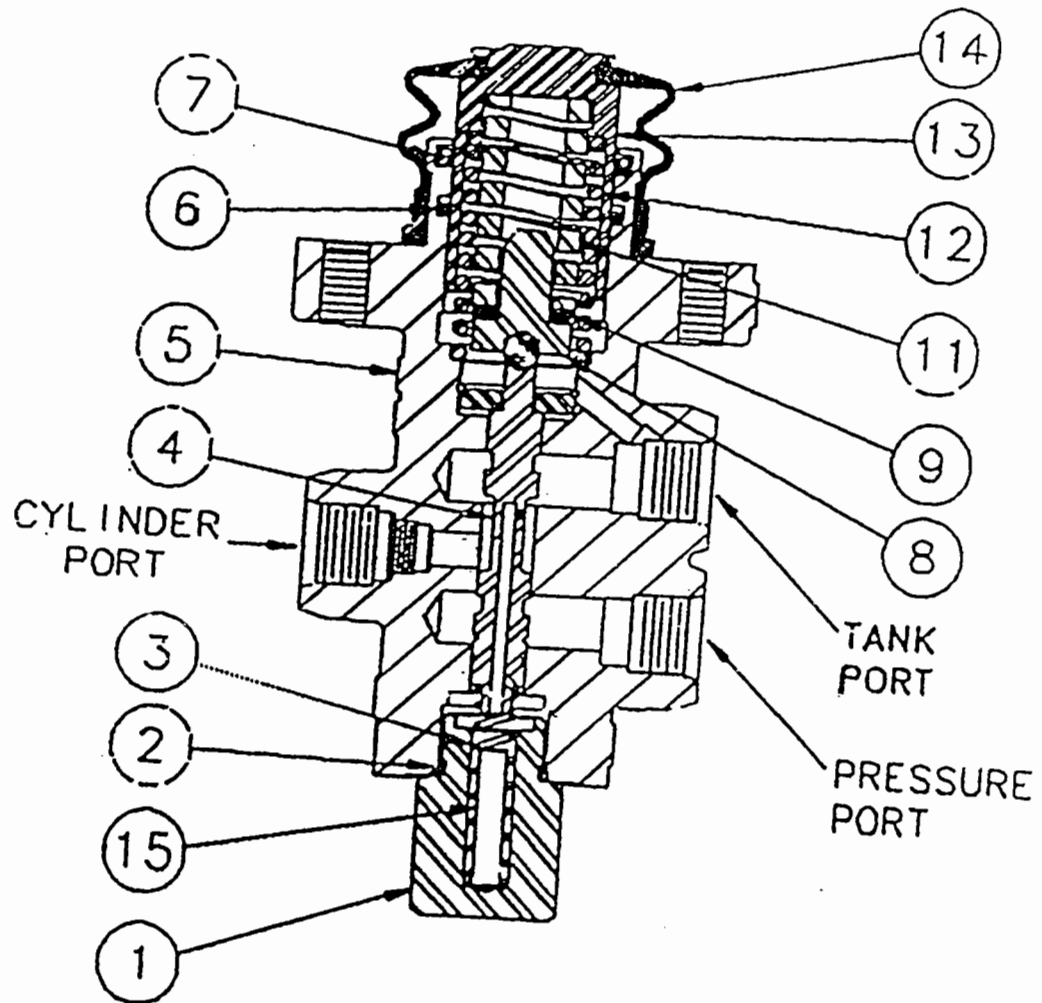
DESCRIPTION	FIGURE No.	PAGE No.
PEDAL BRAKE VALVE	1	1 TO 2
POWER BRAKE VALVE	2	3 TO 4
SINGL ACTING CYLINDER	3	5 TO 6



PEDAL BRAKE VALVE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 1	BRAKES	GROUP 7	PAGE 2
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Pedal Brake Valve - PP11721		
1	_____	Pedal Brake Valve (06466.14)	1	
2	_____	Pin	1	
3	_____	E-Ring	4	
4	_____	Cotter Pin	2	
5	_____	Pin	1	
6	_____	Cam	1	
7	_____	Cap Screw	1	
8	_____	Nut	1	
9	_____	Bushing	1	
10	_____	Bushing	1	
11	_____	Cap Screw	2	
12	_____	Washer	2	
13	_____	Base	1	
*	06.400.188	Repair Kit	1	



POWER BRAKE VALVE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE	FIGURE No. 2	BRAKES	GROUP 7	PAGE 4
01				
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Power Brake Valve		
1	06-466-144-1	End Plug	1	
2*	06-466-144-2	O Ring	1	
3	06-466-144-3	Spring	1	
4	06-466-144-4	Spool	1	
5	06-466-144-5	Housing	1	
6*	06-466-144-6	Seal	1	
7*	06-466-144-7	Cup	1	
8	06-466-144-8	Retainer Assy.	1	
9	06-466-144-9	Shims	A/R	
10	06-466-144-10	Spring	1	
11	06-466-144-11	Spring	1	
12	06-466-144-12	Spring	1	
13	06-466-144-13	Piston	1	
14*	06-466-144-14	Boot	1	
15*	06-466-144-15	Hex Screws	2	

SINGLE ACTING SPRING RETURN CYLINDER

ECEL HK-17 CRANE**PARTS CATALOGUE**

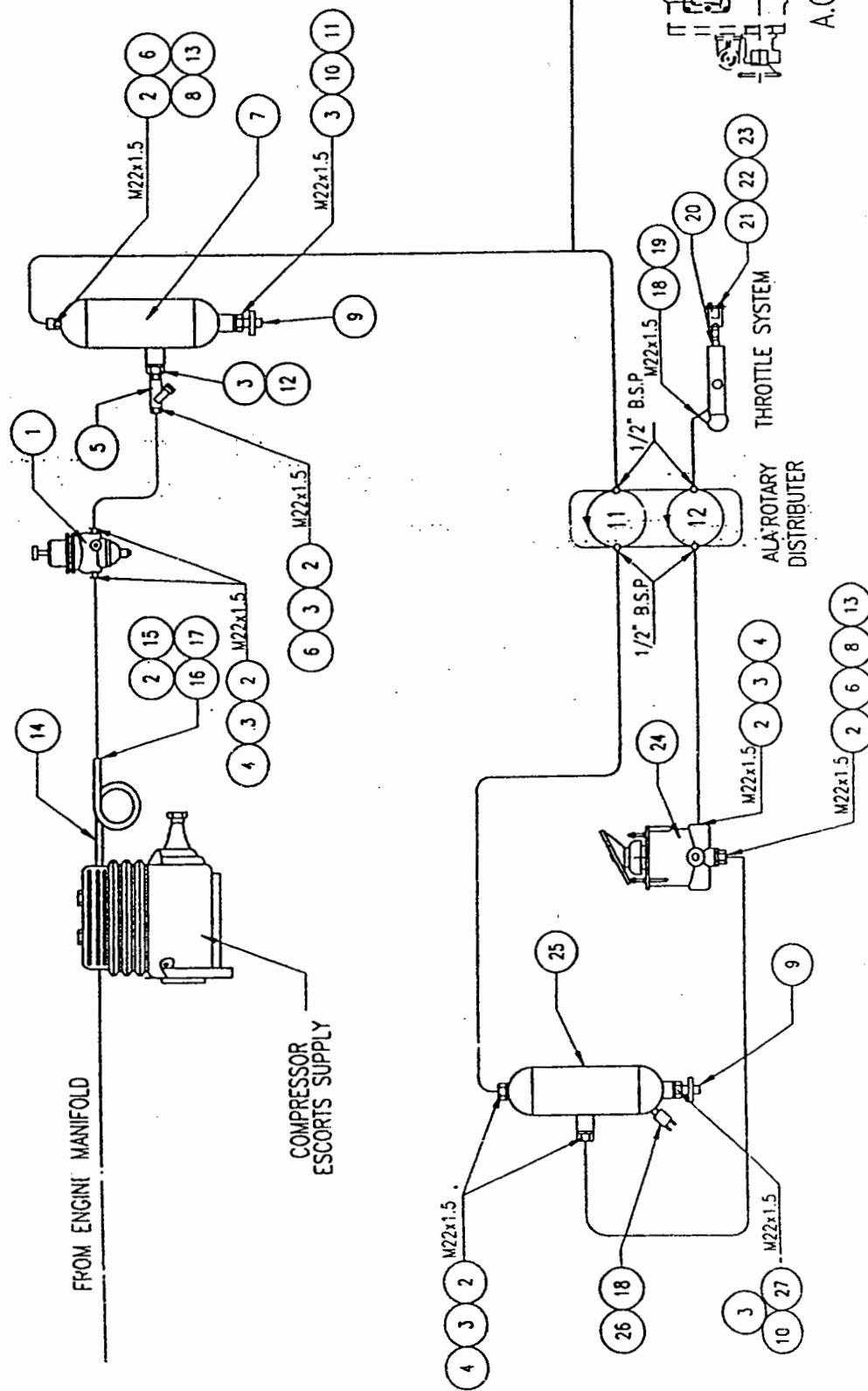
ISSUE 01	FIGURE No. 3	BRAKES	GROUP 7	PAGE 6
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Single Acting Spring Return Cylinder - DC7290R1		
1	DC7290-702W	Tube Weldment	1	
2	DC7290-611	Piston Rod	1	
3	DC7290-490	Piston	1	
4	DC7290-231	Gland	1	
5	DC7290-693	Spring	1	
6 *	SO0354R	O Ring (Gland)	1	
7 *	SO0224R	O Ring (Piston)	1	
8 *	S502205625T	SYLD Ring	2	
9 *	SR04005625T	SYLD Ring	1	
10 *	SW022G	Rod Wiper	1	
11 *	SP040V	Piston Seal	1	
12	DC7290-650	Seal Kit (6 To 11)	1	

PNEUMATIC SYSTEM

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GROUP No. 8

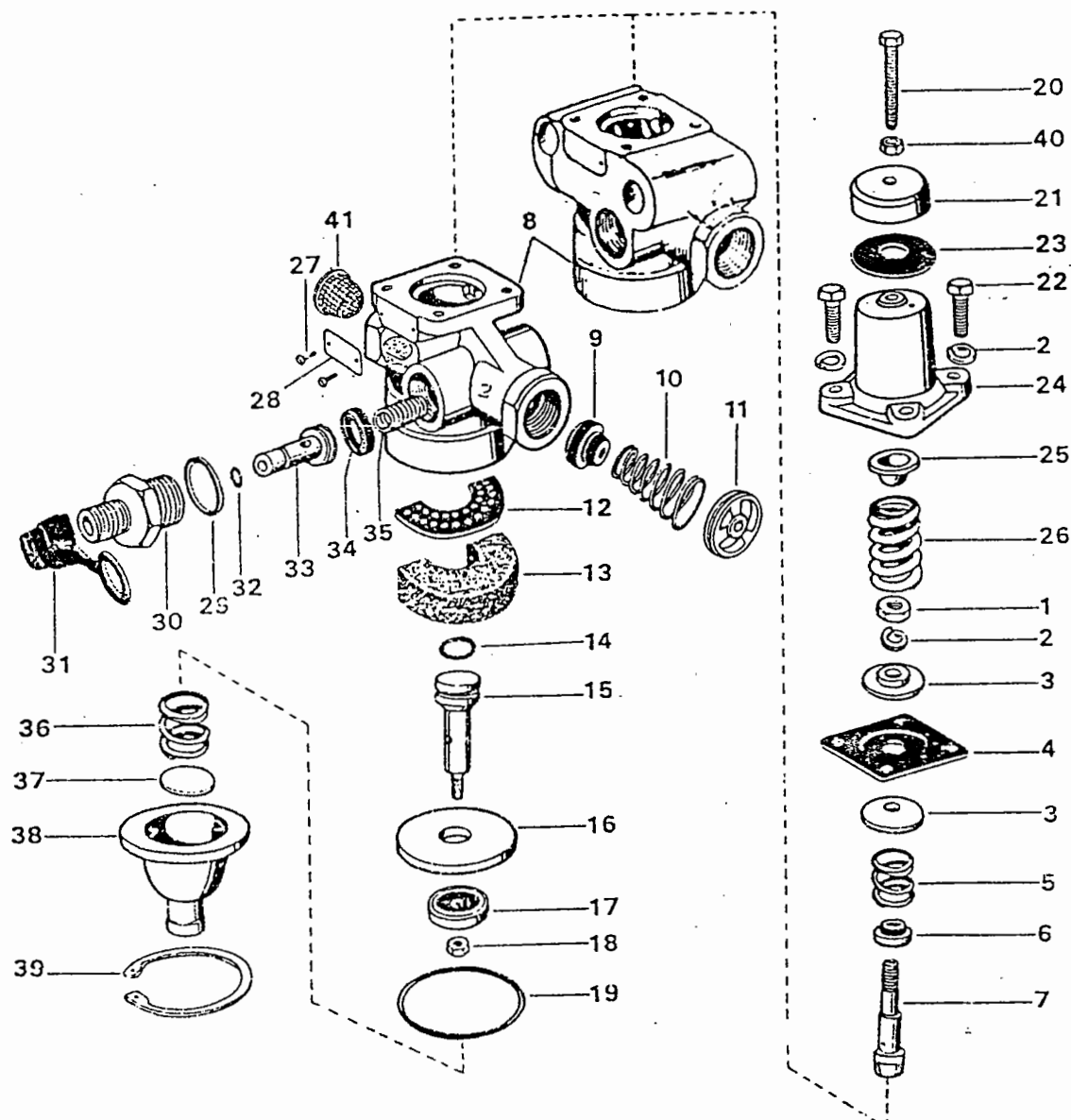
DESCRIPTION	FIGURE No.	PAGE No.
PNEUMATIC CIRCUIT	1	1 TO 2
UNLOADER VALVE	2	3 TO 4
PROTECTION VALVE	3	5 TO 6
AUTOMATIC DRAIN VALVE - M302450	4	7 TO 8
AUTOMATIC DRAIN VALVE - M302710	5	9 TO 10



PNEUMATIC CIRCUIT

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 1	PNEUMATIC SYSTEM	GROUP 8	PAGE 2
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Pneumatic circuit - 28-A-6-007A		
1	9528-001	Unloader Valve	1	
2	PP10796	Worm Drive Hose Clamp	9	
3	M911840	Washer	10	
4	41C5003A	Hose Adaptor	6	
5	PP10532	Air Filter	1	
6	M301910	Sealing Ring	3	
7	9528-002	Reservoir - 50 LTRS	1	
8	M915680	Special Washer	2	
9	9528-016	Auto Drain Valve	2	
10	9528-030	Washer	2	
11	41C5005A	Hose Adaptor	1	
12	9528-052	Double Socket	1	
13	41C5006A	Elbow	1	
14	V19.49.028.0	Metal Pipe	1	
15	M914030	Union Nut 5/8"	1	
16	M911420	Sleeve 5/8"	1	
17	41C5013A	Adaptor	1	
18	9528-038	Washer	1	
19	41C5009A	Hose Adaptor	1	
20	9528-007	Air Cylinder For Accelerator	1	
21	P1.03X15	Split Pin	1	
22	V19.49.086.0	Pin	1	
23	V19.49.074.0	Fork	1	
24	9528-009	Accelerator Pedal	1	
25	PP10874	Reservoir - 25 LTRS	1	
26	PP10873	Low Pressure Switch (5.8 bar)	1	
27	9528-034	Double Socket	1	
28	PP10934	Solenoid Operated D.C Valve	1	

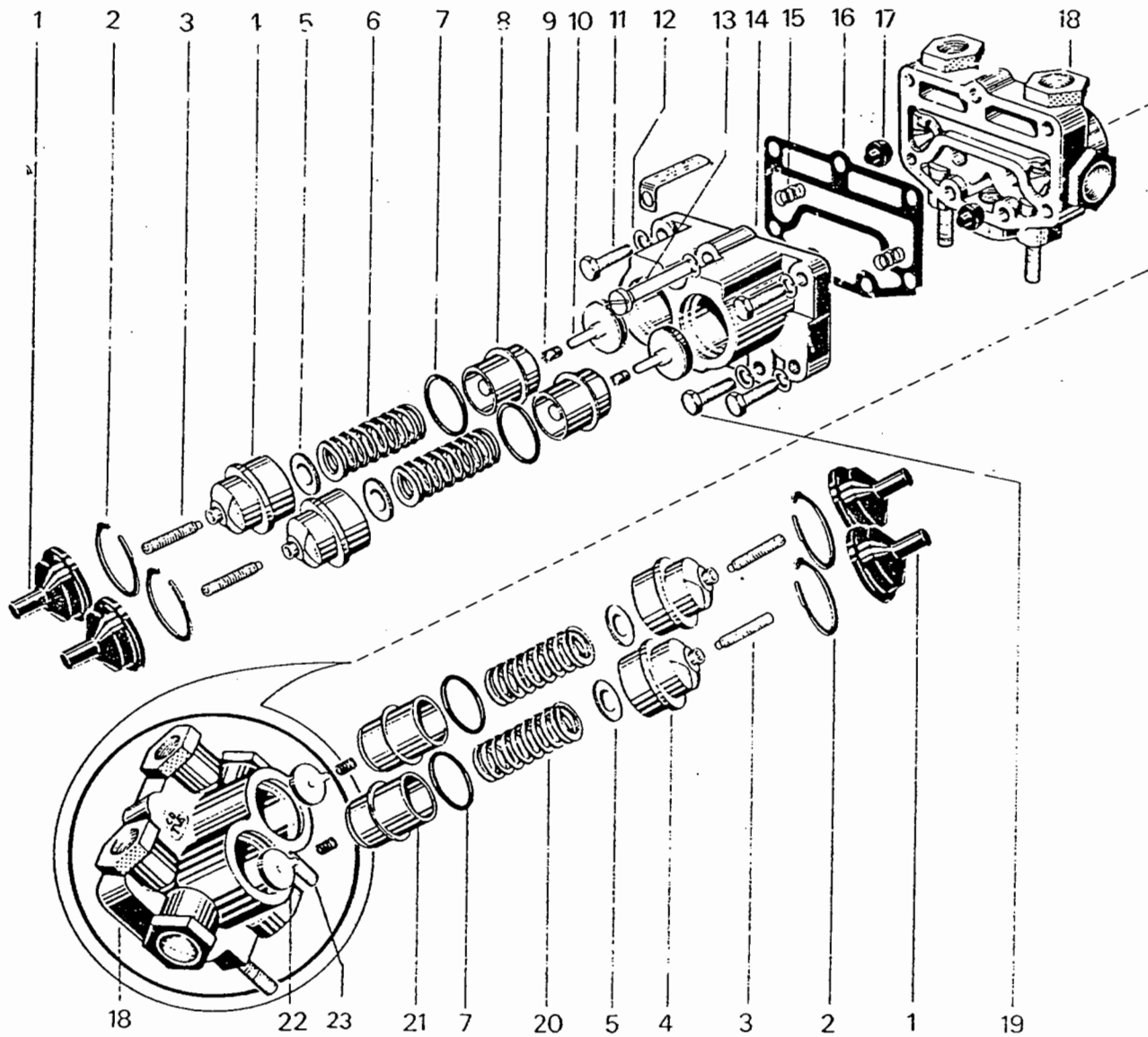


UNLOADER VALVE WITH TYRE INFLATOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 2	BRAKES	GROUP 8	PAGE 4
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Unloader Valve With Tyre Inflator		
1		Diaphragm Assy. Comprising	1	
2		Nut	1	
3		Spring Washer (Only 1 Off For Sub. Assy.)	5	
4		Follower	2	
5		Diaphragm	1	
6		Spring	1	
7		Valve	1	
8		Governor Plunger	1	
9 x		Valve Body	1	
10		Non Return Valve	1	
11		Conical Spring	1	
12		Valve Stop And Spring Retainer	1	
13 x		Filter Retainer	1	
14 x		Filter	1	
		"O" Ring	1	
		Unloader Plunger Assy. Comprising	1	
15		Unloader Plunger	1	
16		Valve Seat	1	
17 x		Valve	1	
18		Nylock Nut	1	
19 x		"O" Ring	1	
20		"O" Ring	1	
21		Adjustment Screw	1	
22		Screw	4	
23 x		Exhaust Flap	1	
24		Top Cover	1	
25		Spring Guide	1	
26		Spring	1	
27		Hammer Head Drive Screw	2	
28		Name Plate	1	
29 x		Washer	1	
30		Adapter	1	
31 x		Dust Flap	1	
32		"O" Ring	1	
33		Plunger	1	
34 x		Valve	1	
35		Spring	1	
36		Spring	1	
37		Shim	1	
38		Base Cover	1	
39		Internal Circlip	1	
40		Lock Nut	1	
41 x		Strainer	1	
—	9528-001	Unloader Valve With Inflator	1	
x	MSP 3/49	MSP REPAIR KIT		

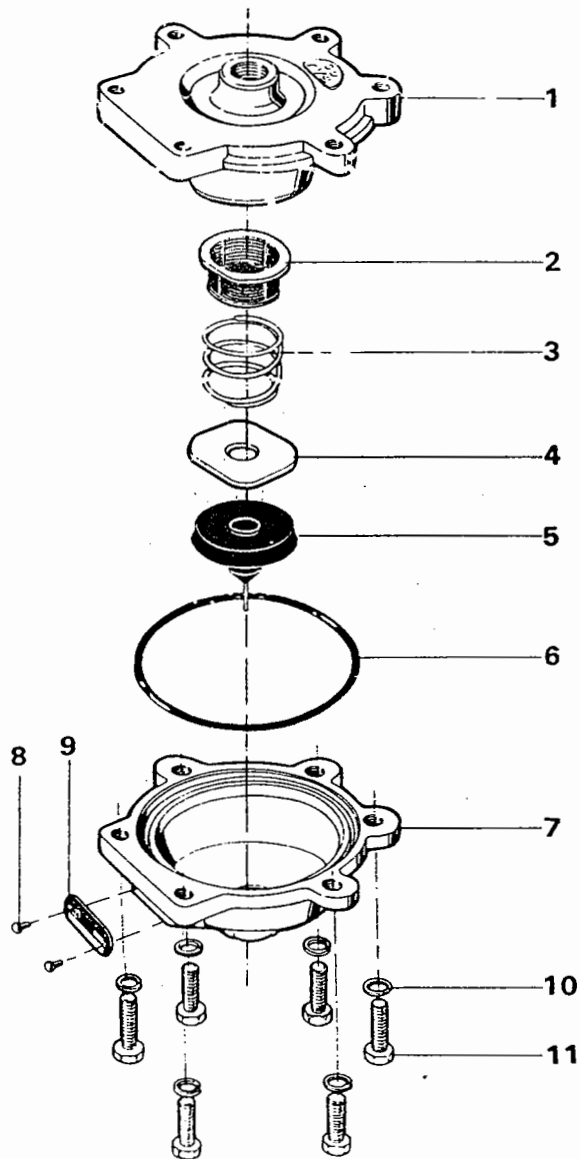
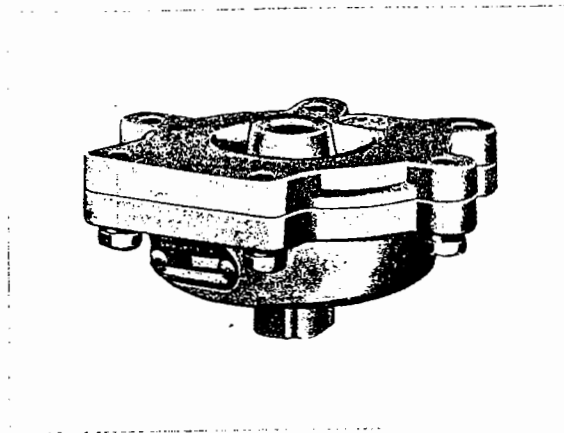
< Not Serviced
Separately



PROTECTION VALVE

ECEL HK-17 CRANE**PARTS CATALOGUE**

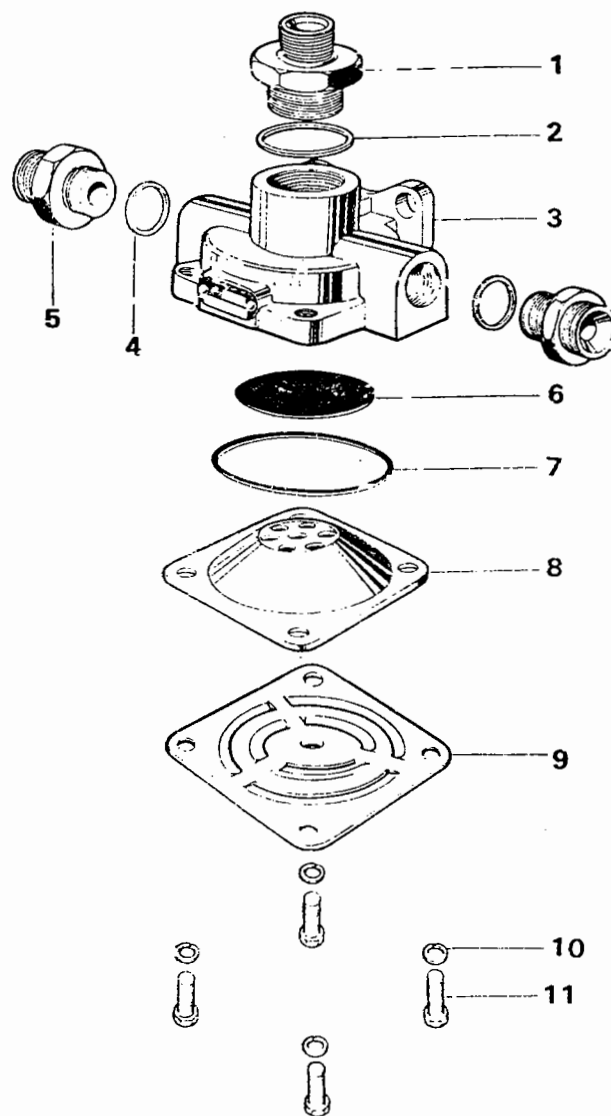
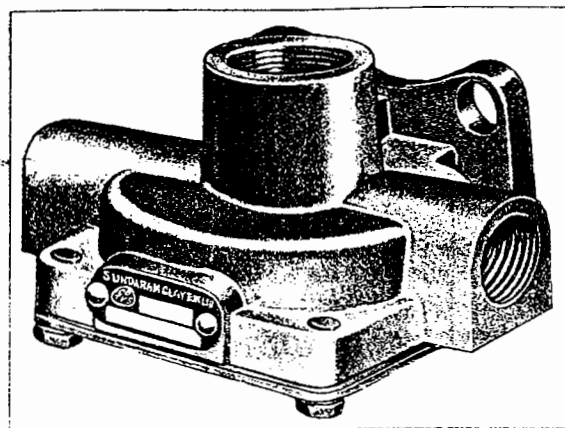
ISSUE 01	FIGURE No. 3	BRAKES	GROUP 8	PAGE 6
S.NO.	PART No.	DESCRIPTION PROTECTION VALVE - M301430-M302420	QUANTITY	NOTE
1 *	M333940	Gaiter	4	
2	M917260	Internal Circlip	4	
3	M917220	Hex Socket Set Screw	4	
4	M310820	Top Cover Sub Assy.	4	
5	M333950	Spring Retainer	4	
6	M334040	Graduating Spring	2	
7 *	M917830	O Ring	4	
8	M333970	Ram	2	
9 *	M334060	Spring Retainer	4	
10 *	M310690	Valve	2	
11	M915900	Hex head Screw	4	
12	M910290	Spring Washer	7	
13	M917440	Hex Socket Head cap Screw	1	
14	M334091	Valve Body & Bottom Cover	1	
15 *	M336900	Check Valve Spring	2	
16 *	M334110	Joint	1	
17 *	M334020	Check Valve	2	
18	M334101	Valve Body	1	
19	M917700	Hex Head Screw	2	
20	M334050	Graduating Spring	2	
21	M333931	Ram	2	
22 *	M310700	Valve	2	
23	M912750	Stud	2	
*	MSP 3/40	Kit	1	



AUTOMATIC DRAIN VALVE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 4	BRAKES	GROUP 8	PAGE 8
S.NO.	PART No.	DESCRIPTION AUTOMATIC DRAIN VALVE - M302450	QUANTITY	NOTE
1	M335601	Body	1	
2 *	M335620	Filter	1	
3	M335630	Spring	1	
4 *	M335640	Spring Seat	1	
5 *	M311010	Seal	1	
6 *	M920880	Sealing Ring	1	
7	M335611	Cover	1	
8	M910540	Hammer Head Drive Screw	2	
9	M630900	Name Plate	1	
10	M910290	Spring Washer	6	
11	M915900	Hexagon Head Screw	6	
*	MSP 3/54	Kit	1	



QUICK RELEASE VALVE

PARTS CATALOGUE

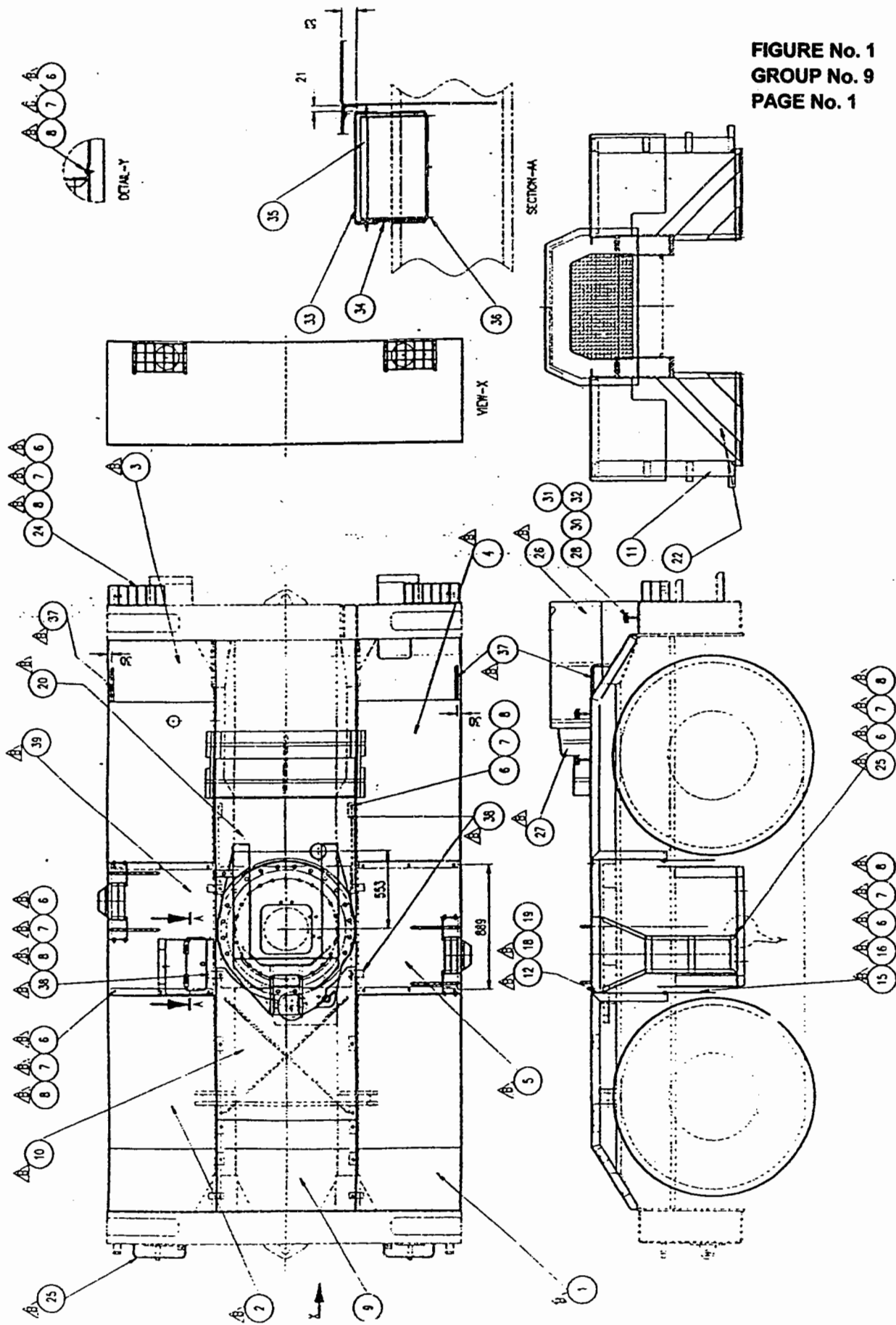
ISSUE 01	FIGURE No. 5	BRAKES	GROUP 8	PAGE 10
S.NO.	PART No.	DESCRIPTION AUTOMATIC DRAIN VALVE - M302710	QUANTITY	NOTE
1	-----	Union Body	1	
2	-----	Sealing Washer	1	
3	M336161	Body	1	
4	-----	Sealing Washer	1	
5	-----	Union Body	1	
6 *	M336170	Diaphragm	1	
7 *	M922970	Sealing Ring	1	
8	M336180	Valve Seat	2	
9	M336190	Exhaust Cover	1	
10	M910290	Spring Washer	6	
11	M910990	Hex Screw M6X1	6	
*	MSP 3/63	Kit Repair	1	

LOWER STRUCTURE

INDEX

GROUP No. 9

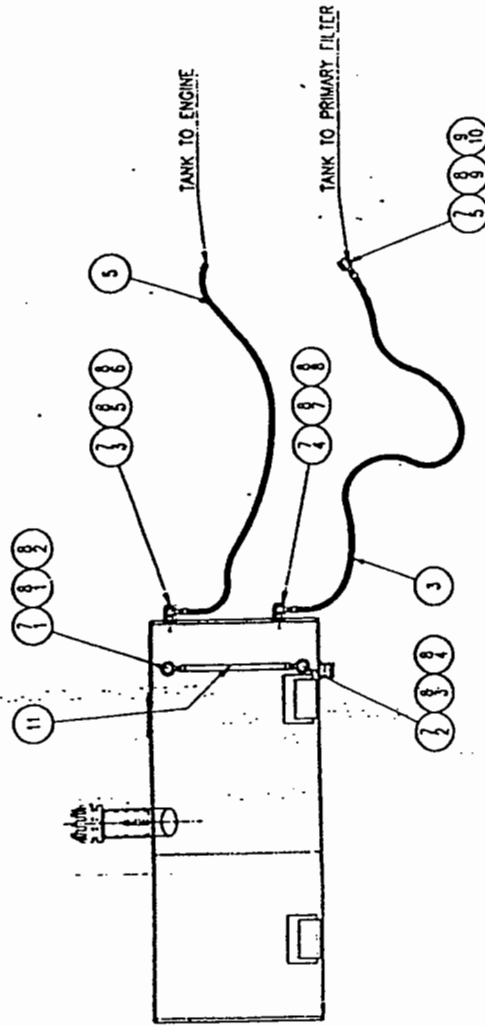
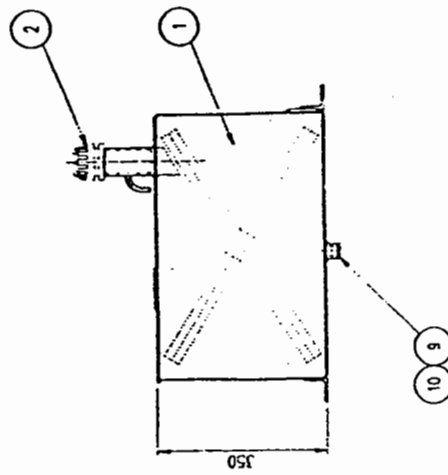
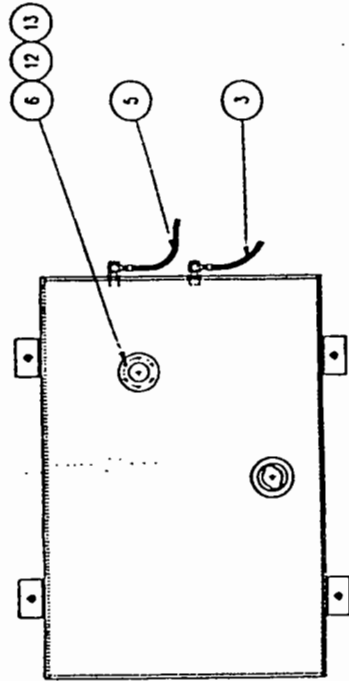
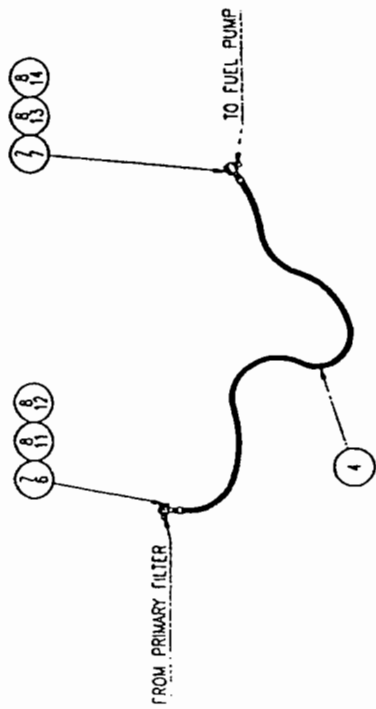
DESCRIPTION	FIGURE No.	PAGE No.
CHASSIS & PLATFORM / COVERS	1	1 TO 2
FUEL TANK ASSY.	2	3 TO 4
HYDRAULIC OIL TANK. ASSY.	3	5 TO 6



CHASSIS PLATFORM AND COVERS

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 1	LOWER STRUCTURE	GROUP 9	PAGE 2
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Chassis / Plateform & Covers - 28-A-1-026B		
1	28F1046A	Front Mud Guard (LH) fabrication	1	
2	28F1014A	Front Mud Guard (RH) fabrication	1	
3	28F1015A	Rear Mud Guard (RH) fabrication	1	
4	28F1016A	Rear Mud Guard (LH) fabrication	1	
5	28F1017A	Middle Cover (LH)	1	
6	S1.08X25-8.8G	Hex Screw	64	
7	N1.08	Nut	26	
8	W1.08	Plain Washer	64	
9	28C1202	Centre Cover-I	1	
10	28F1019A	Centre Cover-II	1	
11	28F1047	Ladder Assy.	2	
12	S1.10X30-8.8G	Hex Screw	8	
15	MP-1-111 REVB	Mud Flap	4	
16	SX00C1064A0	Mud Flap Bolting Strip	4	
18	N1.10	Hex Screw	8	
19	W1.10	Washer Plain	8	
20	28C1121A	Transmission Cover	1	
22	28F1027	Hyd. Tank Bracket	2	
23	28F1062	Front Light grill Assy.	2	
24	28F1021	Tail Lamp Guard	2	
25	28C1190A	Angle	4	
26	V12.06.028.4	Engine Cover Front	1	
27	28C1219C	Engine Cover Rear	1	
28	PP10562	Latch	8	
30	S1.06X15	Hex Screw	16	
31	N1.06	Hex Nut	16	
32	W2.06	Spring Washer	16	
33	28C1248	Battery Cover	1	
34	28F1057	Battery Box	1	
35	28F1058	Tightening Strip	1	
36	N1.06	Wing Nut	2	
37	28C1261	Stay Rod	2	
38	28M1071	Plate	6	
39	28F1018	Middle Cover (RH)	1	



FUEL TANK. ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 2	LOWER STRUCTURE	GROUP 9	PAGE 4
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Fuel Tank Assy. - 28A1027		
1	28F1013	Fuel Tank Fabrication	1	
2	5.37.03.0	Cap Fuel Tank	1	
3	V12.13.001.0	Fuel Pipe	1	
4	MISC-R-12260	Flexible Fuel Pipe	1	
5	V12.13.002.0	Fuel Pipe	1	
6	V12.43.048.0	Fuel Float	1	
7	7.07.22.0	Banjo Bolt	7	
8	7.07.23.0	Copper Washer	14	
9	V16.31.088.0	Drain Plug Magnetic	1	
10	50.00055.0	Brass Washer	1	
11	V12.13.0180.0	Fuel Indicator Pipe	1	
12	S1.06x15	Hex Screw	6	
13	W1.06	Plain Washer	6	

HYD. OIL TANK ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 3	LOWER STRUCTURE	GROUP 9	PAGE 6
S.NO.	PART No.	DESCRIPTION Hyd. Oil Tank Assy. - 28-A-1-024B	QUANTITY	NOTE
1	28F1037A	Hyd Oil Tank FAB.	1	
4	Y01.47.02.1	Stariner	1	
5	V12.29.061.0	Stand Pipe Adaptor	1	
6	95601-008	Dowty Seal	2	
7	28F1024	Diffuser Assy.	1	
8	V19.45.177.0	Breather Assy.	1	
9	8MSH05C1030	Hex Screw	6	
10	W2.05	Spring Washer	6	
11	28F1040	Cover Plate FAB.	1	
12	V12.29.004.0	Cover Plate Gasket	1	
13	N1.08 (8.8G)	Hex Nut	12	
14	W2.08	Spring Washer	12	
15	28F1026A	Dipstick	1	
16	85.09.114.0	"O" Ring	1	
17	50.00055.0	Brass Washer	1	
18	V16.31.088.0	Magnetic Drain Plug	1	

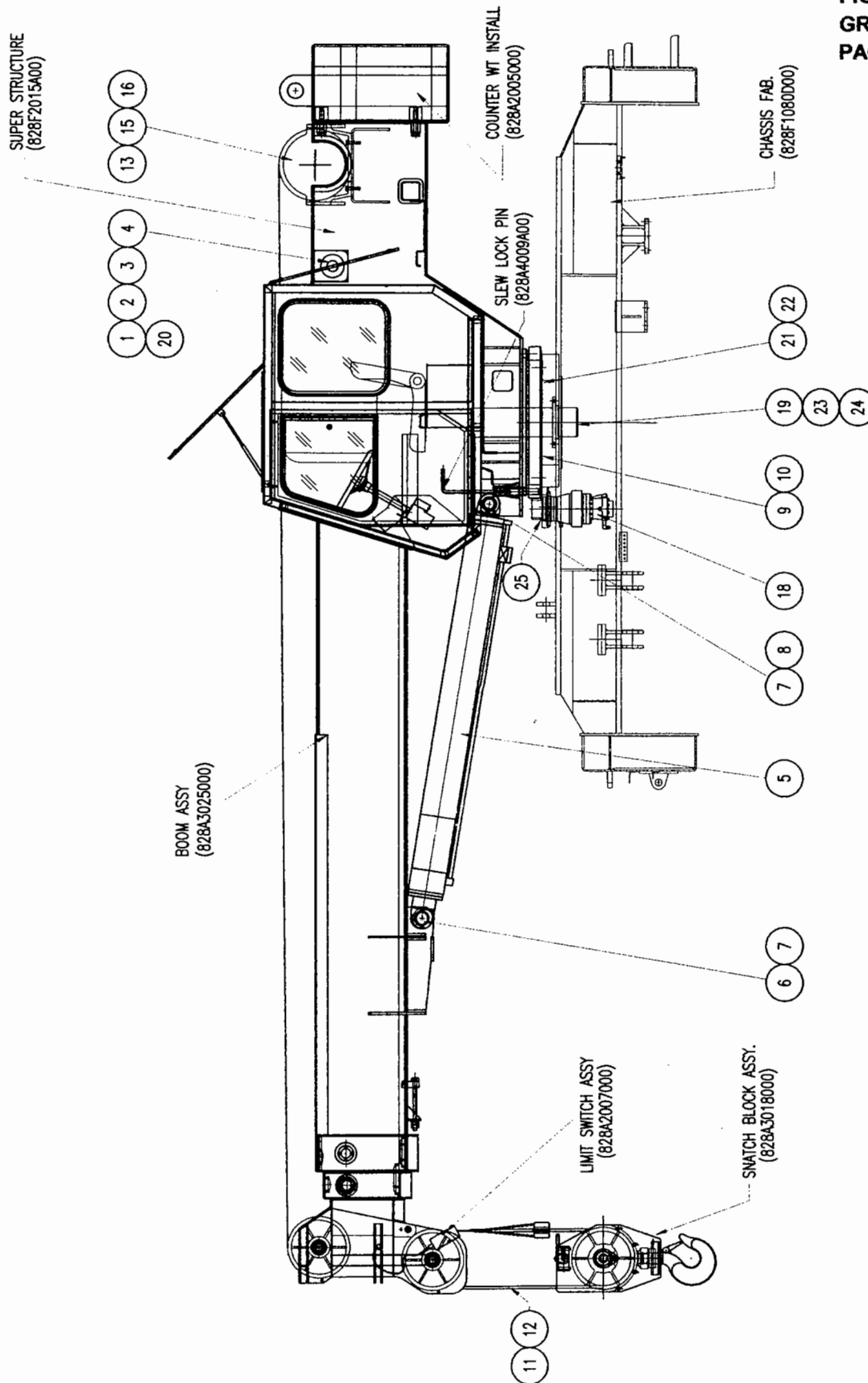
UPPER STRUCTURE

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GROUP No. 10

DESCRIPTION	FIGURE No.	PAGE No.
UPPER ASSY. COMPLETE	1	1 TO 2
BOOM ASSY. COMPLETE	2	3 TO 6
MAIN BOOM ASSY.	3	7 TO 8
1st EXTENSION ASSY.	4	9 TO 10
JIB HEAD ASSY.	5	11 TO 12
SNATCH BLOCK ASSY.	6	13 TO 14
WIRE ROPE	7	15 TO 16

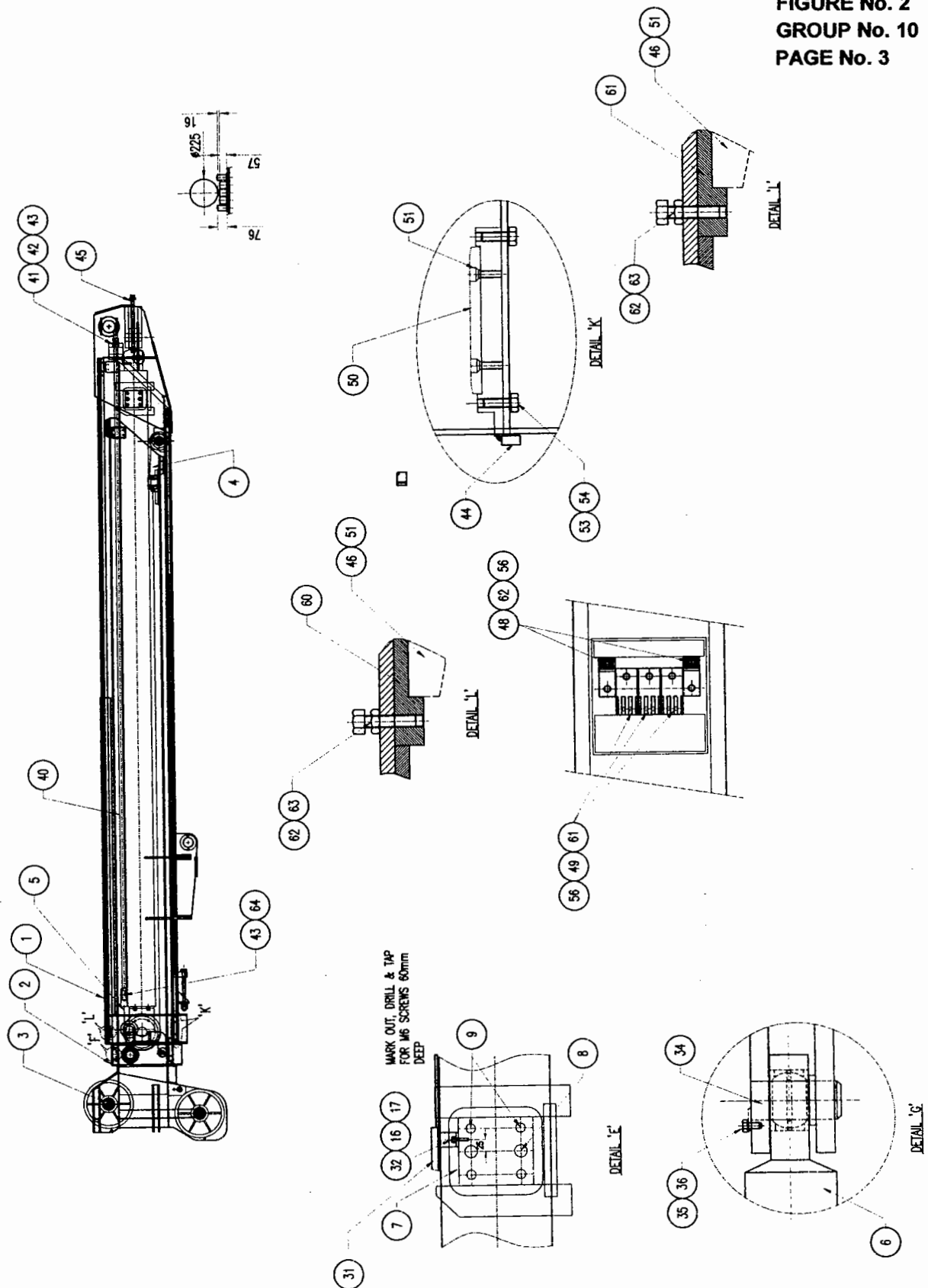
FIGURE No. 1
GROUP No. 10
PAGE No. 1



UPPER ASSEMBLY COMPL.

ECEL HK-17 CRANE**PARTS CATALOGUE**

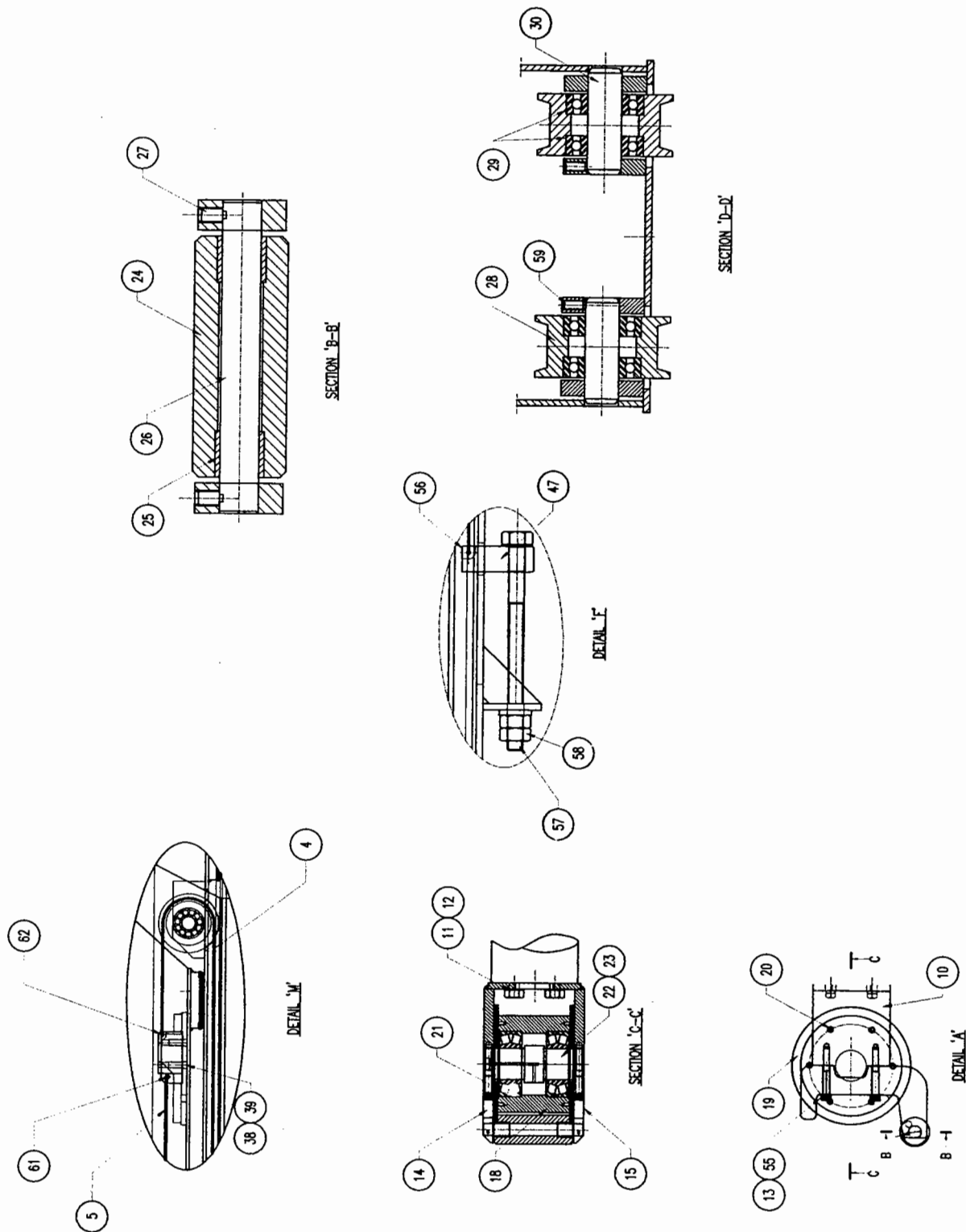
ISSUE 01	FIGURE No. 1	UPPER STRUCTURE	GROUP 10	PAGE 2
S.NO.	PART No.	DESCRIPTION Upper Assembly Compl. - 28-A-2-006	QUANTITY	NOTE
1	28M2025	Pivot Pin	1	< 125 MTRS
2	28P0613	Locking Strip	1	
3	B1.10X30-8.8G	Bolt Hex	4	
4	W2.10	Washer Spring	4	
5	28C3002D	Derrick Cylinder	1	
6	28F2005	Derrick Pin	1	
7	2438-011	Dowel Pin	2	
8	28F2006	Derrick Pin	1	
9	31730-202	Slew Ring	1	
10	8IBH16F3400	Bolt Hex	24	
11	MISC-5260	Wire Rope Clamp	4	
12	MISC-YL-5327	STL Wire Rope	1	
13	PP11392	Hyd. Winch	1	
15	B1.18X80-8.8G	Bolt Hex	6	
16	W2.10	Washer Spring	4	
18	PP11906	Slew Gear Box	1	
19	PP11552	Rotary Distributor	1	
20	28C1249	Bush	2	
21	8IBH16C3320	Bolt Hex	24	
22	28M2033	Dowel Bush	2	
23	28M2035	Locking Plate	1	
24	28M2036	Locking Plate	1	
25	28M2082	Pinion	1	



BOOM ASSEMBLY COMPL.

ECEL HK-17 CRANE**PARTS CATALOGUE**

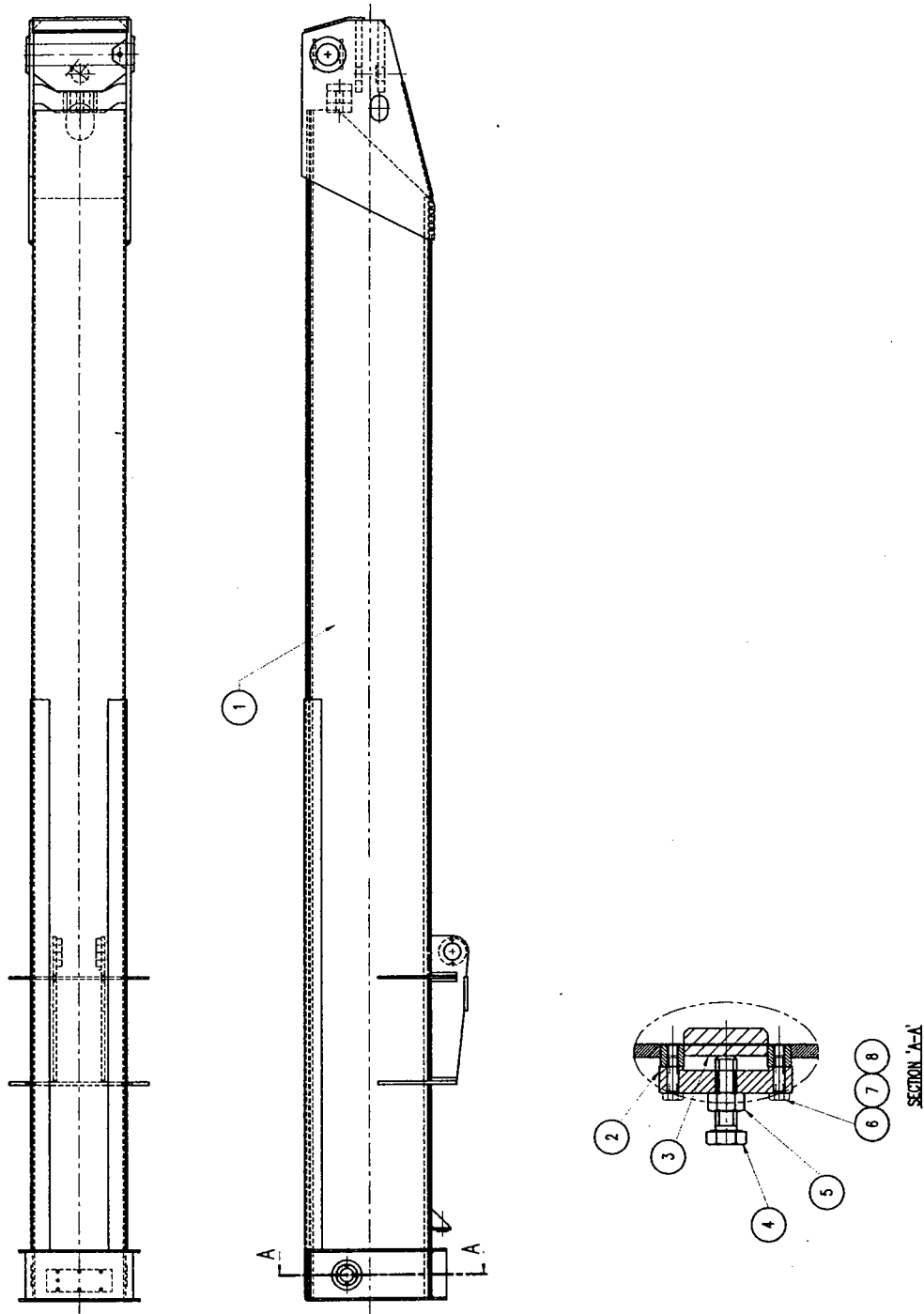
ISSUE 01	FIGURE No. 2	UPPER STRUCTURE	GROUP 10	PAGE 4
S.NO.	PART NO.	DESCRIPTION Boom Assy. Compl. - 45-A-3-001	QUANTITY	NOTE
1	28A3030	Main boom Assy.	1	
2	28A3031	1st Extension Assy.	1	
3	28A3032	Jib Head Assy.	1	
4	28C3034	Retract Chain	2	
5	28C3033	Extension Chain	3	
6	28C3003B	Jib Extn Cyl.	1	
7	35150-583	Jib Cyl. Lug	2	
8	33130-015	Jib Cyl. Dowel	4	
9	8ISA12C0180	Screw Allen	8	< 3/4"X2" LONG
10	28F3041	Chain Roller Bkt.	1	
11	8ISH16C3140	Screw Hex	4	< 1"X1 3/4" LONG
12	W2.16	Spring Washer	4	
13	S8.16X120-10.9G	Allen Screw	4	
14	45P2503	Profile Plate RH	1	
15	45P2504	Profile Plate LH	1	
16	8IBH08C2130	Bolt Hex	2	
17	W2.08	Spring Washer	8	
18	28M3066	Chain Roller	1	
19	28M3072	Flange	2	
20	M8X20	CSK Screw	12	
21	90302-034	Spherical Roller Bearing	2	
22	28M3059	Chain Roller Shaft	1	
23	94911-002	Grease Nipple	1	
24	28M3067	Guide Roller	1	
25	9120-061	Oilite Bush	2	
26	28M3068	Guide Roller Shaft	1	
27	M6X20	Grub Screw	4	
28	31390-027	Roller	2	
29	90302-086	Ball Bearing With One Seal	4	
30	33170-3153	Retract Roller Shaft	2	
31	37540-057	Chain Tray	1	
32	8ISH08F3160	Hex Screw	2	< 1/2"X1" LONG
33		Lock Nut	4	
34	33170-2481	Cyl. Ram Pin	1	
35	8ISH06F3080	Hex Screw 3/8"x1" Long	1	
36	W2.06	Spring Washer	1	
37		Split Pin	2	< DELETED
38	8IBH10C3660	Hex Bolt	5	
39	W2.10	Spring Washer	5	
40	33420-430	Extension Bar	3	
41	33530-090	Collar Spacer	3	
42	8INH20F3000	Hex Nut	3	
43	8INL20F3000	Lock Nut	9	
44	45M3007	Pad Holder	2	
45	28F3024	Adaptor Fab.	2	
46	40C3018	Nylon Pad	2	
47	29M3011	Block Retract Chain	2	



BOOM ASSEMBLY COMPL.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 2	UPPER STRUCTURE	GROUP 10	PAGE 6
S.NO.	PART NO.	DESCRIPTION Boom Assy. Compl. - 45-A-3-001	QUANTITY	NOTE
48	45M3008A	Retraction Chain Block	2	
49	V12.37.008.0	Extension Chain Block	3	
50	40C3007	Sliding Pad	4	
51	M8X10-8.8G	"C Sunk Screw	20	
52	S1.10X20-10.9G	Hex Screw	24	
53	W2.10	Washer Spring	32	
54	S1.10X30-10.9G	Hex Screw	8	
55	W2.16	Washer Spring	4	
56	P1.2X30	Split Pin	10	
57	B1.24X300-12.9G	Hex Bolt	2	
58	N1.24	Hex Nut	4	
59	M8X25	Grub Screw With Dog Pt.	2	
60	28M3080	Pad Holder	1	
61	28M3081	Pad Holder	1	
62	S1.10X40-10.9G	Hex Screw	12	
63	N6.10	Lock Nut	12	
64	V12.37.009.0	End Block	3	

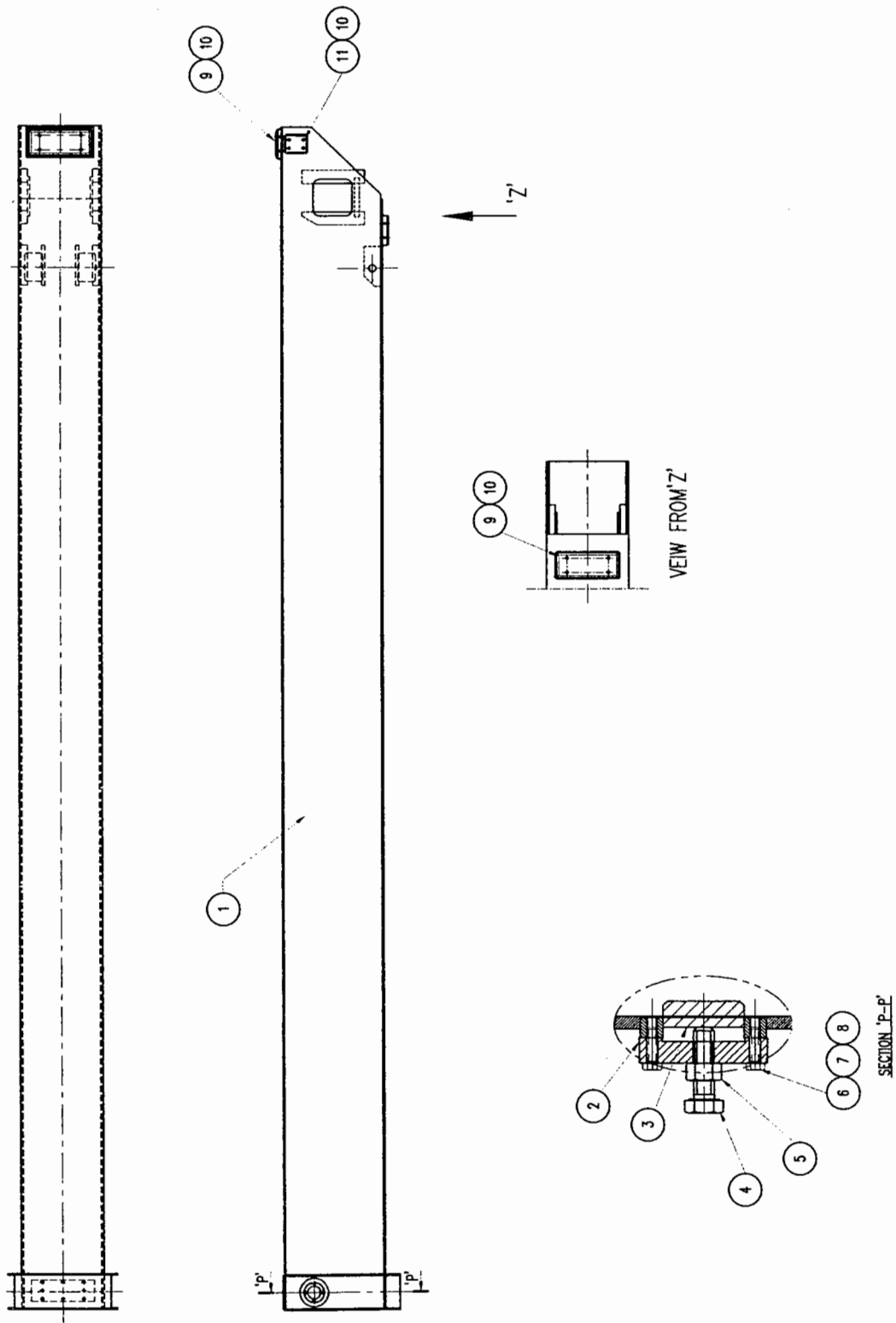


MAIN BOOM ASSEMBLY

ECEL HK-17 CRANE

PARTS CATALOGUE

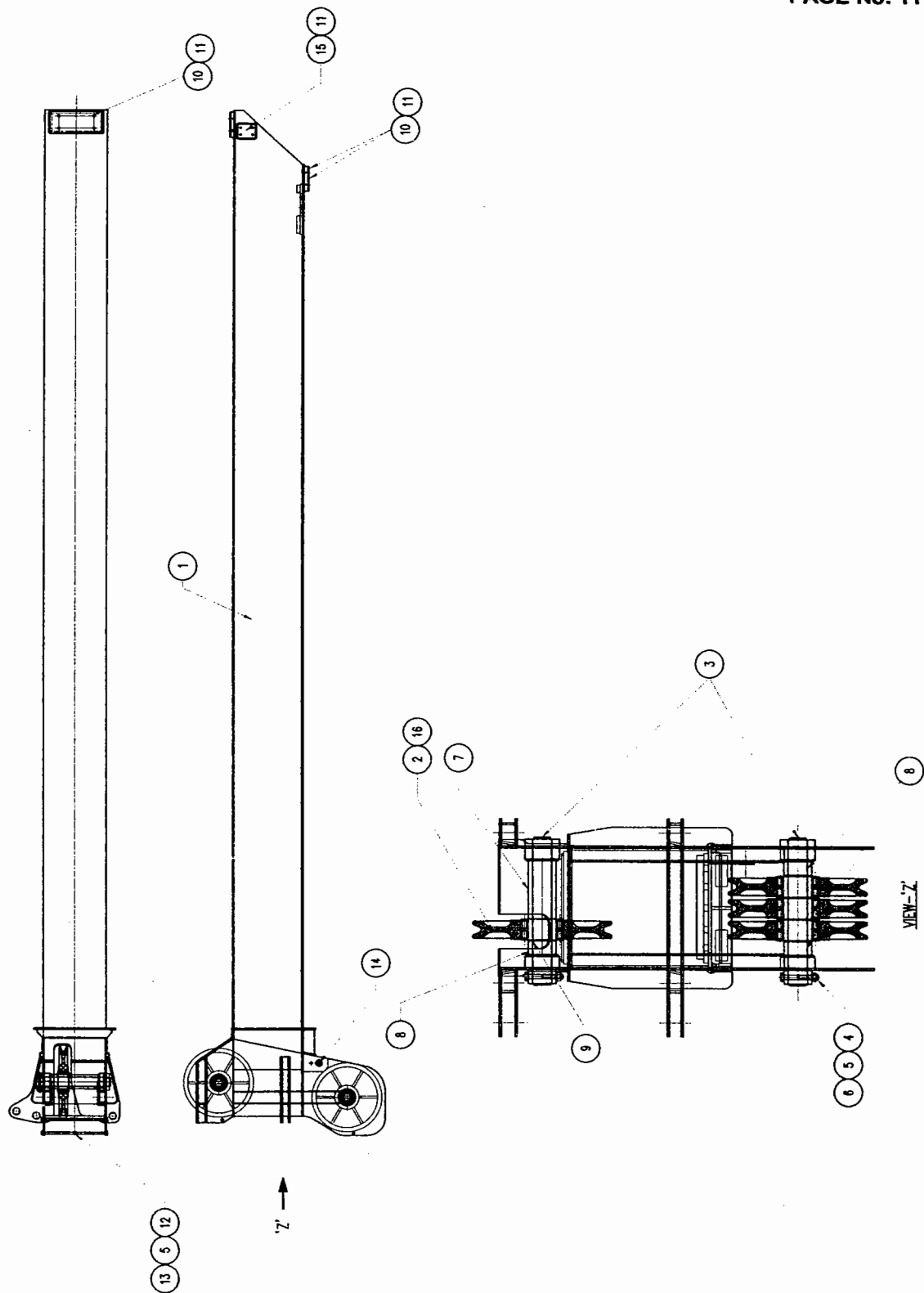
ISSUE 01	FIGURE No. 3	UPPER STRUCTURE	GROUP 10	PAGE 8
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Main Boom Assy. (28-A-3-030)		
1	28-F-3-044	Main Boom Fab.	1	
2	22-M-3-025	Wear Pad Carrier	2	
3	44-M-3-012	Wear Pad	2	
4	S1.16X60	Screw Hex	2	
5	N1.16	Nut Hex	2	
6	S1.08X35-8.8G	Screw Hex	8	
7	W1.08	Washer Plain	8	
8	W2.08	Washer Spring	8	



1st EXTENSION ASSEMBLY

ECEL HK-17 CRANE**PARTS CATALOGUE**

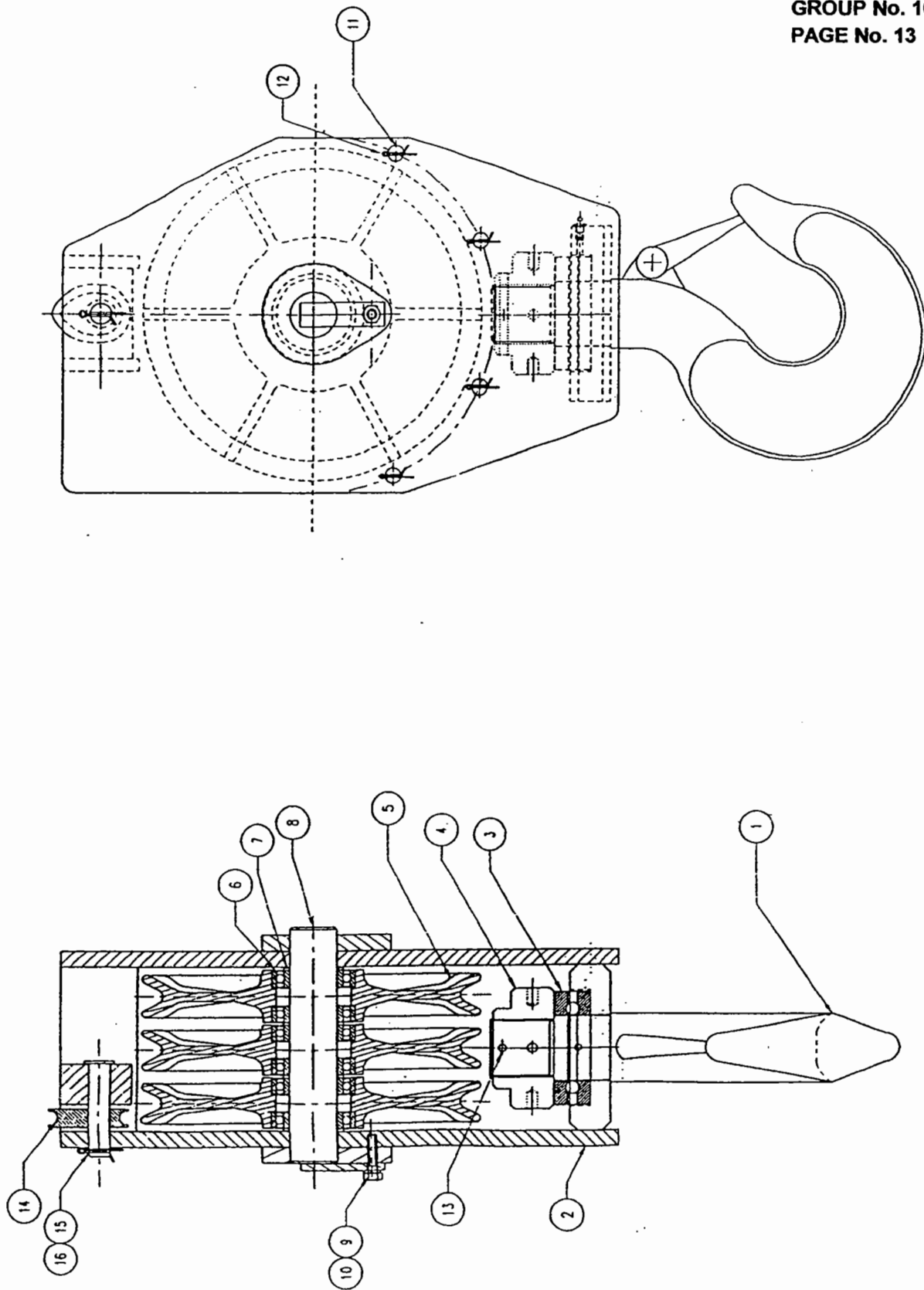
ISSUE 01	FIGURE No. 4	UPPER STRUCTURE	GROUP 10	PAGE 10
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		1st Extension Assy. - 28-A-3-031		
1	28-F-3-045	1st Extension Fab.	1	
2	22-M-3-025	Wear Pad Carrier	2	
3	44-M-3-012	Wear Pad	2	
4	S1.16X60	Screw Hex	2	
5	N1.16	Nut Hex	2	
6	S1.08X35-8.8G	Screw Hex	8	
7	W1.08	Washer Plain	8	
8	W2.08	Washerf Spring	8	
9	40C3005	Sliding Pad	2	
10	M8X10-8.8G	"C" Sunk Screw	16	
11	45C1201	Sliding Pad	2	



JIB HEAD ASSEMBLY

ECEL HK-17 CRANE**PARTS CATALOGUE**

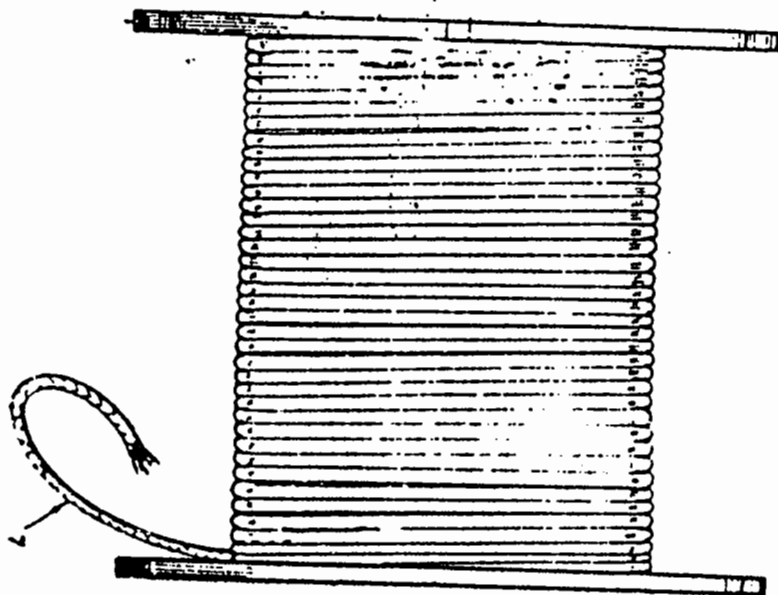
ISSUE 01	FIGURE NO. 5	UPPER STRUCTURE	GROUP 10	PAGE 12
S.NO.	PART NO.	DESCRIPTION Jib Head Assembly - 28-A-3-028	QUANTITY	NOTE
1	28F3046	Jib Extension Fab.	1	
2	28C3036	Pulley	4	
3	28M3076	Pin	2	
4	B1.12X100	Hex Bolt	2	
5	W1.12	Plain Washer	6	
6	N6.12	Nylock Nut	2	
7	28M3077	Sleeve	1	
8	28M3078	Spacer	3	
9	28M3065	Shim	6	
10	40C3005	Sliding Pad	2	
11	M8X20-10.9G	"C" Sunk Screw	16	
12	28C3035	Rope Guard	2	
13	P1.2X30	Split Pin	4	
14	28F3050	Pin Fabrication	1	
15	28C3027	Sliding Pad	2	
16	90302-055	Roller Bearing	6	



SNATCH BLOCK ASSEMBLY

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 6	UPPER STRUCTURE	GROUP 10	PAGE 14
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Snatch Block Assy. 28-A-3-018		
1	28C3025	Hook 20 Ton	1	
2	28F3031	Snatch Block Frame	1	
3	PP11785	Thrust Bearing	1	
4	28M3056	Nut	1	
5	V12.37.001.0	Pulley	3	
6	90302-055	Roller Bearing	6	
7	35120-295	Spacer	4	
8	V12.36.002.0	Pulley Pin	1	
9	B1.12X40-8.8G	Bolt Hex M12x40Lg,8.8G	1	
10	W2.12	Washer Spring,M12	1	
11	28301-253	Rope Retaining Pin	4	
12	P1.04X35	Split Pin (Dia4x35LG)	8	
13	28M3057	Spring Dowel Pin (Dia 10x 100LG)	1	
14	30M3008	Solid Thimble	1	
15	28F3022A	Thimble Pin Fab.	1	
16	P1.05X60	Split Pin Dia5x 60 LG	1	



WIRE ROPE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE No. 7	UPPER STRUCTURE	GROUP 10	PAGE 16
S.NO.	PART No.	DESCRIPTION Wire Rope	QUANTITY	NOTE
1	MISC-YL-5328	Steel Wire Rope (3 Part Boom)	1	

HYDRAULIC SYSTEM

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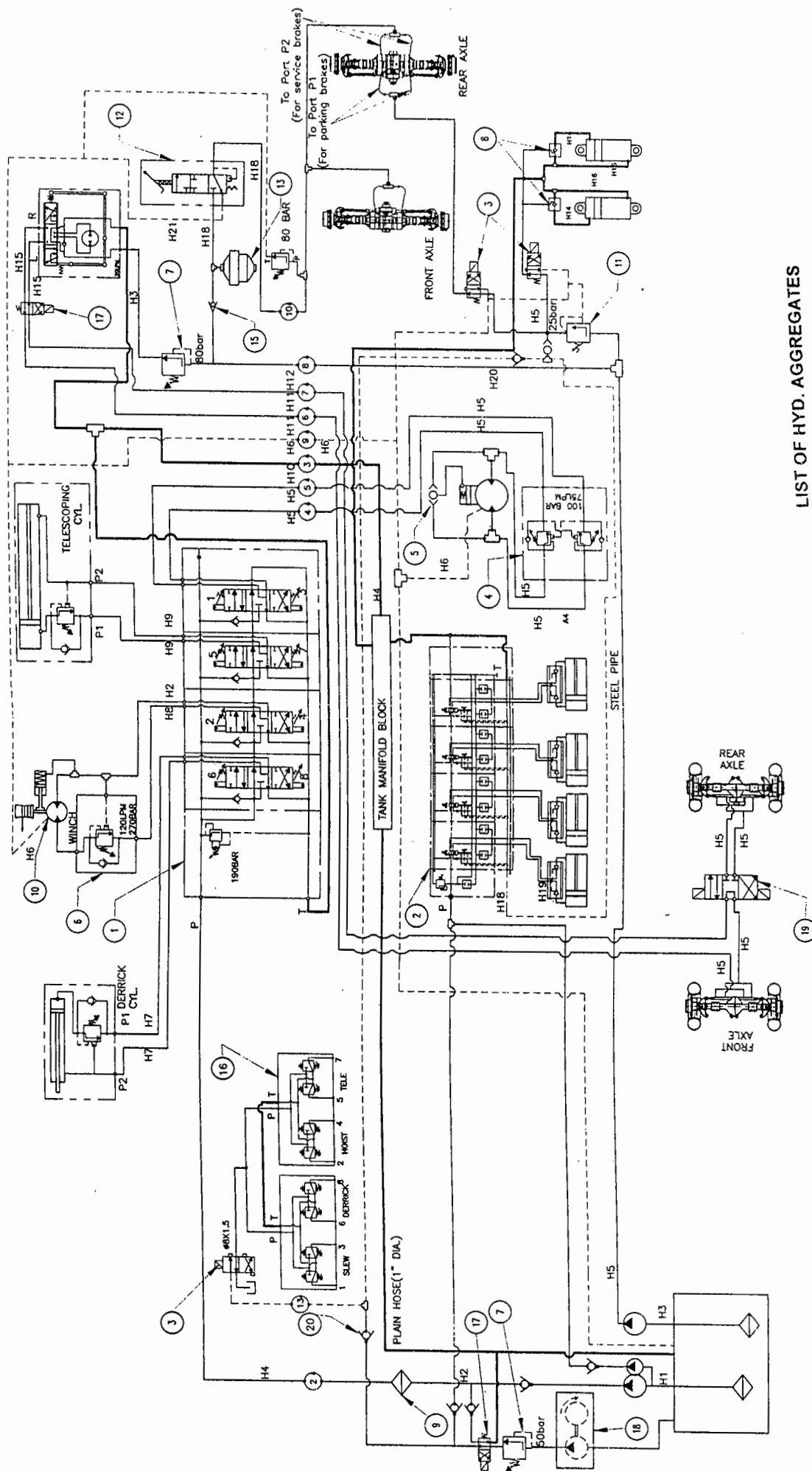
GROUP No. 11

DESCRIPTION	FIGURE No.	PAGE No.
LIST OF HYDRAULIC AGGREGATES	1	1 TO 2
LIST OF HOSES	2	3 TO 4
LIST OF FITTINGS	3	5 TO 6
HYD. PUMP	4	7 TO 8
DISTRIBUTOR ASSY.	5	9 TO 10
ROTARY DISTRIBUTOR	6	11 TO 12
DERRICK CYLINDER	7	13 TO 14
JIB EXTENSION CYLINDER	8	15 TO 16
OUTPUT VERSION	9	17 TO 18
REDUCTION STAGE 306	10	19 TO 20
REDUCTION STAGE 303	11	21 TO 22
RIGHT ANGLE	12	23 TO 24
BRAKE 4F	13	25 TO 26
MOTOR ADOPTER	14	27 TO 28
PARTS COMMON TO CAST OF FAB	15	29 TO 30
FABRICATED BASE PARTS	16	31 TO 32
CAST BASE PARTS	17	33 TO 34
BRAKE VALVE ASSY.	18	35 TO 36
PLANETARY GEAR GROUP	19	37 TO 38
BRAKE GROUP	20	39 TO 40
DRUM GROUP	21	41 TO 42
BRAKE CLUTCH ASSY.	22	43 TO 44

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GROUP No. 11

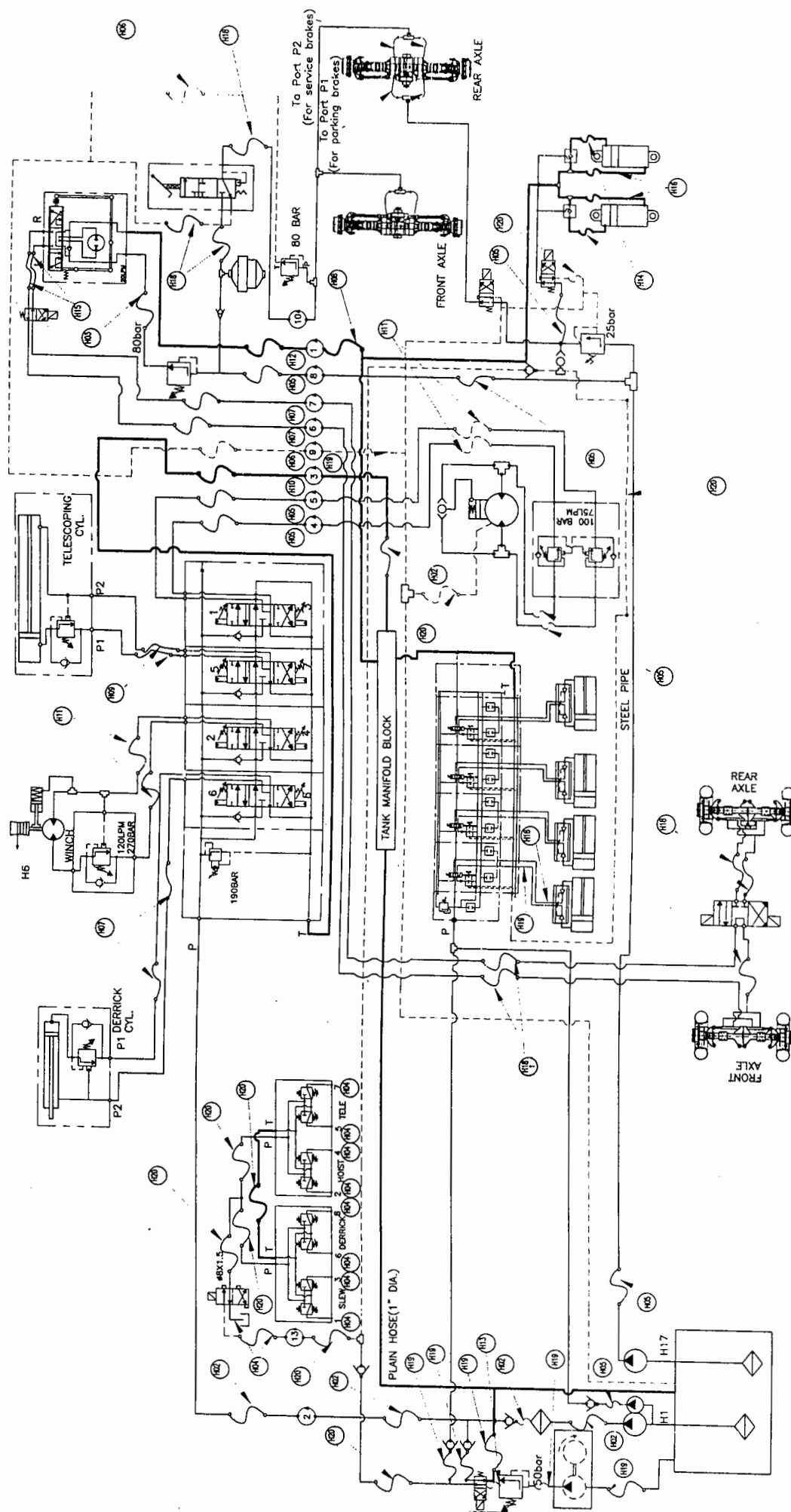
DESCRIPTION	FIGURE No.	PAGE No.
MOTOR GROUP	23	45 TO 46
PROP CYLINDER INSTALLATION	24	47 TO 48
PROP CYLINDER	25	49 TO 50
OUTRIGGER VALVE BLOCK	26	51 TO 52
CONTROL VALVE	27	53 TO 54
SINGLE SOL. D.C. VALVE	28	55 TO 56



LIST OF HYD. AGGREGATES

ECEL HK-17 CRANE**PARTS CATALOGUE**

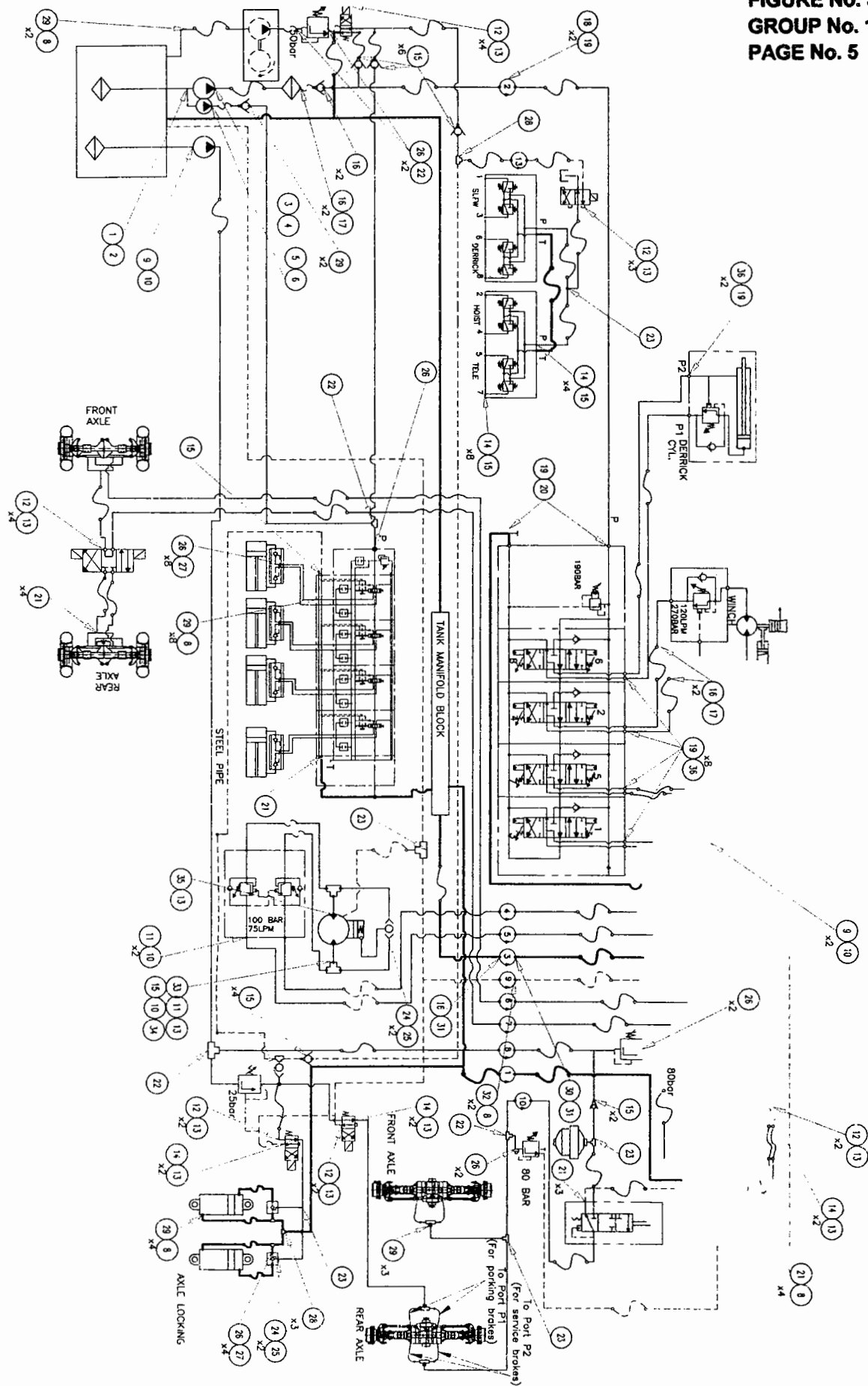
ISSUE 01	FIGURE NO. 1	HYDRAULICS - CIRCUIT	GROUP 11	PAGE 2
S.NO.	PART NO.	DESCRIPTION List Of Hyd. Aggregates - 28-A-5-020	QUANTITY	NOTE
1	28B1010	Main Control Valve	1	
2	28B1012	Outrigger Valve Block	1	
3	28B1020	Single Sol. D.C. Valve	3	
4	28B1013	Slew Valve Block	1	
5	28B1014	Shuttle Valve	1	
6	PP11181	Over Centre Valve	1	
7	28B1015	Pressure Relief Valve	3	
8	94081-236	Quick Action Stop Valve	2	
9	PP11328	HP Filter	1	
10	V12.07.001.0	Hyd. Motor (Winch)	1	
11	28B1016	Pressure Reducing Valve	2	
12	PP11721	Pedal Moudulating Valve	1	
13	PP11718	Hyd. Accumulator (EPE)	1	
14	_____	Deleted		
15	28B1017	Check Valve	2	
16	28B1011	Hyd. Joy Stick	2	
17	28B1019	Single Sol. D.C.Valve (High Press)	2	
18	40A4007	Emergency (Wind Off)	1	
19	PP11429	4WS Steering Valve Block	1	
20	PP11081	Inline Check Valve	3	



LIST OF HOSES

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 2	HYDRAULICS- CIRCUIT	GROUP 11	PAGE 4
S.NO.	PART NO.	DESCRIPTION List Of Hoses - 28-A-5-011A	QUANTITY	NOTE
H1	28C5006	Suction Hose	1	
H2	40C5003	Hose(Main Pump/Filter)	3	
H3	28C5074	Hose (SteeringPump/Unit)	2	
H4	28C5010	Hose	2	
H5	40C5013	Hose (Slew/Tank/Control Valve/Steering)	12	
H6	28C5010	Hose (Drain Line/Winch/Hyd. Collector)	10	
H7	28C5059	Hose (Derrick)	2	
H8	28C5005	Hose (Hoist)	1	
H9	28C5060	Hose (Telescopic Circuit)	2	
H10	28C5008	Hose (Tank Line)	2	
H11	28C5009	Hose ((Steering Circuit)	2	
H12	V12.30.050.0	Hose ((Steering Circuit)	1	
H13	28C5098	Hose	2	
H14	28C5061	Hose (Stability Circuit)	2	
H15	28C5096	Hose (D C Valve To Steering Unit)	2	
H16	40C5023	Hose (Stability Cylinder)	2	
H17	28V5097	Hose (Outrigger/Tank Line)	1	
H18	28C5072	Hose (Service Brake Circuit)	6	
H19	28C5065	Hose (Outrigger Cylinder)	4	
H20	28C5001	Hose	2	



LIST OF FITTINGS

ECEL HK-17 CRANE**PARTS CATALOGUE**

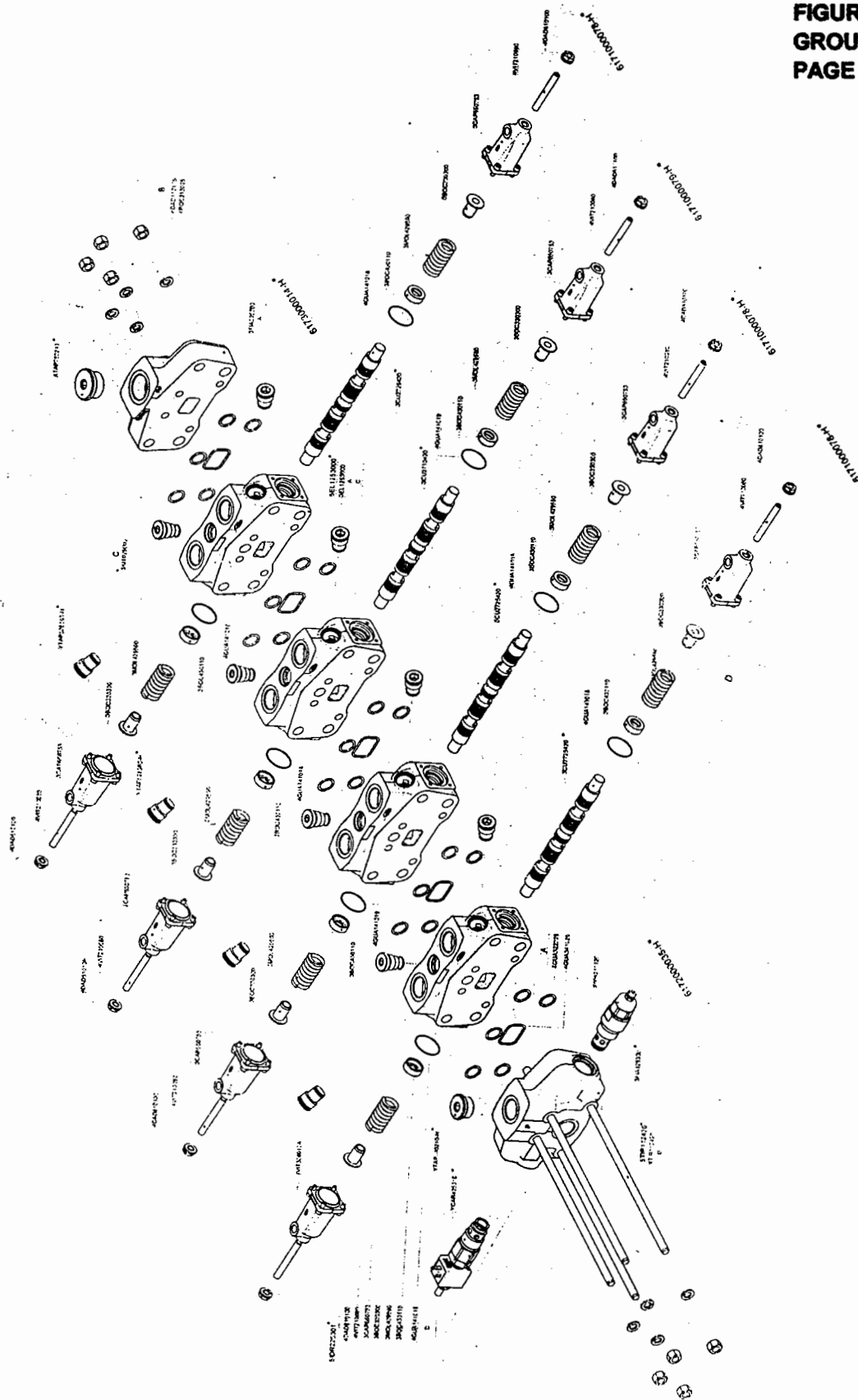
ISSUE 01	FIGURE NO. 3	HYDRAULICS - CIRCUIT	GROUP 11	PAGE 6
S.NO.	PART NO.	DESCRIPTION List Of Fittings - 28-A-5-022	QUANTITY	NOTE
1	28M5012	Elbow Adopter, Main Pump	1	
2	28C5076	Dowty Seal	1	
3	8M105403300	Dowty Seal	1	
4	28M5013	Adapter	1	
5	28M5025	Elbow	1	
6	28M5026	Check Nut	1	
7	28M5027	Suction Stand Pipe	2	
8	95601-005	Dowty Seal	33	
9	40M5002	Union	3	
10	95601-007	Dowty Seal	6	
11	40M5004	Union	3	
12	28M5031	Union	17	
13	95601-001	Dowty Seal	28	
14	40M5051	Union	20	
15	40M5010	Union	21	
16	40M5048	Union	4	
17	95601-008	Dowty Seal	3	
18	40M5014	Union	2	
19	95601-002	Dowty Seal	13	
20	28M5034	Union	1	
21	40M5005	Union	13	
22	28M5035	Special T Adaptor	2	
23	28M5037	T-Joint	4	
24	40M5054	Union	6	
25	95601-003	Dowty Seal	2	
26	40M5007	Union	22	
27	95601-004	Dowty Seal	12	
28	28F5006	T-Joint	4	
29	40M5046	Union	16	
30	40M5035	Union	1	
31	95601-008	Dowty Seal	2	
32	28M6009	Union	2	
33	28M5040	Special Block	1	
34	28M5042	O Ring	1	
35	28M5043	Special Union	1	
36	40M5022	Union	1	

HYDRAULIC PUMP ASSY.

HYD. PUMP ASSEMBLY

ECEL HK-17 CRANE**PARTS CATALOGUE**

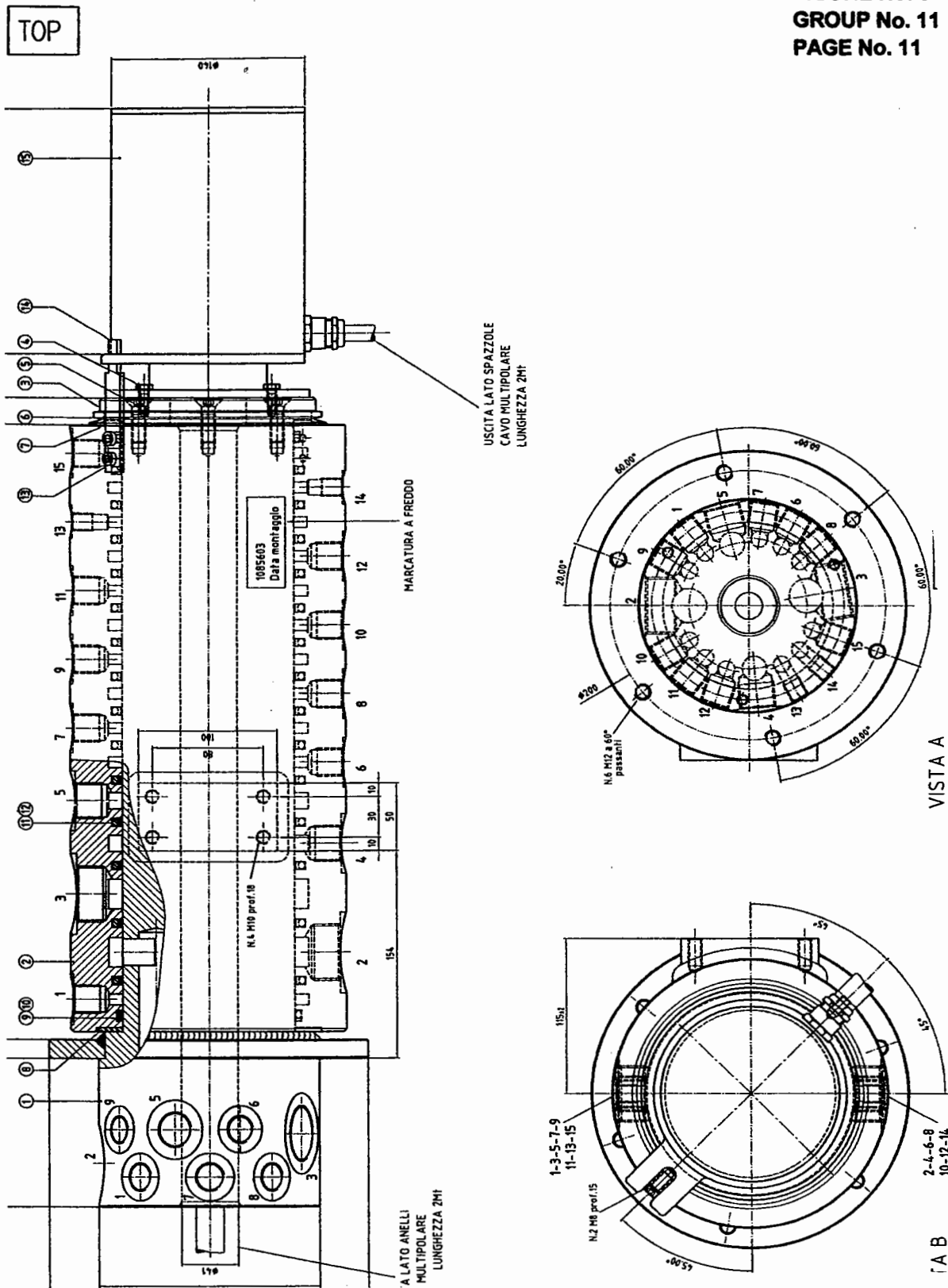
ISSUE 01	FIGURE NO. 4	HYDRAULICS - PUMP ASSY.	GROUP 11	PAGE 8
S.NO.	PART No.	DESCRIPTION Hyd. Pump Assy.	QUANTITY	NOTE
1	21029951	Body KP20	1	
2	21073580	Body HD35	1	
3	23260580	Flange KP20	1	
4	23267427	Cover HD35	1	
5	25930600	Thrust Plate	2	
6	25941645	Thrust Plate	2	
7	27720830	Drive Gear	1	
8	27750050	Driven Gear	1	
9	32752042	Drive Shaft	1	
10	32753190	Driven Gear	1	
11	34406000	Screw	4	
12	35238000	Screw	4	
13	36650100	Screw	4	
14	37185000	Grub Screw	1	
15	37390000	Washer	4	
16	37583700	Washer	4	
17	37584000	Washer	4	
18	38772000	O Ring Seal	1	
19	39073000	O Ring	1	
20	39656100	Seal	2	
21	39656180	Seal	2	
22	39666000	Parker Ring	2	
23	39666200	Seal	1	
24	40018000	Shaft Seal	2	
25	40850000	Ring	1	
26	41387100	Back Up ring	2	
27	41387200	Back Up ring	2	
28	42230000	Sleeve Bearing	4	
29	42415000	Sleeve Bearing	4	
30	43388110	Flange PL20	1	
31	43858840	Flange HD35	1	
32	45371088	Hub	1	
33	49270000	Dowel Pin	4	
34	49324000	Steel bushes	4	
35	49326000	Steel bushes	8	
36	49468020	Steel Plug	1	



DISTRIBUTOR DETAILS

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 5	HYDRAULICS - CONTROL VALVE	GROUP 11	PAGE 10
S.NO.	PART No.	DESCRIPTION Distributor Detail	QUANTITY	NOTE
1	4DAD112175	Nut	4	
2	4ROS313025	Washer	8	
3	XTIR112420	Tie Rod With Nut	4	
4	3FIA125300	Input Cover	1	
5	4GUA322226	O Ring Seal	5	
6	4GUA341026	O Ring Seal	1	
7	3ELI253000	Working Section	4	
8	4GUA322226	O Ring Seal	20	
9	4GUA341026	O Ring Seal	4	
10	3FIA225300	Outlet Cover	1	
11	3CU2710420	1/M/SD25 Spool	1	
12	3CU2725420	2/M/SD25 Spool	3	
13	SKIT025000	Kit VR25	4	
14	SIDR225301	Kit Commando	4	
15	YTAP528360-H	Plug	8	
16	X00R211120	Valve	1	
17	YCAR425310	EI25/24VDCValve	1	
18	YTAP740210-H	Plug	1	
19	XTAP750240	Plug	1	
20	3SOT132140-H	Plastic Plug	8	
21	3SOT335171-H	Plastic Plug	9	

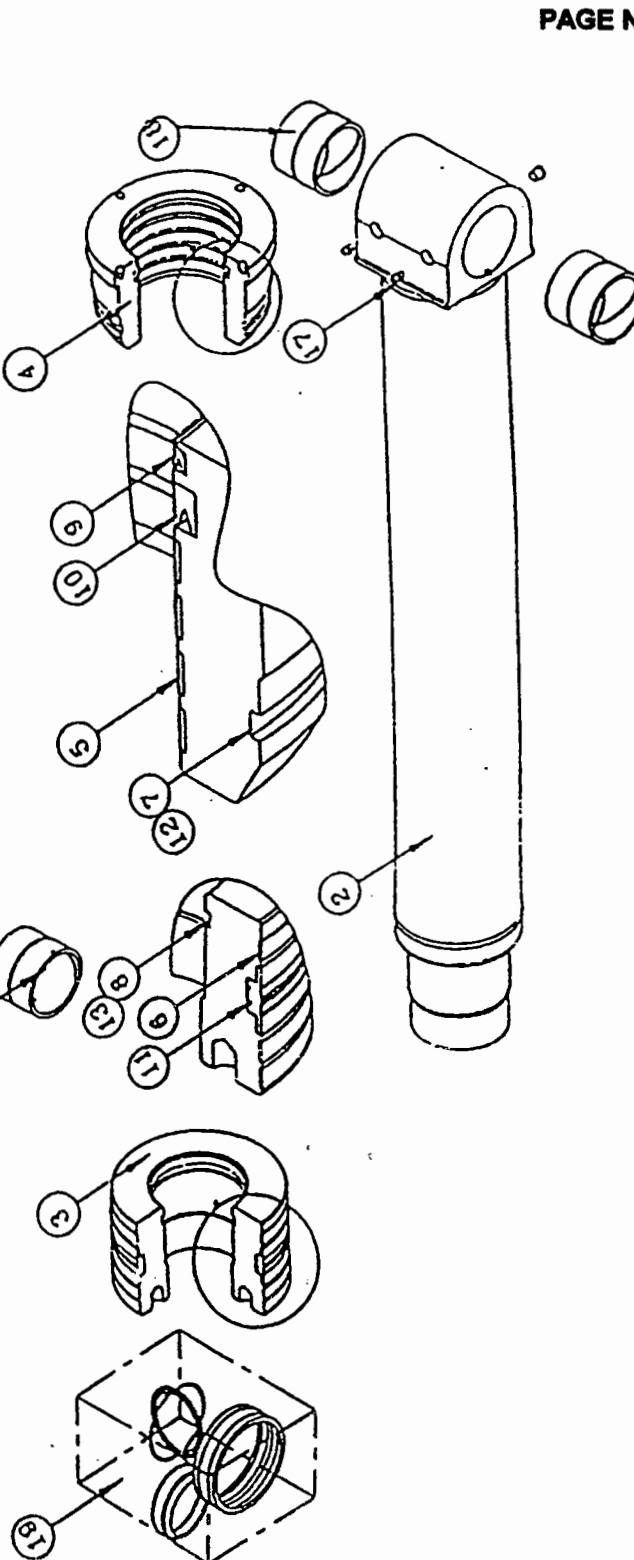


ROTARY DISTRIBUTOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 6	HYDRAULICS ROTARY JOINT	GROUP 11	PAGE 12
S.NO.	PART No.	DESCRIPTION Rotary Distributor	QUANTITY	NOTE
1	5185600	A-856	1	
2	5285600	A-856	1	
3	5385603	A-856-3	1	
4	3401106	UNI2737 - M6X15	4	
6	3401041	UNI5933 - M10X30	4	
7	3530150	V SEAL VA 150	1	
8	3531081	124X150X3	1	
9	3131134	O Ring	1	
10	3501862	123.80X5.34	2	
11	3510036	O Ring	2	
12	3501864	130.20X5.34	14	
13	3520017	124X130X5.8	14	
14	3401076	Collector Electrical	2	
15	5400016	Collector Electrical 44 Points	1	
16	3303096		1	
*	1885603	Seal Kit	1	

DERRICK CYLINDER

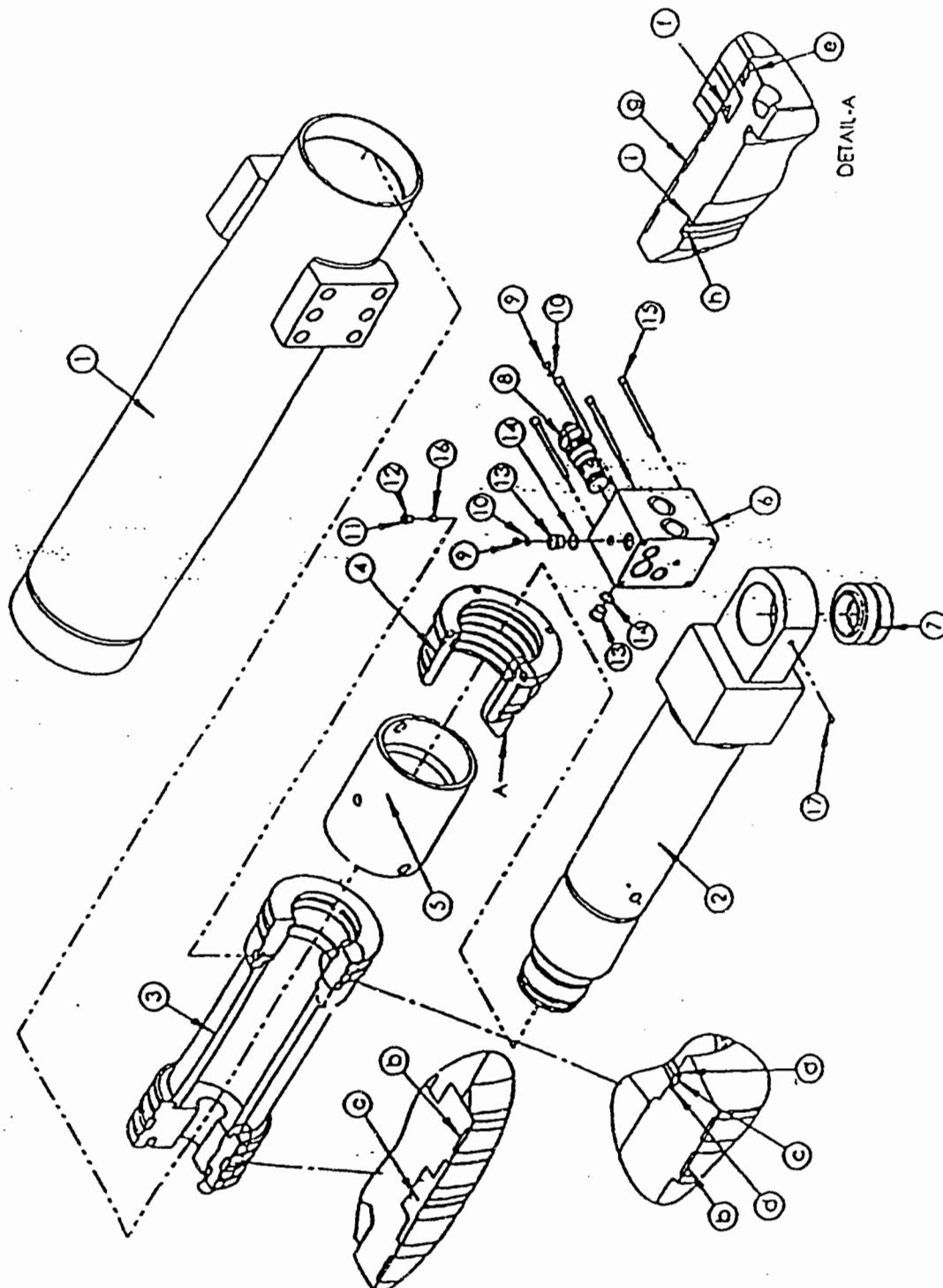


DERRICK CYLINDER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 7	HYDRAULICS DERRICK SYSTEM	GROUP 11	PAGE 14
S.NO.	PART No.	DESCRIPTION Derrick Cylinder - 28-C-3-002D	QUANTITY	NOTE
1	DC5796-702W	Tube Assy.	1	
2	DC5796-611W	Piston Rod Assy.	1	
3	DC796-490	Piston	1	
4	DC5796-231	Gland	1	
5 *	SSI5015025C	Syldring	4	
6 *	SR22015025C	Syldring	3	
7 *	S01905R	O Ring (Gland)	1	
8 *	S01205R	O Ring (Piston)	1	
9 *	SW150G	Rod Wiper	1	
10 *	SG150G	Rod Seal	1	
11 *	SP200G	Piston Seal	1	
12 *	SB1911200R	B/U Ring	1	
13 *	SB1201282R	B/U Ring	2	
14	FG0610000B	Setscrew	5	
15	C002P	Bonded Seal	2	
16	CAP02P	Allen Plug	2	
17	FE10100	Grease Nipple	4	
18	DC5796-055	Bush	4	
19	ICE300F35S3	Overcenter Valve	1	
20	SDR-2371.000	Seal Kit	1	

**BOOM EXT.
CYLINDER**

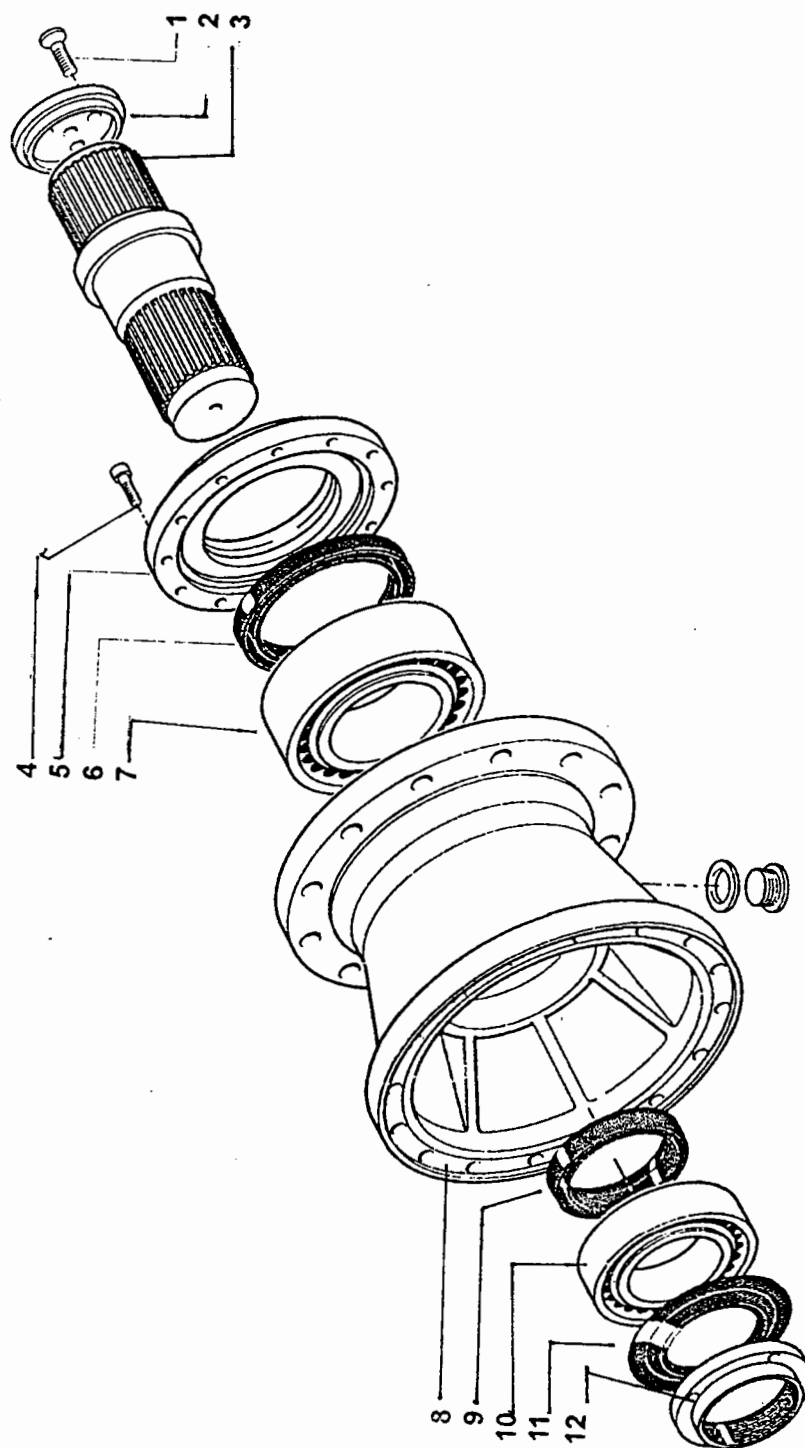


JIB EXTENSION CYLINDER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE	FIGURE NO. 8	HYDRAULICS	GROUP 11	PAGE 16
01		BOOM EXTN. SYSTEM		
S.NO.	PART No.	DESCRIPTION	QUANTITY	NOTE
		Jib Extension Cylinder		
1	DC5795-702WR2	Cylinder Tube Weldment	1	
2	DC5795-611WR4	Piston Rod Sub Assy.	1	
3	DC5795-490SR1	Piston Sub Assy.	1	
4	DC5795-231	Gland	1	
5	DC5795-660R1	Spacer	1	
6	DC5795-383	Manifold	1	
7	GEZ63E5	SPH. Bearing	1	
8	1CE300F35S3	Overcenter Valve	1	
9	CAP011P	Bleeder Plug Assy. 1/8" BSP	2	
10	FCW01P	Copper Washer	2	
11	CAP02P	Allen Plug Assy. 1/4" BSP	1	
12	C002P	Bonded Seal 1/4" BSP	1	
13	CAP041P	Allen Plug Assy. 1/2" BSP	2	
14	C004P	Copper Washer	2	
15	FA008125105	Allen Bolt	5	
16	FG10150010	Grub Screw M10x1.5x10	1	
17	FE10100	Grease Nipple	1	
18	DC5795-650R1	Seal Kit (Consist A to I)	1	
a	SP200S	Piston Seal	1	
b	SR20015025C	Slydring	4	
c	SO1205R	O Ring	1	
d	SB1201282R	B/U Ring	2	< Supply in kit only
e	SW1250S	Wiper	1	
f	SG150S	Rod Seal	1	
g	S515015025C	Slydring	4	
h	SO1905R	O Ring	1	
i	SB191200112R	B/U Ring	1	
—	SDR-2388.000	Seal Kit	1	

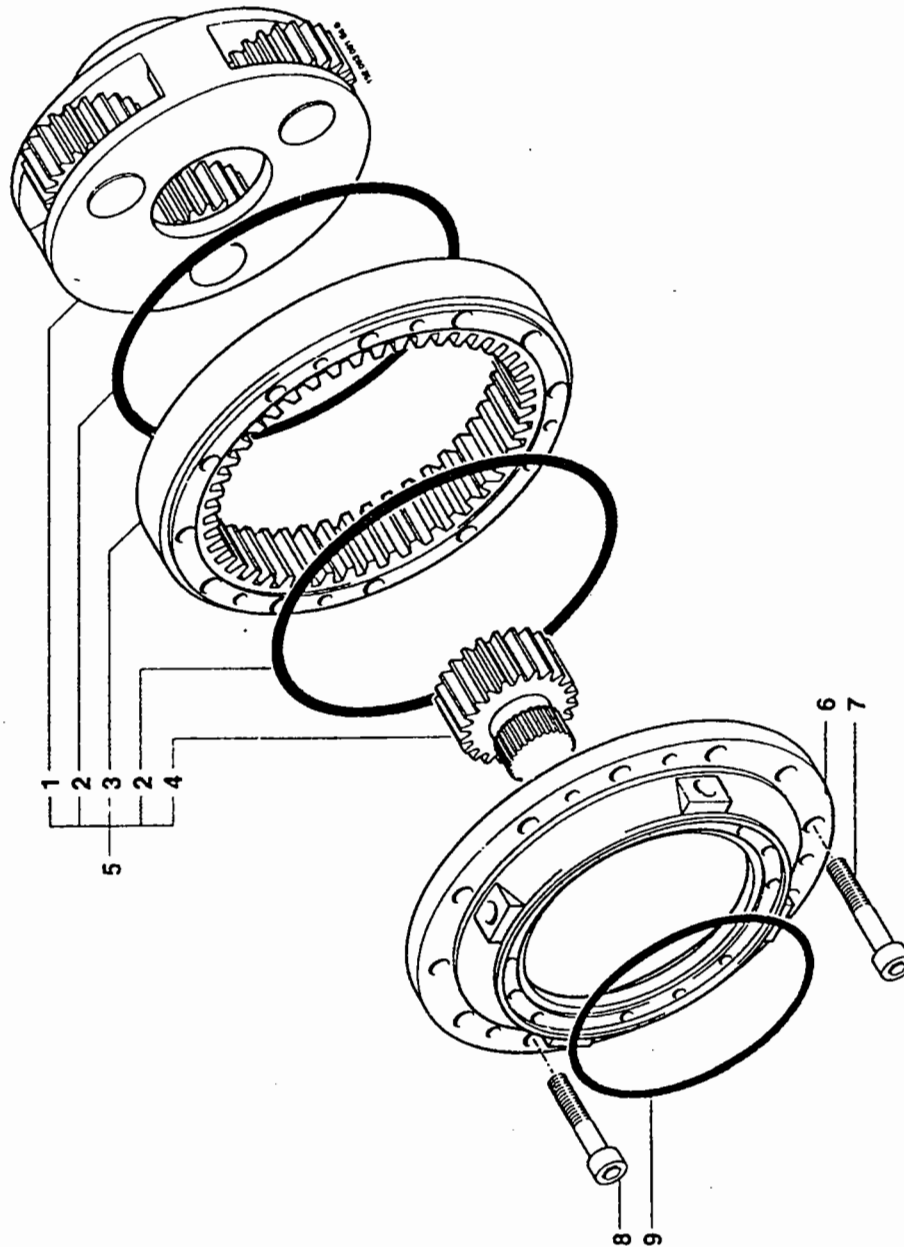
SLEW SYSTEM



OUTPUT VERSION

ECEL HK-17 CRANE**PARTS CATALOGUE**

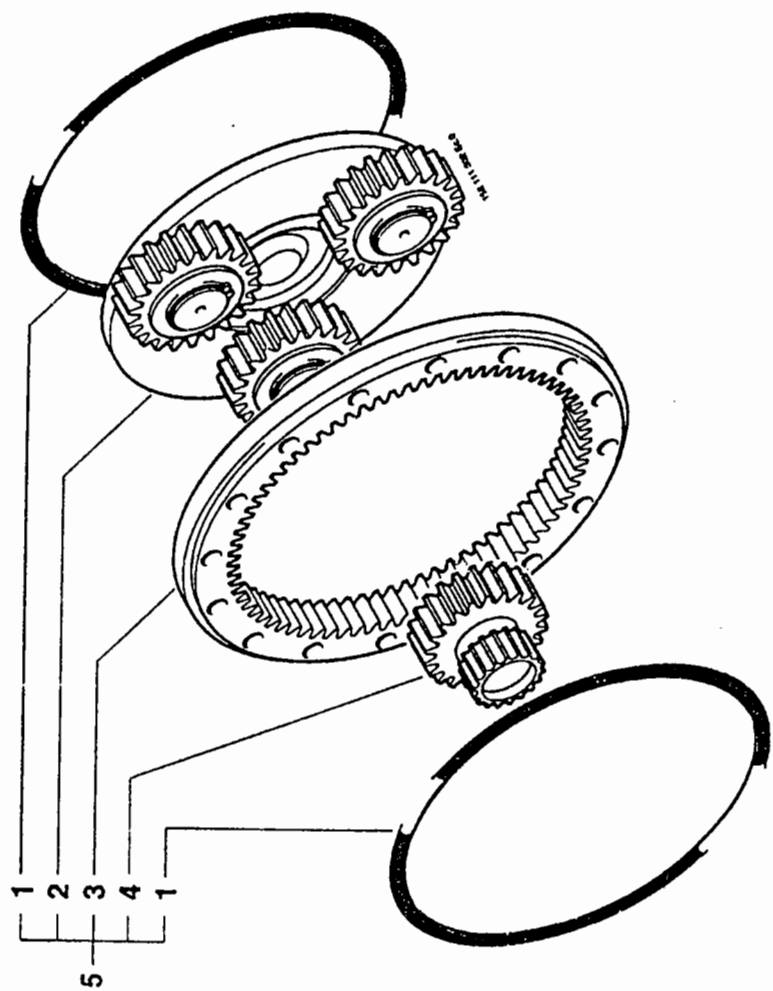
ISSUE 01	FIGURE NO. 9	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 18
S.NO.	PART No.	DESCRIPTION - SLEW GEAR BOX Output Version 706T F	QUANTITY	NOTE
1	720887003A	Screw	3	
2	6670500041	Stop Bottom Plate	1	
3	6630040491	Splined Shaft	1	
4	720953003A	Screw	6	
5	6657002090	Cover	1	
6	710310011	Seal Ring	1	
7	712760086	Bearing	1	
8	6650008130	Gerbox Housing	1	
9	710300882A	Seal Ring	1	
10	712760063	Bearing	1	
11	712710024	Nilos Ring	1	
12	6660000092	Nut	1	



REDUCTION STAGE

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 10	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 20
S.NO.	PART No.	DESCRIPTION - SLEW GEAR BOX Reduction Stage 306	QUANTITY	NOTE
1	2T235334020	Reduct. Assembly	1	
2	715303410	O Ring	2	
3	6641010030	Toothed Ring	1	
4	6643010060	Sun Gear	1	
5	2T235634020	Reduction Stage	1	
6	6653500580	Cover	1	
7	6653500920	Cover	1	
8	720955014A	Screw	12	
9	720955012A	Screw	4	
10	720965008	Screw	12	
11	720967007	Screw	4	
12	715303268A	O Ring	1	

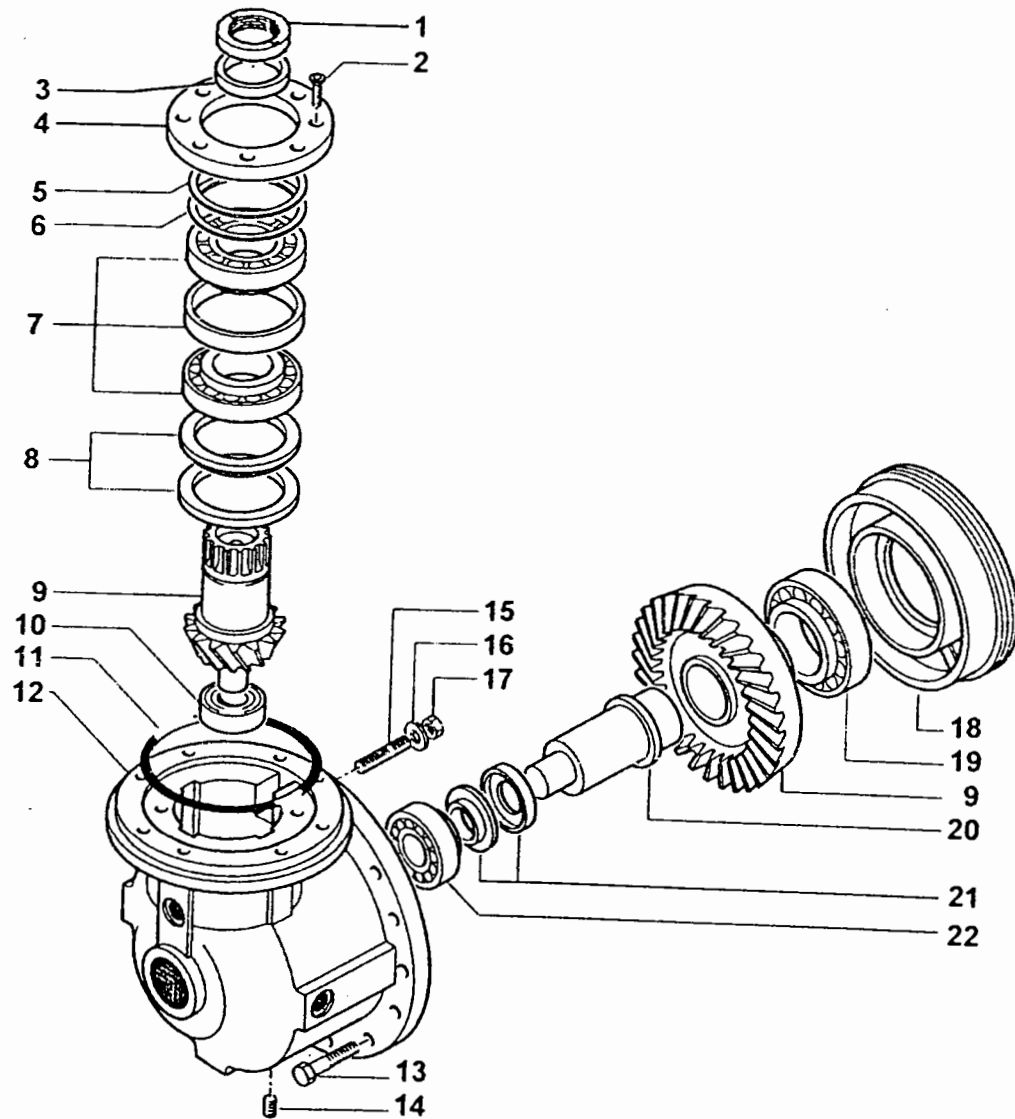


REDUCTION STAGE 303

ECEL HK-17 CRANE

PARTS CATALOGUE

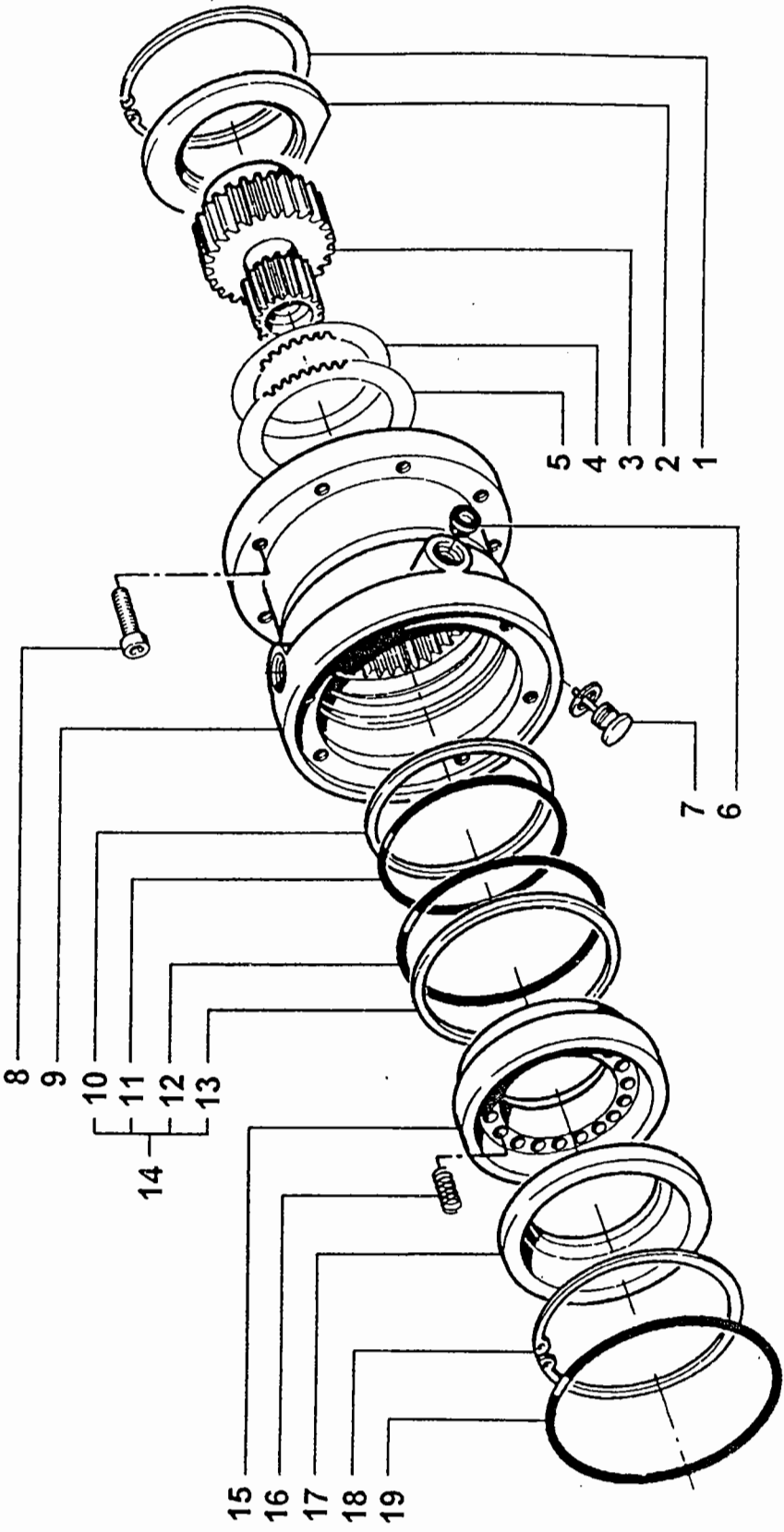
ISSUE 01	FIGURE NO. 11	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 22
S.NO.	PART No.	DESCRIPTION - SLEW GEAR BOX Reduction Stage 303	QUANTITY	NOTE
1	71530268A	O Ring	2	
2	2T235332020	Reduct. Assy.	1	
3	6641000360	Toothed Ring	1	
4	6643000200	Sun Gear	1	
5	2T235632020	Reduction Stage	1	



RIGHT ANGLE

ECEL HK-17 CRANE**PARTS CATALOGUE**

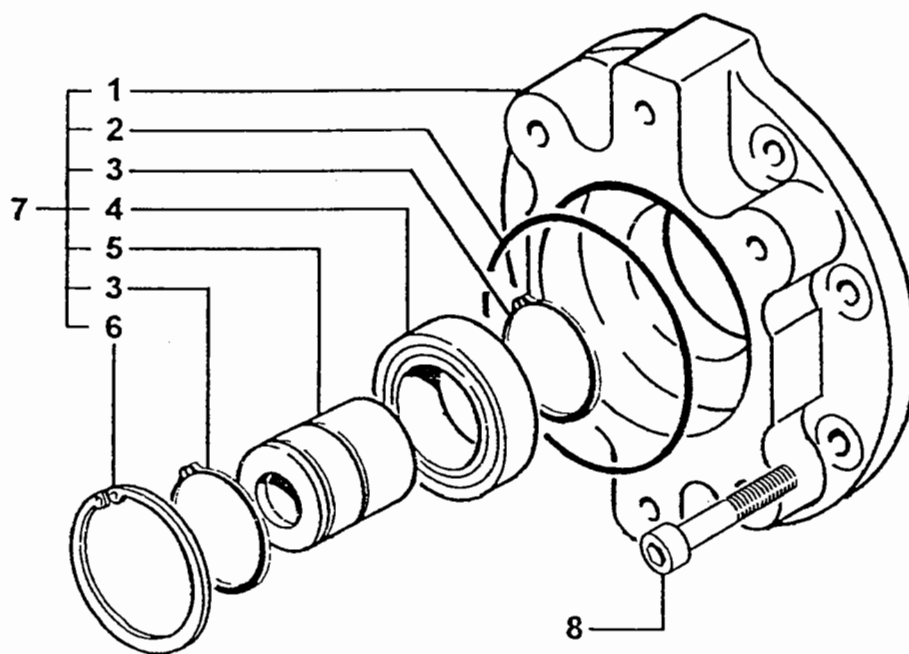
ISSUE 01	FIGURE NO. 12	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 24
S.NO.	PART No.	DESCRIPTION - SLEW GEAR BOX Right Angle	QUANTITY	NOTE
1	714500010A	Nut	1	
2	720885005A	Screw	4	
3	6662003630	Spacer	1	
4	6660300381	Connecting Flange	1	
5	712770100A	Spacer	2	
6	712770101A	Spacer	2	
7	712769156	Bearing	1	
8	6661500640	Spacer	1	
9	6667505060	Bevel Gear	1	
10	712769011	Bearing	1	
11	715303245A	O Ring	1	
12	6652000270	Housing	1	
13	720954010A	Screw	10	
13	720971020A	Screw	13	
13	720954010A	Screw	6	
13	720954013A	Screw	10	
13	720954013A	Screw	10	
14	721035005	Screw	1	
15	721982005A	Stud Bolt	2	
15	721982019A	Stud Bolt	2	
15	721982005A	Stud Bolt	2	
15	721982019A	Stud Bolt	2	
15	721982019A	Stud Bolt	2	
16	718012001A	Washer	2	
17	713006003A	Nut	2	
18	6660000290	Nut	1	
19	712758034	Bearing	1	
20	6632520010	Hub	1	
21	6661500620	Spacer	1	
22	712758026	Bearing	1	



BRAKE 4F

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 13	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 26
S.NO.	PART No.	DESCRIPTION - SLEW GEAR BOX Brake 4F	QUANTITY	NOTE
1	718299091	Circlip	1	
2	66620002471	Spacer	1	
3	6633030471	Brake Shaft	1	
4	6680700100	Steel Ring	5	
5	6680900090	Sintered Disc	6	
6	718416007	Plug	1	
7	6682500271	Oil Level Plug	1	
9	6652500442	Housing Brake	1	
10	722369010	Back Up Ring	1	
11	715307157	O Ring	1	
12	715307251	O Ring	1	
13	722369023	Back Up Ring	1	
14	2T279970100	Sealing Brake Kit	1	
15	6635050130	Piston	1	
16	6680000110	Spring	12	
17	6660300120	Disc Pushing	1	
18	718299099	Circlip	1	
19	715303245A	O Ring	1	

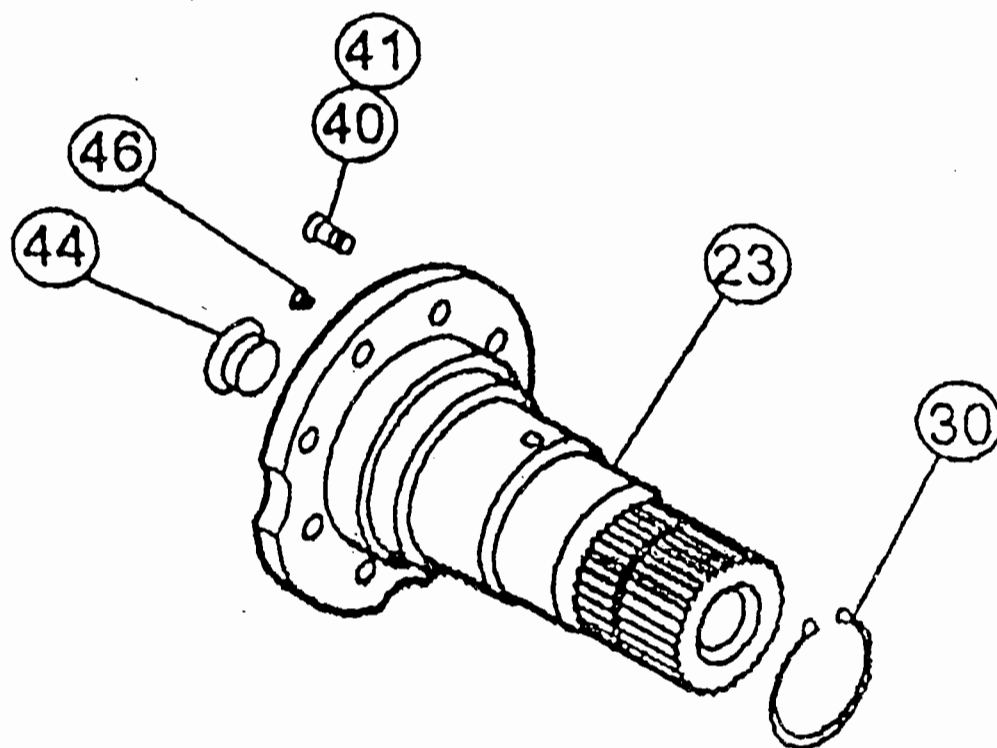


MOTOR ADAPTOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 14	HYDRAULICS SLEW SYSTEM	GROUP 11	PAGE 28
S.NO.	PART No.	DESCRIPTION Slew Motor Adaptor S5CA	QUANTITY	NOTE
1	6654503861	Motor Adaptor	1	
2	715303397	O Ring	1	
3	718298752	Circlip	2	
4	712753055	Bearing	1	
5	6646001931	Coupling	1	
6	718299076A	Circlip	1	
7	2T238776010	Motor Adaptor	1	
	720954016A	Screw	8	
	720954021A	Screw	8	
	720954030A	Screw	8	
	720954017A	Screw	8	
	720954022A	Screw	8	
	720954027A	Screw	8	
	720954005A	Screw	8	
	720954016A	Screw	8	
	720954021A	Screw	8	
	720954005A	Screw	8	
	720954017A	Screw	8	
	720954022A	Screw	8	
	720954005A	Screw	8	
	720954016A	Screw	8	
	720954005A	Screw	8	
	720954017A	Screw	8	
	720954013A	Screw	8	
	720954005A	Screw	8	
	720954013A	Screw	8	
	720954005A	Screw	8	

HOIST SYSTEM

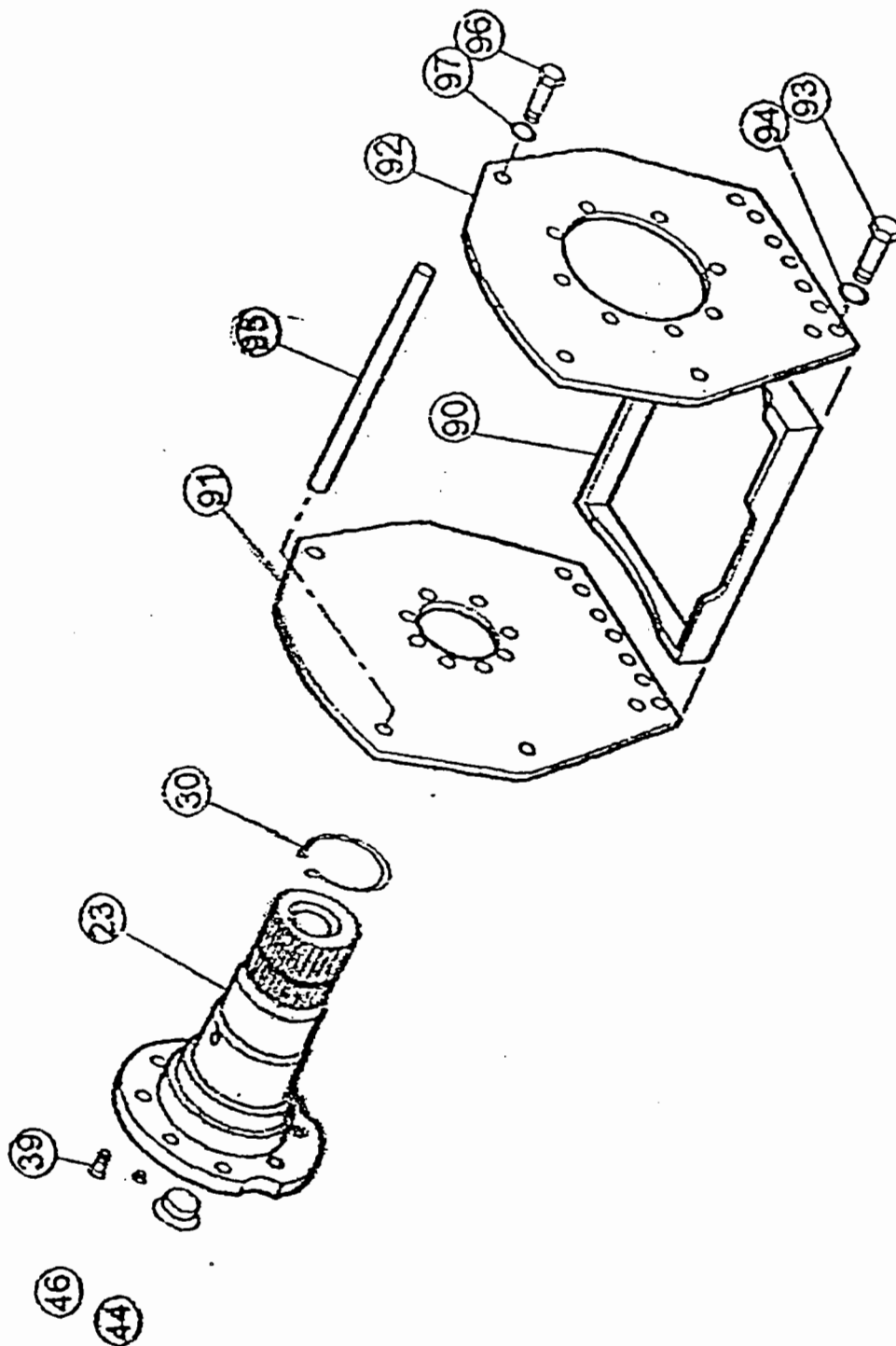


PARTS COMMON TO CAST OR FABRICATED BASE

ECEL HK-17 CRANE

PARTS CATALOGUE

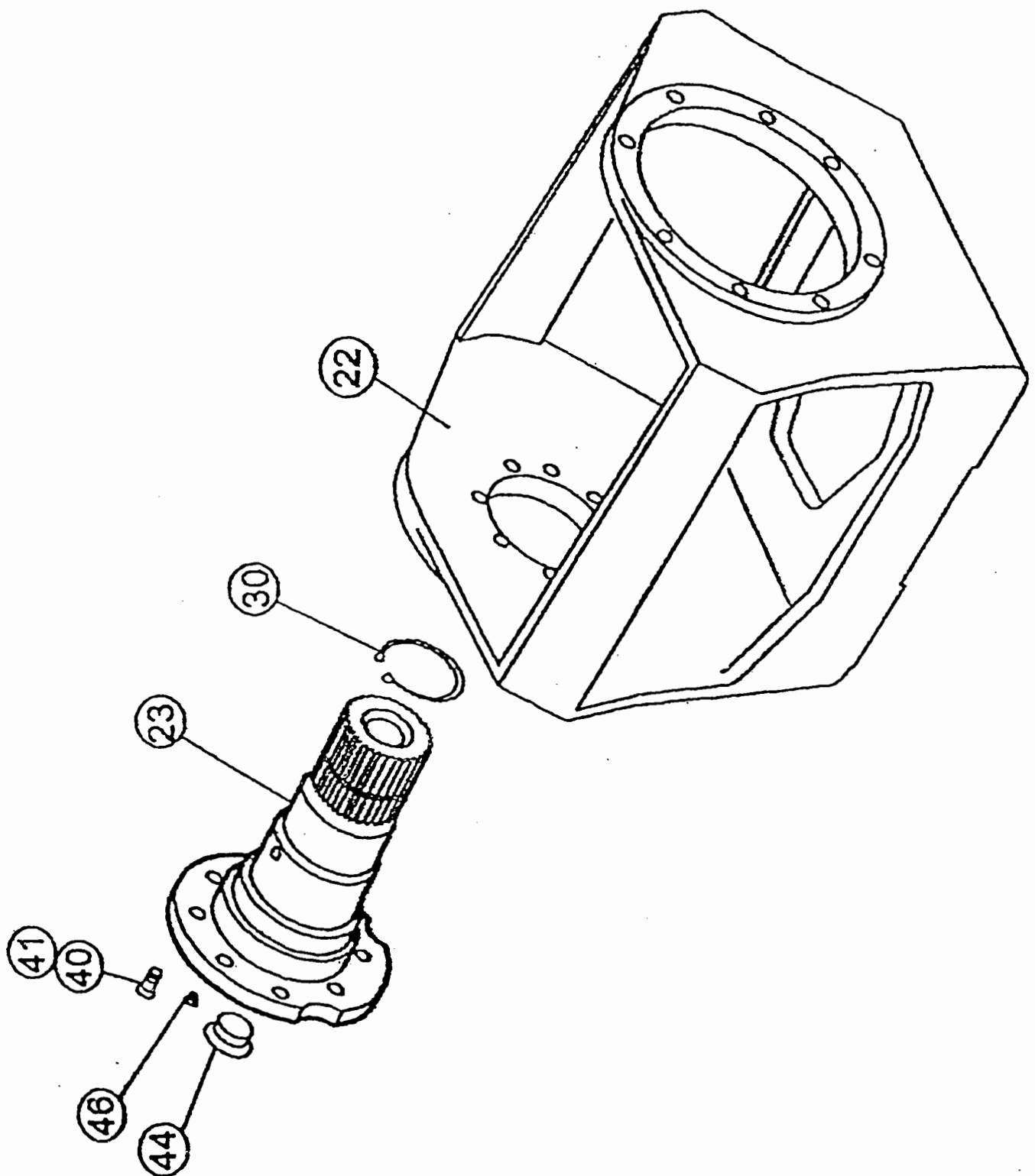
ISSUE 01	FIGURE NO. 15	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 30
S.NO.	PART No.	DESCRIPTION Parts Common To Cast Or Fabricated Base	QUANTITY	NOTE
23	101645	Bearing Support (04 Drum)	1	
23	101644	Bearing Support (05 drum)	1	
30	70575	Retaining Ring	1	
44	31386	Plug (Standard Winches)	1	
44	25958	Sight Glass (-1 Option)	1	
46	18062	Plug , Vent	1	



FABRICATED BASE PARTS

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 16	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 32
S.NO.	PART No.	DESCRIPTION Fabricated Base Parts	QUANTITY	NOTE
39	25096	Capscrew (-13x Flathead ,Nylon insert)	8	
90	26344	Base Plate	1	
91	27212	Side Plate (Bearing Support End) 04 Drum	1	
92	27213	Side Plate (Motor End) 04 Drum	1	
93	103314	Capscrew (Special)	16	
94	12781	Washer (External Tooth)	16	
95	26233	Tie Bar (04 Drum)	2	
96	104174	Capscrew (- 13 x G8 Z)04 Drum	4	
97	11026	Lockwasher () 04 Drum	4	

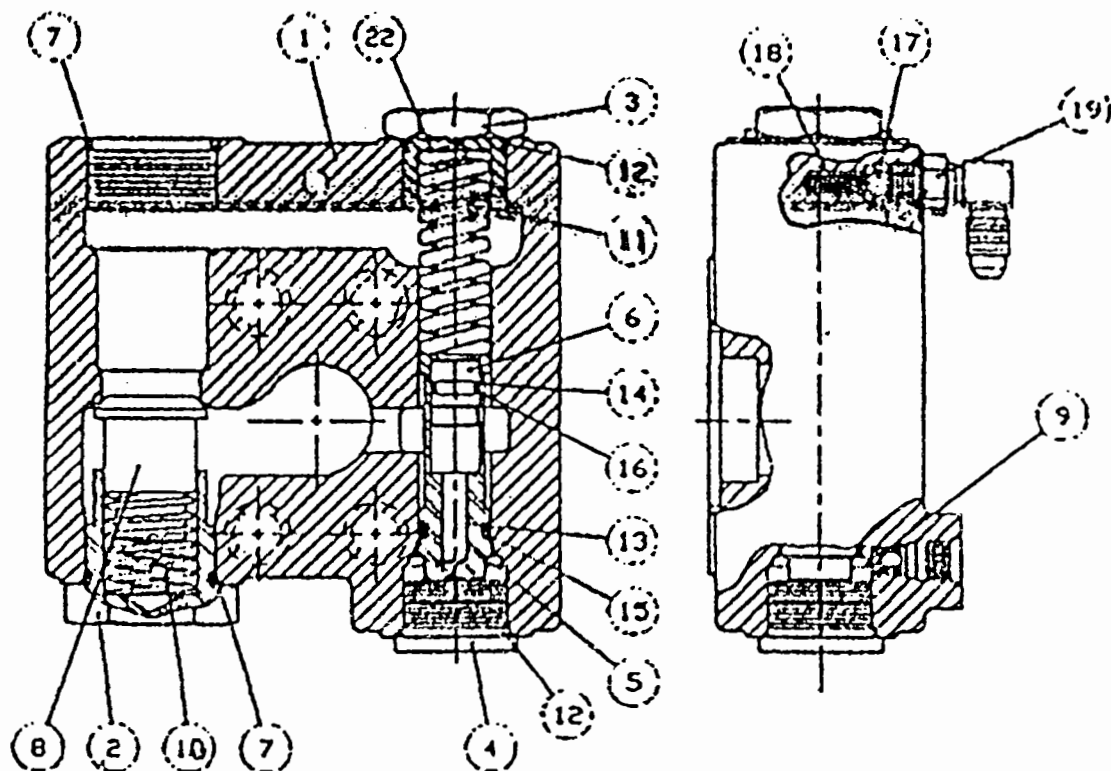


CAST BASE PARTS

ECEL HK-17 CRANE

PARTS CATALOGUE

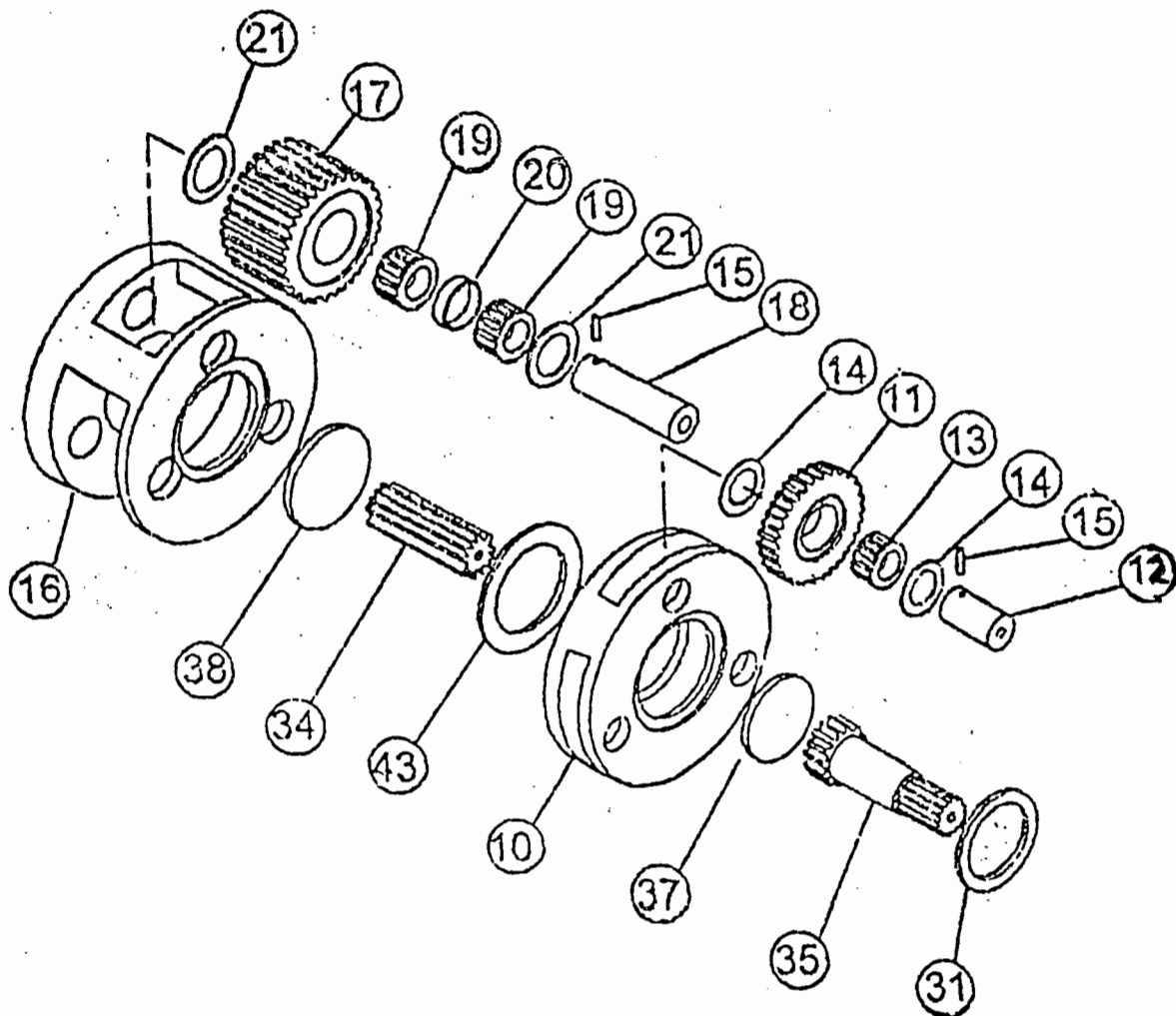
ISSUE 01	FIGURE NO. 17	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 34
S.NO.	PART No.	DESCRIPTION Cast Base Parts	QUANTITY	NOTE
22	25615	Base (Right Hand)	1	
22	101074	Base (Left Hand)	1	
40	104322	Capscrew Soc. Head	8	
41	11026	Lockwasher	8	



BRAKE VALVE ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

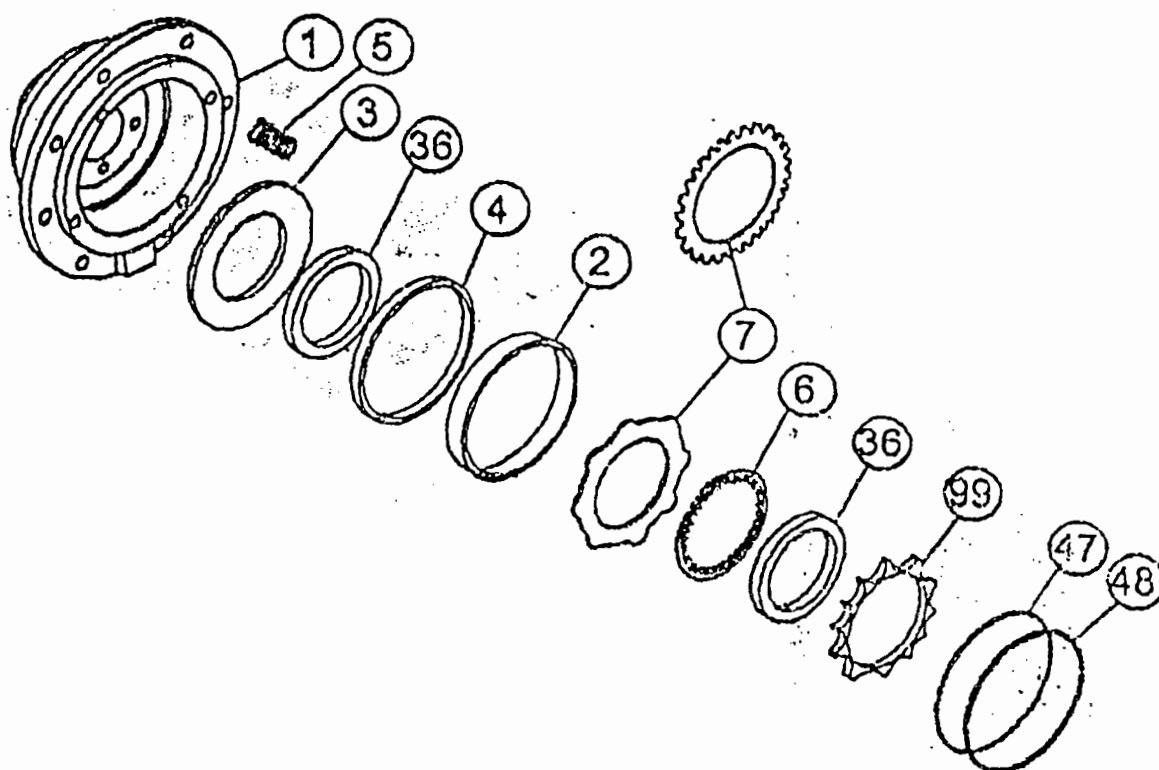
ISSUE 01	FIGURE NO. 18	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 36
S.NO.	PART No.	DESCRIPTION Brake Valve Assy.	QUANTITY	NOTE
1	NSS	Valve Housing	1	
2	NSS	Spring Retainer	1	
3	NSS	Spring Retainer	1	
4	NSS	Plug	1	
5	NSS	Spool	1	
6	NSS	Damper Piston	1	
7 *	24186	"O" Ring	2	
8	NSS	Check Valve Poppet	1	
9	24200	Pilot Orifice	1	
10	24190	Check Valve Spring	1	
11	24192	Spool Spring	1	
12 *	23601	"O" Ring	2	
13 *	24193	"O" Ring	1	
14 *	24194	"O" Ring	1	
15 *	24195	Back up Ring	1	
16 *	24196	Backup Ring	1	
17	21158	Check Ball	1	
18	25480	Check Ball Spring	1	
19	25302	Elbow Fitting	1	
20	25661	Valve Spring Shim	-	
 NSS : - Not Serviced Separately, Order Complete Brake Valve Assy. * Mark Items Included In Brake Valve O Ring Kit Part No. 61567				



PLANETARY GEAR GROUP

ECEL HK-17 CRANE**PARTS CATALOGUE**

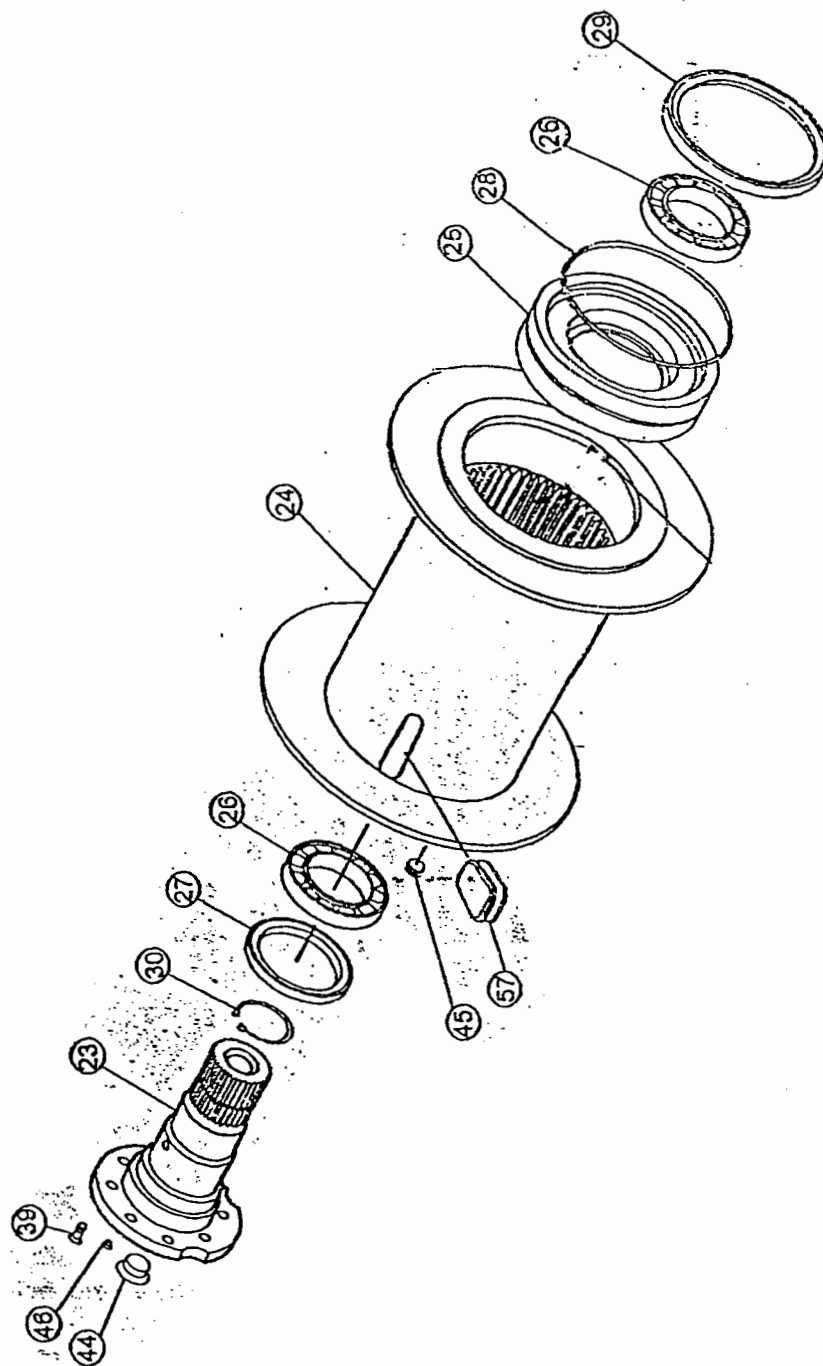
ISSUE 01	FIGURE NO. 19	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 38
S.NO.	PART No.	DESCRIPTION - HOIST GEAR BOX Planetary Gear group	QUANTITY	NOTE
10	100852	Primary Plannet Carrier	1	
11	26466	Primary Planet Gear	3	
12	25614	Primary Planet Gear Shaft	3	
13	24175	Bearing	3	
14	25361	Thrust Washer	6	
15	24113	Rollpin (Primary Planet Carrier)	3	
15	23584	Rollpin (Output Planet Carrier)	3	
16	25602	Output Planet Carrier	1	
17	26467	Output Planet Gear	3	
18	25613	Output Planet Gear Shaft	3	
19	25292	Bearing	6	
20	25443	Bearing Spacer	3	
21	24306	Thrust Washer	6	
31	40128	Thrust Washer	1	
34	100854	Output Sun Gear	1	
35	26479	Primary Sun Gear	1	
37	25729	Primary Thrust Plate	1	
38	25638	Output Thrust Plate	1	
43	40129	Thrust Washer	1	



BRAKE GROUP

ECEL HK-17 CRANE**PARTS CATALOGUE**

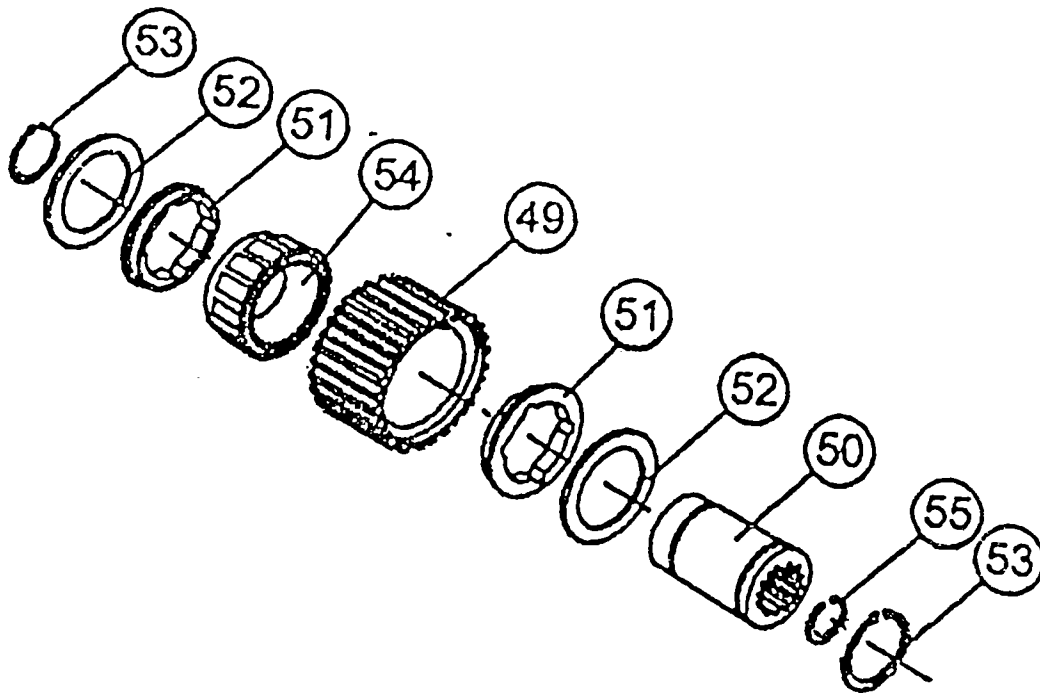
ISSUE 01	FIGURE NO. 20	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 40
S.NO.	PART No.	DESCRIPTION - HOIST GEAR BOX Brake Group	QUANTITY	NOTE
1	100035	Brake Cylinder (Lobed Disc)	1	
1	25564	Brake Cylinder (Splined Disc)		
2	25642	Seal	1	
3	25635	Pressure Plate	1	
4	25636	Backup Ring	1	
5	25644	Spring	12	
6	21036	Disc -Friction	7	
7	100027	Disc -Steel (Lobed)	8	
7	21029	Disc - Steel (Splined)		
36	25637	Spacer	2	
41	11026	Lockwasher	8	
42	29855	Capscrew	4	
47	24981	"O" Ring	1	
48	25643	Backup Ring	1	
99	100200	Spring Spacer	1	



DRUM GROUP

ECEL HK-17 CRANE**PARTS CATALOGUE**

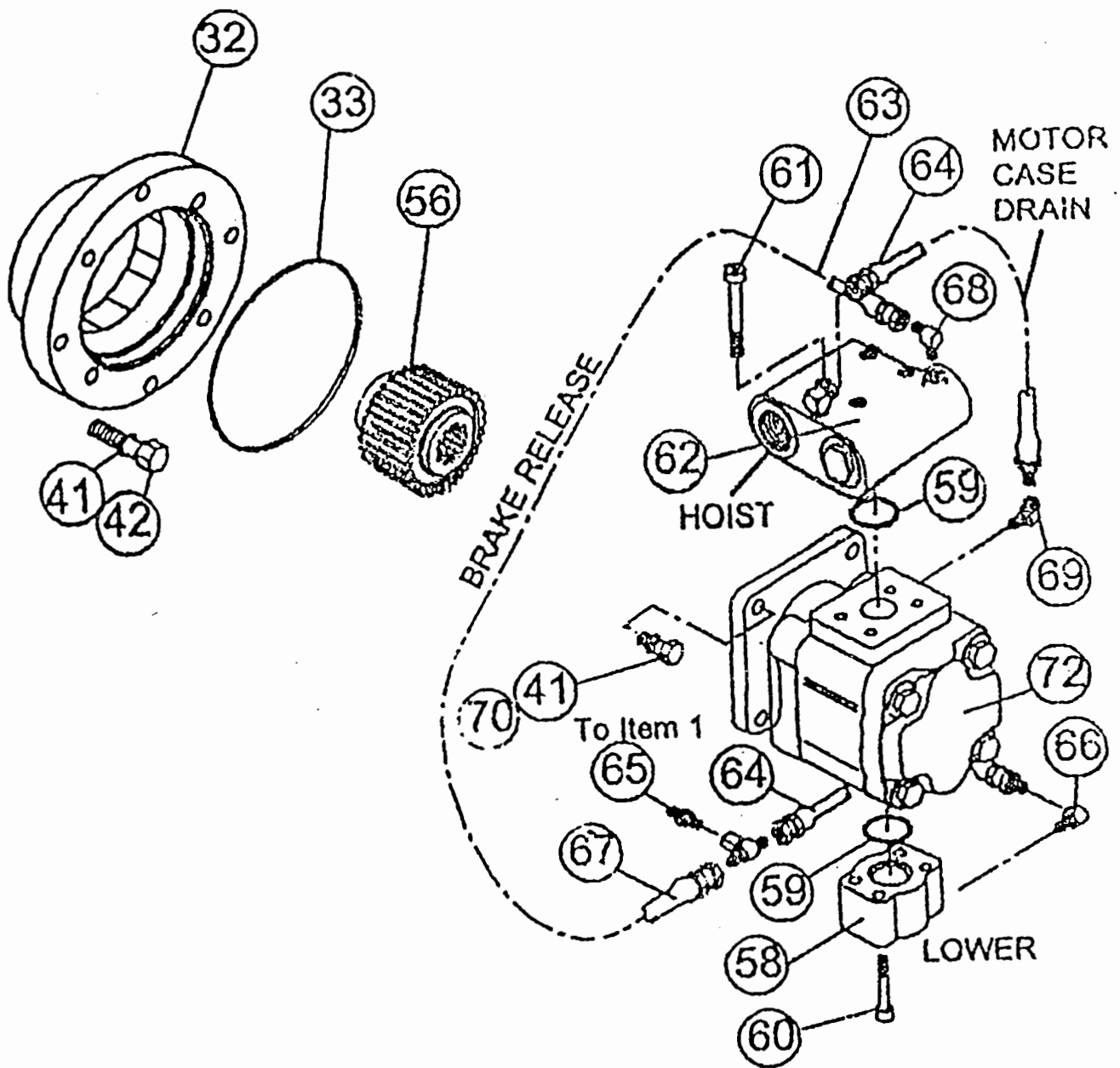
ISSUE 01	FIGURE NO. 21	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 42
S.NO.	PART No.	DESCRIPTION Drum Group	QUANTITY	NOTE
24	28832	Cable Drum (04)	1	
24	26464	Cable Drum (05)	1	
25	27866	Drum Closure (04 drum)	1	
25	26480	Drum Closure (05 drum)	1	
26	24110	Bearing	2	
27	24109	Seal	1	
28	76208	"O" Ring	1	
29	22818	Seal	1	
45	32411	Plug , Drain	1	
57	24494	Cable Anchor (in . 10 mm)	1	
57	40130	Cable Anchor (in . 10 mm)	1	
57	24492	Cable Anchor (in . 10 mm)	1	
57	24413	Cable Anchor (in . 10 mm)	1	



BRAKE CLUTCH ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 22	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 44
S.NO.	PART No.	DESCRIPTION Brake Clutch Assy.	QUANTITY	NOTE
49	NSS	Outer Brake Race	1	
50	NSS	Inner Brake Race	1	
51	27684	Sprag Bearing	2	
52	24581	Thrust Washer	2	
53	12034	Retaining Ring	2	
54	NSS	Sprag Clutch	1	
55	24031	Retaining Ring	1	

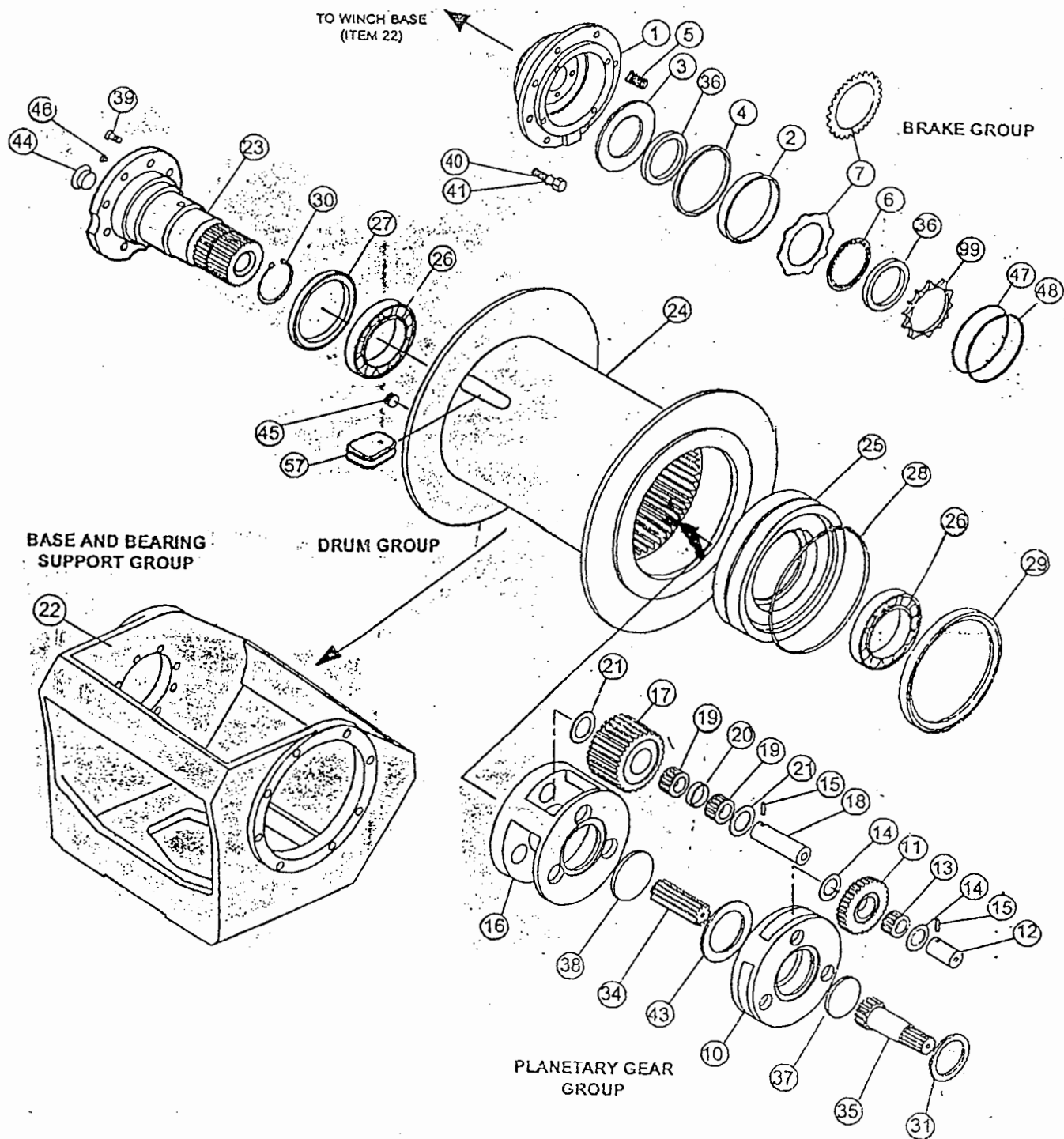


MOTOR GROUP

ECEL HK-17 CRANE**PARTS CATALOGUE**

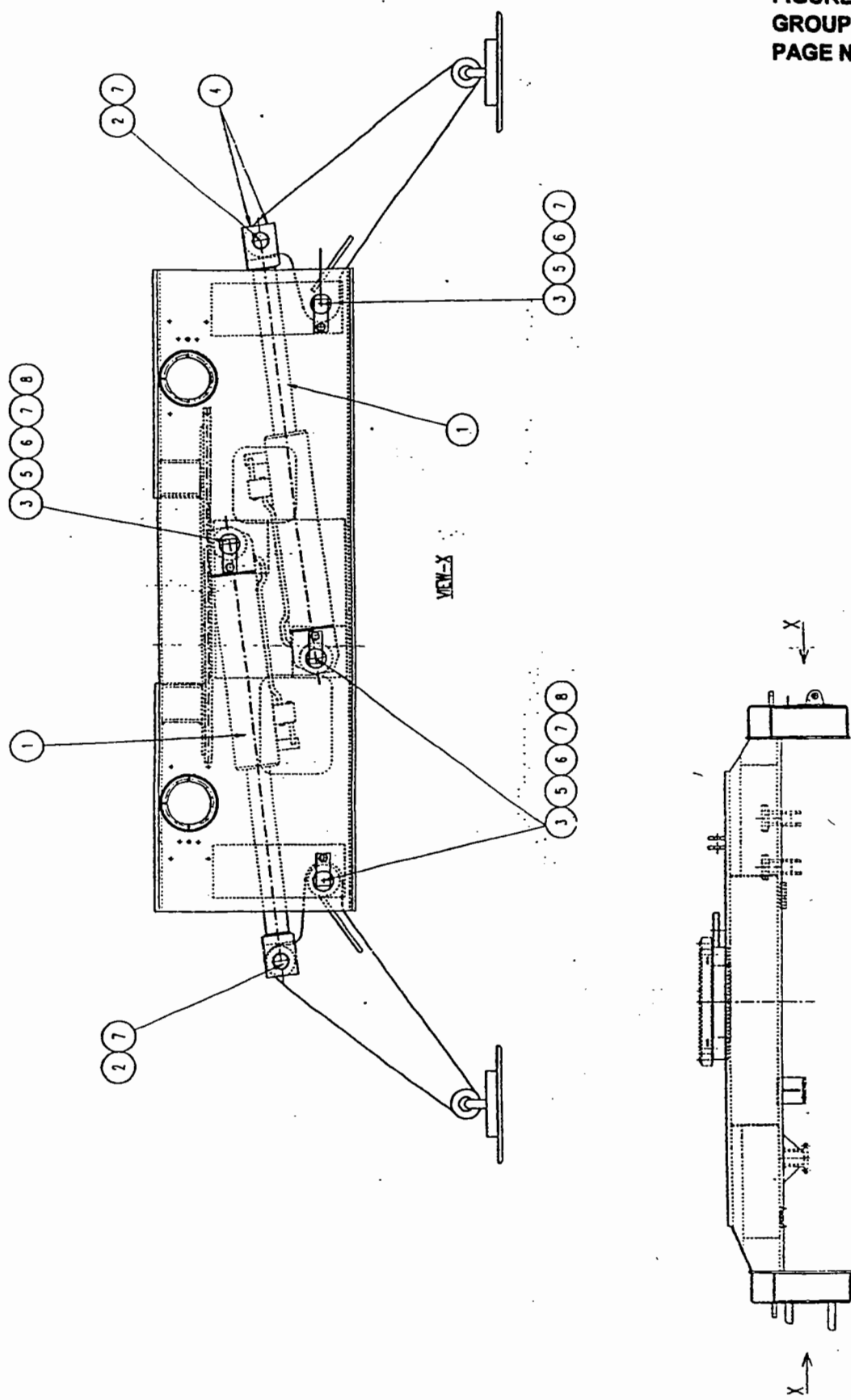
ISSUE 01	FIGURE NO. 23	HYDRAULICS HOIST SYSTEM	GROUP 11	PAGE 46
S.NO.	PART No.	DESCRIPTION Motor Group	QUANTITY	NOTE
32	100028	Motor Support	1	
33	10330	"O" Ring	1	
41	11026	Lock Washer	8	
42	29855	Capscrew	4	
56	81716	Brake Clutch Assembly	1	
58	24779	Adapter /Manifold	1	
59	13838	"O" Ring	1	
60	21144	Capscrew	4	
61	21134	Capscrew	4	
62	81712	Brake Valve	1	
63	25749	Hose (Brake Release)	1	
64	13707	Hose (Case Drain)	1	
65	25864	Adapter	1	
66	21163	Elbow	1	
67	25748	Swivel Tee	1	
68	25302	Elbow	1	
69	24236	Elbow	1	
70	104174	Capscrew	4	
71	25750	Hose	1	
83	21150	"O" Ring	1	

**INTERNAL
VIEW
OF DRUM
ASSY.**



HOIST SYSTEM DRUM ASSY.

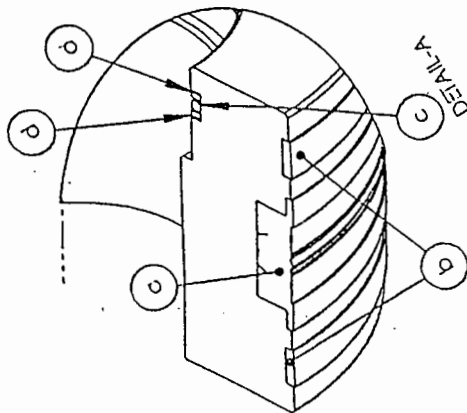
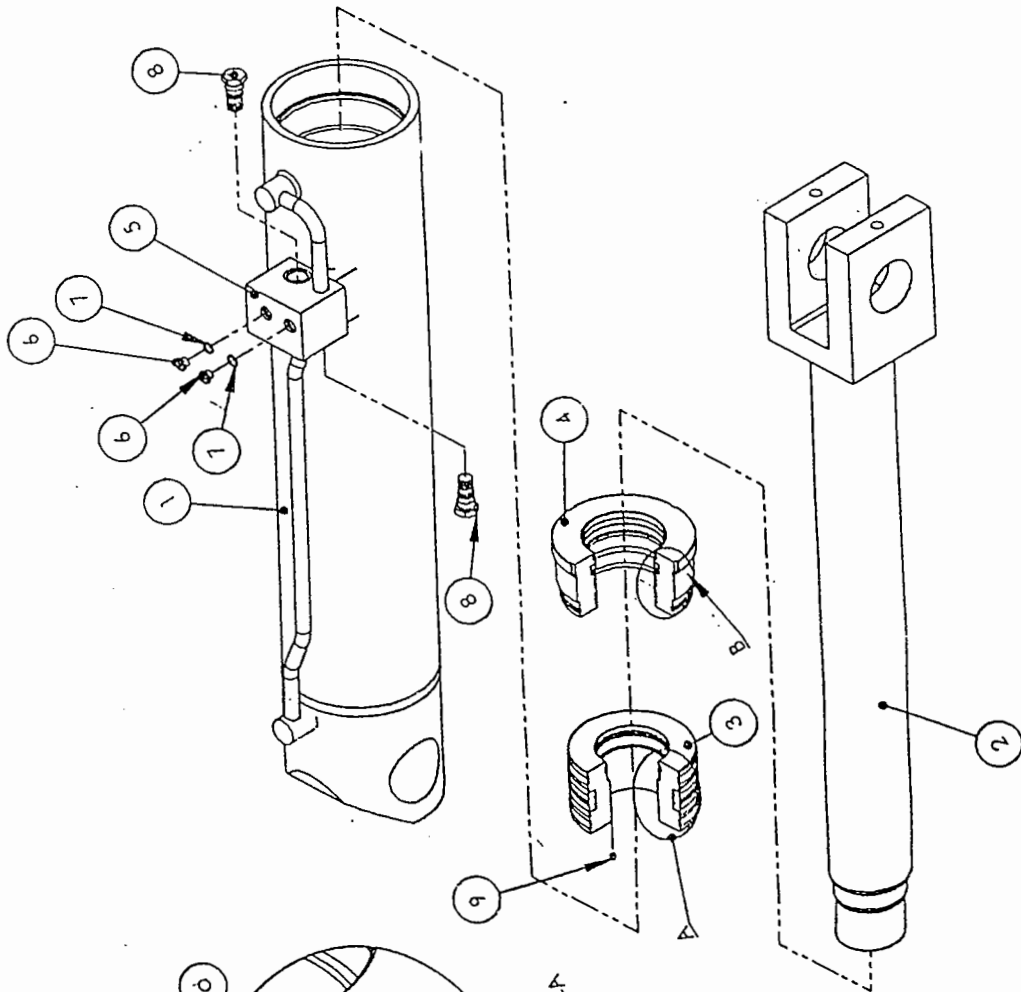
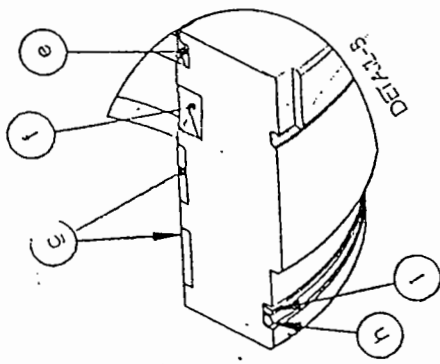
OUTRIGGER SYSTEM



PROP CYLINDER INSTALLATION

ECEL HK-17 CRANE**PARTS CATALOGUE**

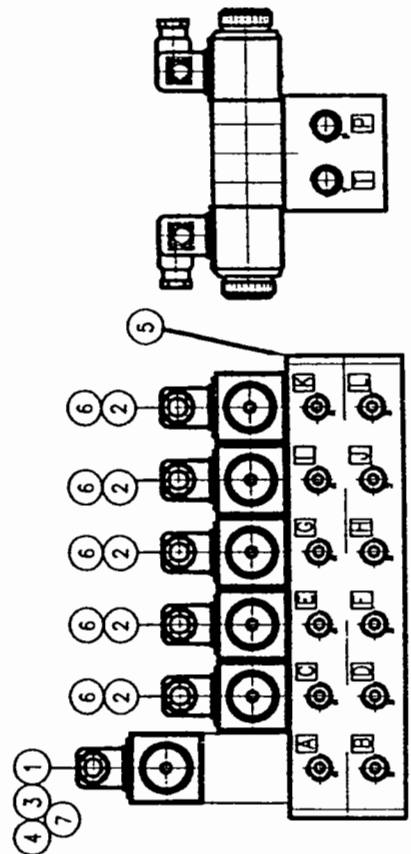
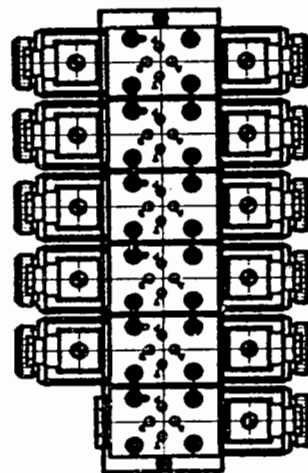
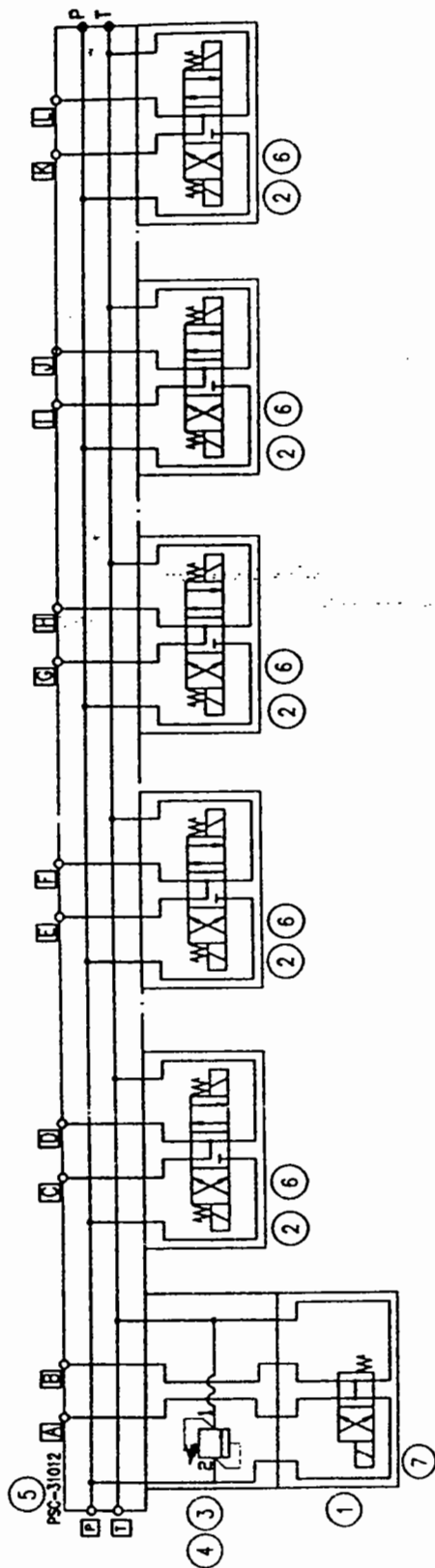
ISSUE 01	FIGURE NO. 24	HYDRAULICS OUTRIGGER	GROUP 11	PAGE 48
S.NO.	PART No.	DESCRIPTION Prop Cylinder Installation - 28-A-1-025	QUANTITY	NOTE
1	28C1203	Prop Cylinder	4	
2	33170-124	Prop Cyl. Pin	4	
3	33770-1731	Pin	8	
4	8ISG10C2070	Grub Screw	8	
5	B1.16x30-8.8G	Hex Bolt	8	
6	W2.16	Spring Washer	8	
7	94911-002	grease Nipple	12	
8	28M1073	Spacer	8	



PROP CYLINDER

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 25	HYDRAULIC SYSTEM OUTRIGGER	GROUP 11	PAGE 50
S.NO.	PART No.	DESCRIPTION Prop Cylinder V12.06.056.0	QUANTITY	NOTE
1	_____	Cylinder Tube Weldment	1	
2	_____	Piston Rod Sub Assy.	1	
3	_____	Piston	1	
4	_____	Gland	1	
5	_____	Manifold	1	
6	_____	Allen Plug Assy.	2	
7	_____	Bonded Seal	2	
8	_____	P..O.CHECK VALVE	2	
9	_____	Grub Screw	1	
10	_____	Seal Kit (Consist of A to I)	1	
A	_____	Piston Seal	1	
B	_____	Slydring	2	
C	_____	O Ring	1	
D	_____	Back Up Ring	2	
E	_____	Wiper	1	
F	_____	Rod Seal	1	
G	_____	Slydring	2	
H	_____	O Ring	1	
I	_____	Back Up Ring	1	
—	SDR-2373.000	SEAL KIT	1	



OUTRIGGER VALVE BLOCK

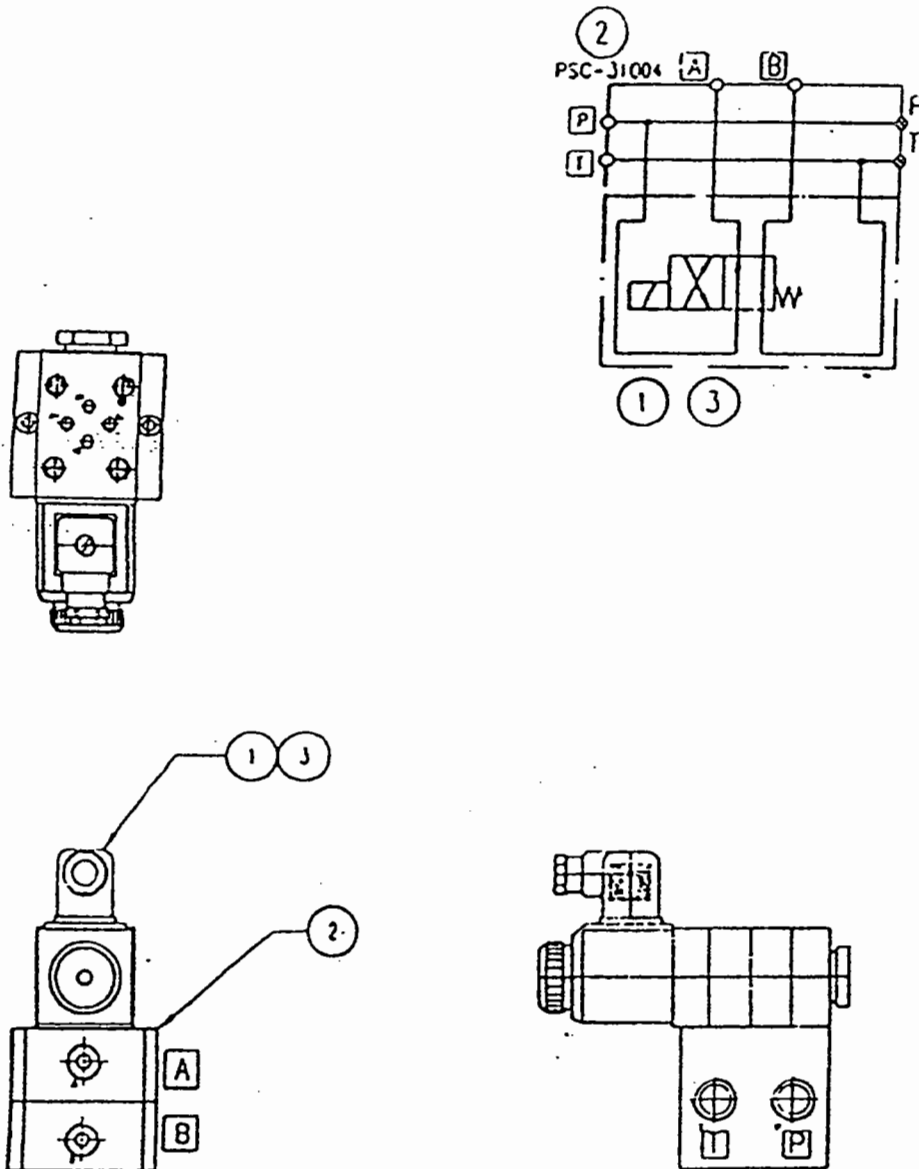
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 26	HYDRAULIC SYSTEM OUTRIGGER SYSTEM	GROUP 11	PAGE 52
S.NO.	PART No.	DESCRIPTION OUTRIGGER CONTROL VALVE BLOCK	QUANTITY	NOTE
1	_____	Dir Contd VLV .DG4V-3S-08-M-U1-H5-60	1	
2	_____	Dir Contd VLV .DG4V-3S-6C-M-U1-H5-60	5	
3	_____	Relief Valve RV3-10-C-0-36 (1565772)	1	
4	_____	Manifold Block PSC-34359 (RV3)	1	
5	_____	Manifold Block PSC-31012 (CETOP3-6STN.)	1	
6	_____	Allen Bolts M5x30L	20	
7	_____	Allen Bolts M5x90L	4	



ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 27	HYDRAULIC SYSTEM OUTRIGGER SYSTEM	GROUP 11	PAGE 54
S.NO.	PART No.	DESCRIPTION Control Valve	QUANTITY	NOTE
1	2SOEJ08002013	Spool	2	
2	2X4350024	Solenoid Coil	2	
3	3ANEM6200	Distance Piece	1	
4	380CH9020	Spring Retainer	1	
5	380CM9123	Spring Retainer	1	
6	3GIU112610	Spool A	1	
7	3GIU316440	Spool B	1	
8	3MOL420450	Spring	1	
9	3VIT206065	Orifice	1	
10	4GUA108718	Orifice	2	
11	4GUA711726	Thrust Washer	1	
12	4VIT605100	Bolt	1	
13	XANE230210	Sleeve Support	1	
14	XCIL128723	Valve Body	1	
15	XPIS228580	Spool Sleeve	1	
16	XSUP220520	Support	1	



SINGLE SOL. D.C.VALVE

ECEL HK-17 CRANE**PARTS CATALOGUE**

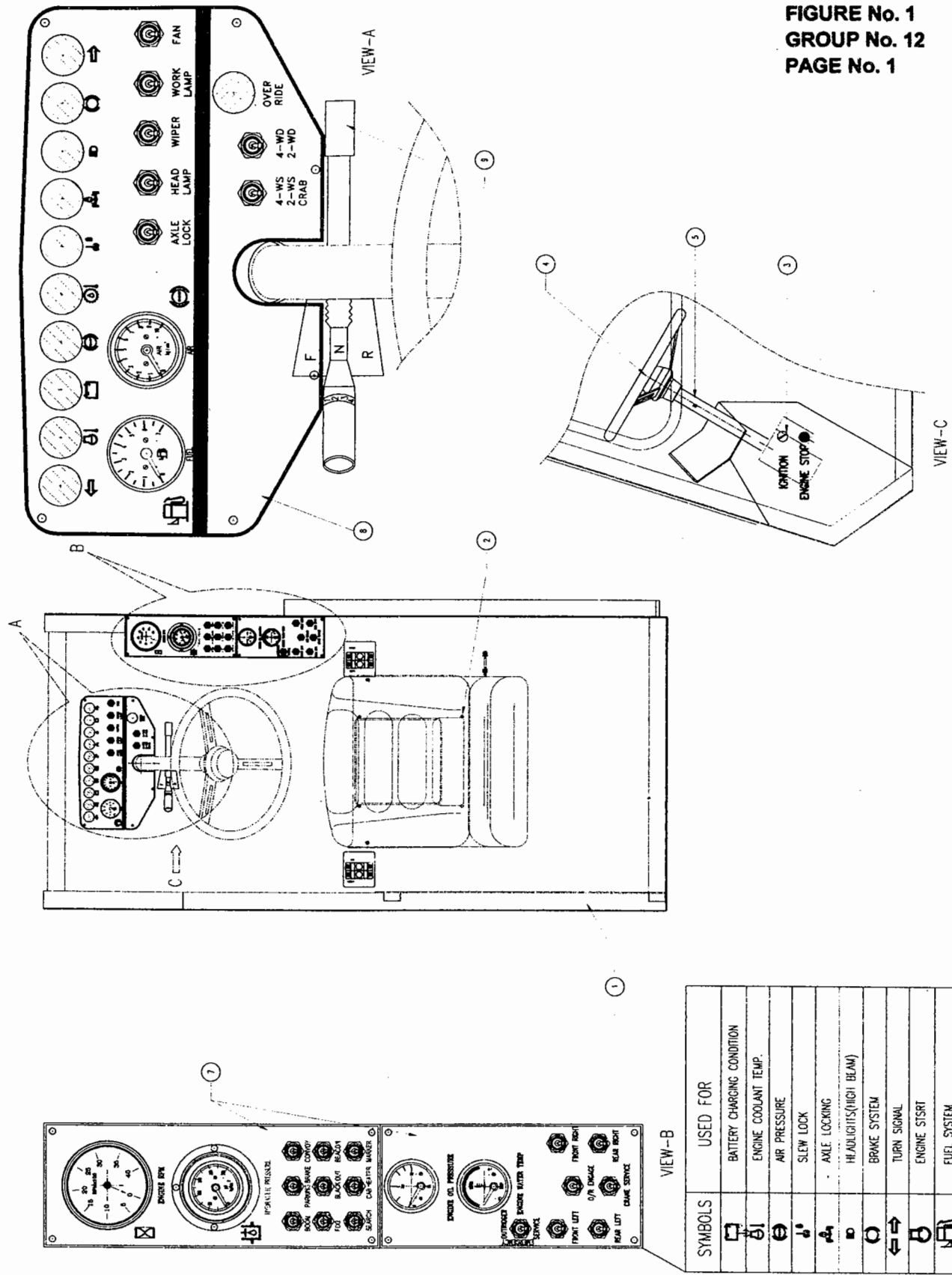
ISSUE 01	FIGURE NO. 28	HYDRAULIC SYSTEM OUTRIGGER SYSTEM	GROUP 11	PAGE 56
S.NO.	PART No.	DESCRIPTION Single Sol. D.C.Valve	QUANTITY	NOTE
1	PP11424	Dir. Cont. VLV	3	
2		Manifold Block PSC - 31004 C/A	3	
3		Allen Bolts M5 X 30L	12	
	PP11424	Single Sol. D.C.Valve	1	

DASHBOARD & ELECTRICALS

INDEX

GROUP No. 12

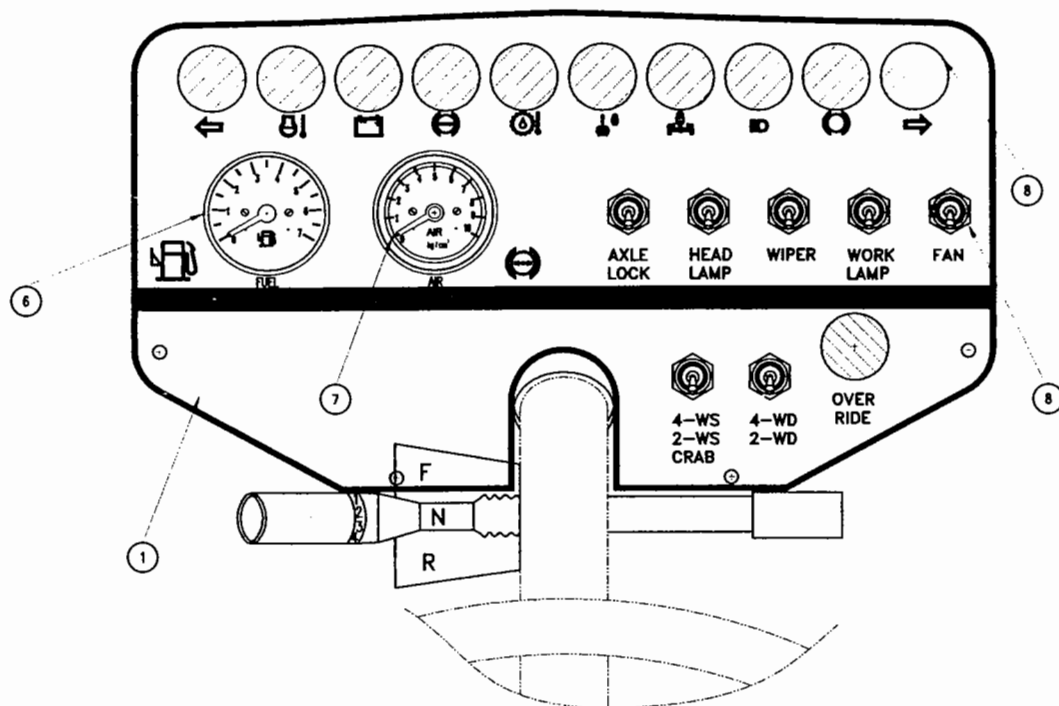
DESCRIPTION	FIGURE No.	PAGE No.
CABIN ASSY. COMPLETE	1	1 TO 2
MAIN DASHBOARD INSTALLATION	2	3 TO 4
SIDE DASHBOARD INSTALLATION	3	5 TO 6
ELECTRIAL KIT (LOWER STRUCTURE)	4	7 TO 8
ELECTRIAL KIT (UPPER STRUCTURE)	5	9 TO 10
SINGLE SOL. D.C. VALVE	6	11 TO 12



CABIN ASSEMBLY COMPL.

ECEL HK-17 CRANE**PARTS CATALOGUE**

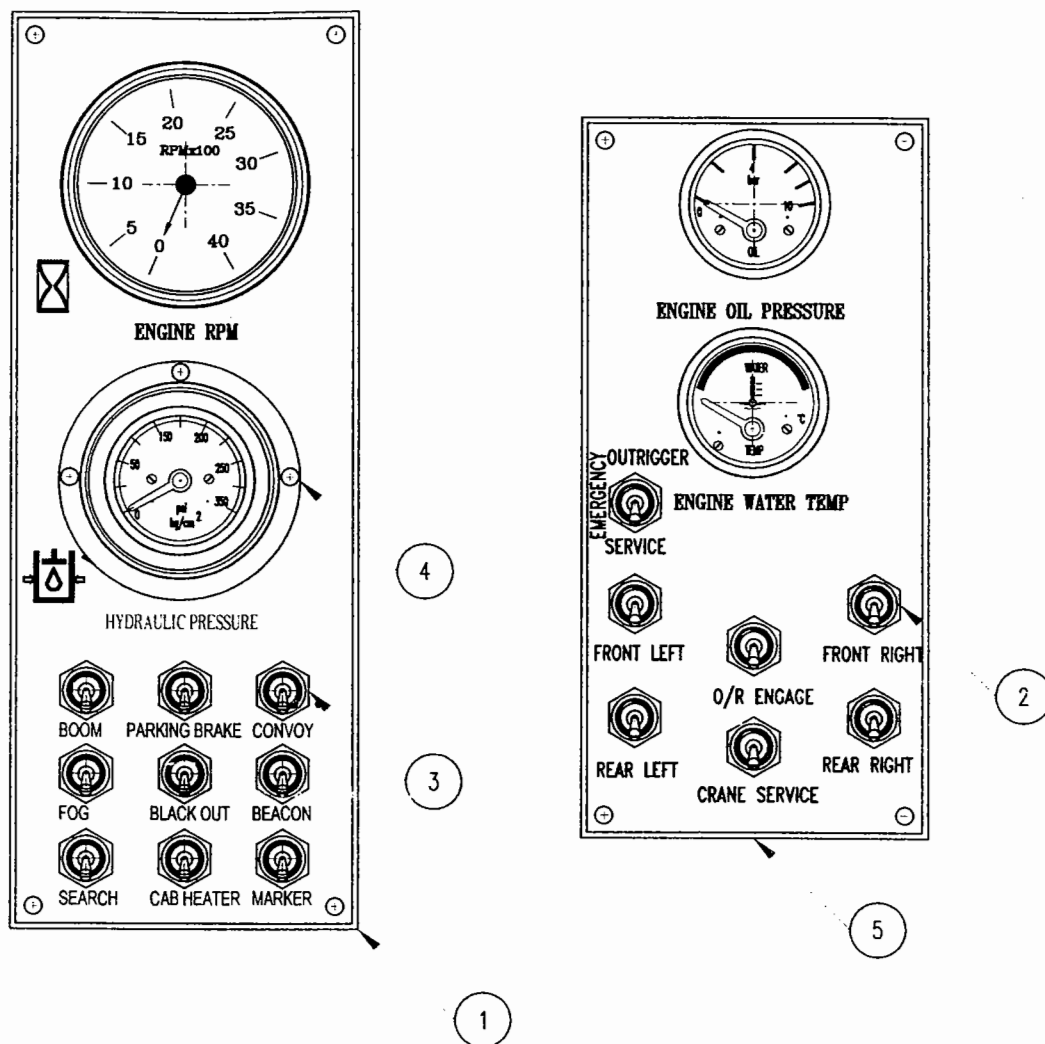
ISSUE 01	FIGURE NO. 1	DASHBOARD & ELECTRIALS	GROUP 12	PAGE 2
S.NO.	PART No.	DESCRIPTION Cabin Assy. Complete - 28-A-4-001C	QUANTITY	NOTE
1	28F4012E	Cabin Fabrication	1	
2	V12.01.077.1	Seat Assy.	1	
3	PP11748	Stg. Unit	1	
4	PP10087	Steering Wheel	1	
5	PP11117	Steering Column	1	
6	00229172A	Micro Switch	1	
7	28A4022	Side Dash Board Assy.	1	
8	28A4018	Main Dash Board Assy.	1	
9	28C4021	Combination Switch	1	



MAIN DASH BOARD ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 2	DASHBOARD & ELECTRICALS	GROUP 12	PAGE 4
S.NO.	PART No.	DESCRIPTION MAIN DASHBOARD INSTALLATION	QUANTITY	NOTE
1	28C1122A	Dash Board	1	
2	8536-040	Pilot Lamp LH/RH Green Colour	2	
3	8536-037	Indicating Lamp (RED)	5	
4	8536-038	Indicating Lamp (AMBER)	2	
5	8536-039	Indicating Lamp (BLUE)	1	
6	1796026	Fuel Gauge	1	
7	Y.05.17.15.0	Air Pressure Gauge	1	
8	PP10954	Toggle Switch	6	
9	932032	Horn Button Red	1	

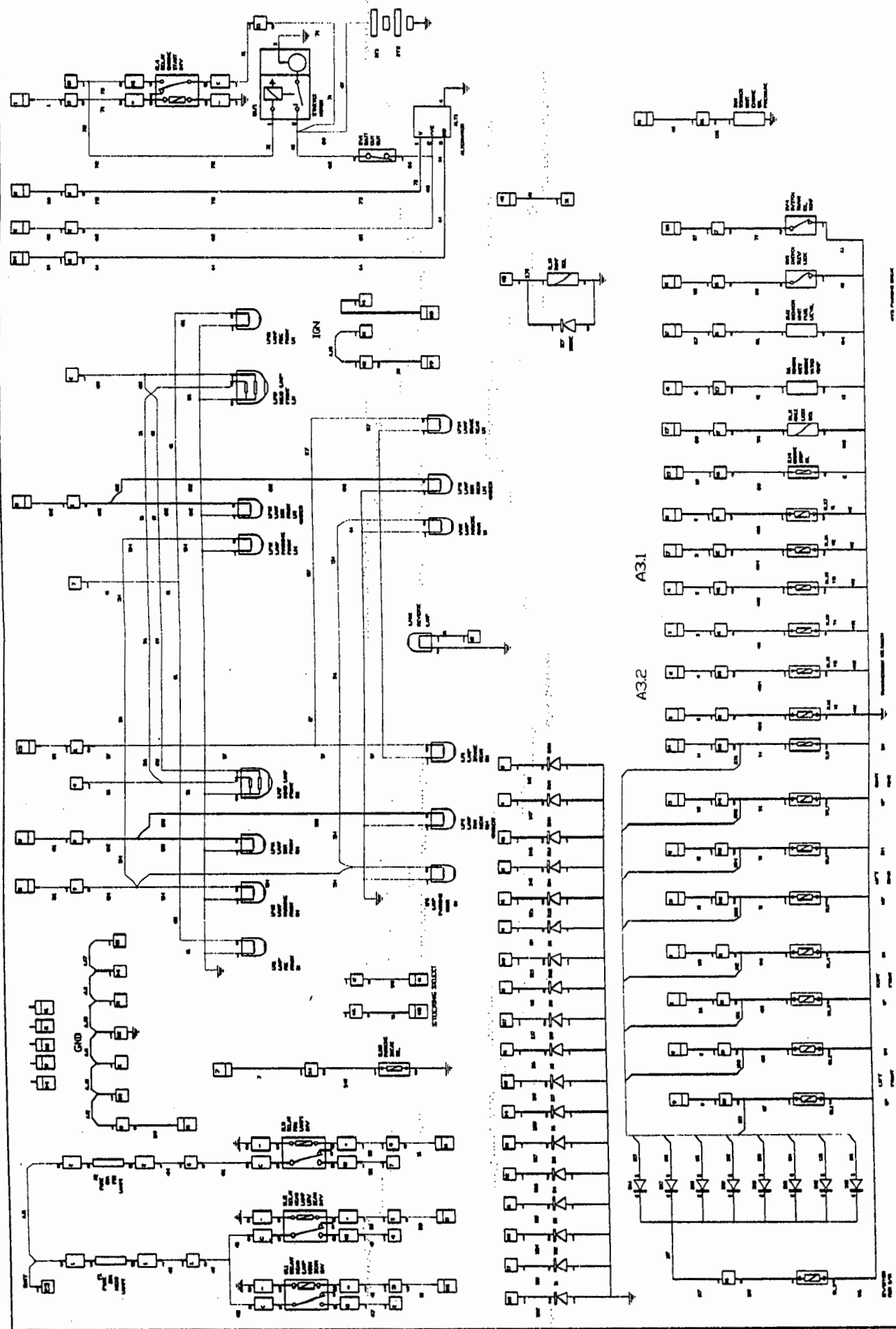


SIDE DASH BOARD ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 3	DASHBOARD & ELECTRIALS	GROUP 12	PAGE 6
S.NO.	PART No.	DESCRIPTION Side Dash Board Assy. - 28-A-4-022	QUANTITY	NOTE
1	28C2038	Side Panel Plate	1	
2	PP10955	Toggle Switch	4	
3	PP10956	Toggle Switch	12	
4	8536-025	Pressure Gauge	1	
5	28C2039	Side Panel Plate	1	

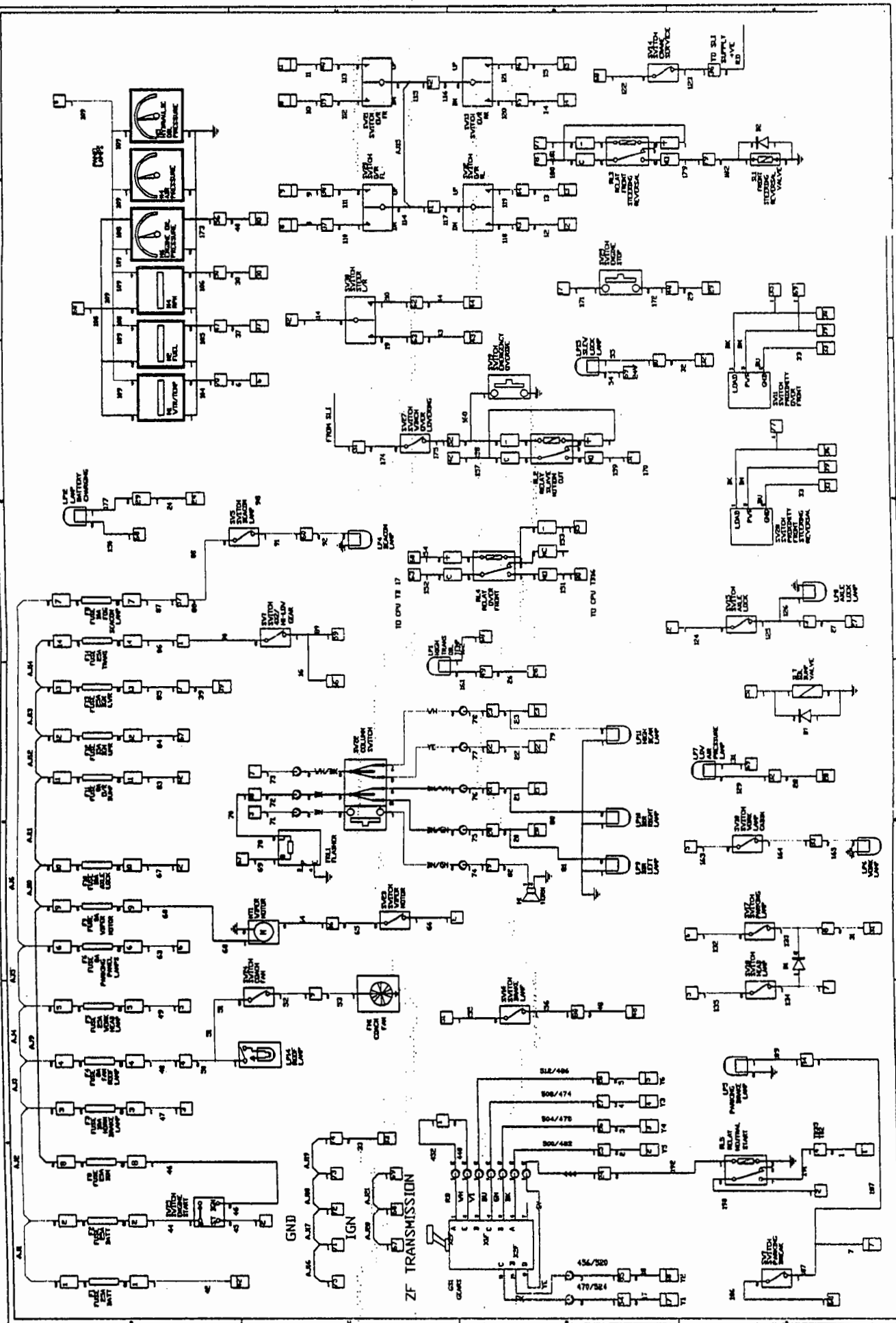
LOWER STRUCTURE



ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 4	DASHBOARD & ELECTRICALS (LOWER ELECTRICALS)	GROUP 12	PAGE 8
S.NO.	PART No.	DESCRIPTION Electrical Kit (Lower Electrical)	QUANTITY	NOTE
1	103-002-00	Relay Module , 1 C/O, 24V DC	5	
2	507-022-00	Fuse Term, Block	2	
3	507-023-00	End Plate Fused Term. BLK	1	
4	507-019-00	Term. BLK Rail MTD 4 Conductor	58	
5	507-020-00	End Plate For 4 Way Term BLK	3	
6	507-025-00	DIN Rail 35mm SQ 1 mtr Long	1	
7	507-024-00	End Stop For 35mm Rail Blocking	6	
8	507-026-00	Vertical Marking Card 1 - 100	2	
9	507-021-00	Adjacent Jumpers Suit For T.B.	11	
10	507-027-00	Rail MTG. Foot For PCB	10	
11	507-012-00	T.B.PCB MTG. 5.08 Pitch S.P.	35	
12	507-013-00	End Plate For T.B.PCB Mtg.	10	
13	508-109-00	Fused Glass Fast Blow 25AMP D6 XL35	2	
14	593-101-00	Sheet Metal Inclosure	1	
15	593-102-00	MCB Housing (Single) 32 AMP.	1	
16	591-057-00	Ring Type Markers DIA 3mm 0-9	2	
17	539-403-00	Sleeve 10mm DIA	15	
18	539-404-00	Sleeve 16mm DIA	10	
19	539-405-00	Sleeve 25mm DIA	10	
20	532-078-00	PVC Insulated Wire DIA 3mm	500	
21	532-080-00	PVC Insulated Wire DIA 5mm	5	
22	532-081-00	PVC Insulated Wire DIA 6mm	15	
23	532-056-00	Cable Gland Nylon	3	
24	411-013-00	Diode In 5408	20	
25	507-007-00	Terminal Block 6 Way	6	
26	501-205-00	MCB 32 AMP	1	
27	471-208-00	Convoi Light	2	
28	471-209-00	Fog Light	2	
29	593-059-00	2 Pin Socket, 5 A	1	
30	471-212-00	Blackout Lamp	1	
31	471-210-00	Marker Lamp	5	
32	522-516-00	Battery 12V DC	2	

UPPER STRUCTURE



ECEL HK-17 CRANE**PARTS CATALOGUE**

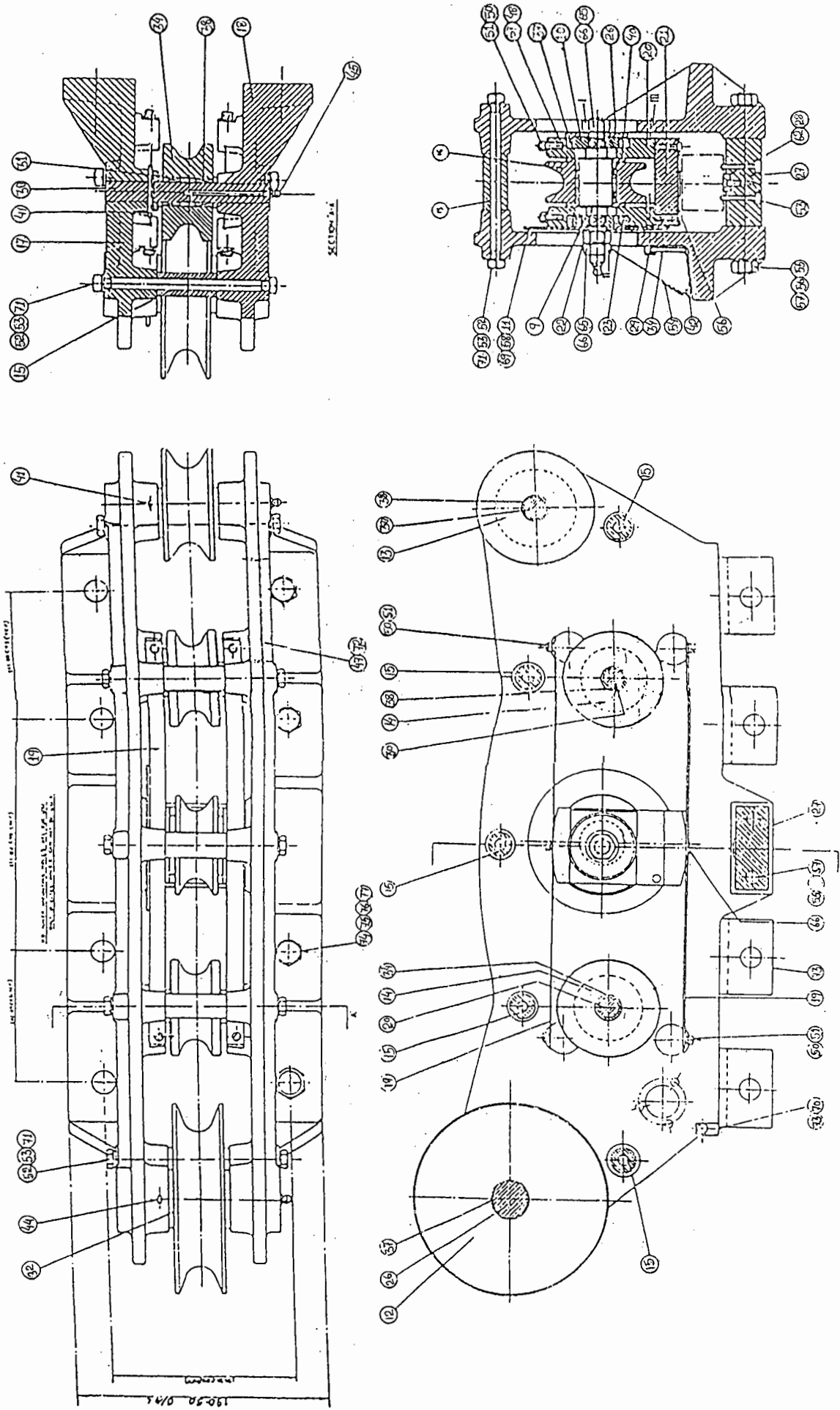
ISSUE 01	FIGURE NO. 5	DASHBOARD & ELECTRICALS (UPPER ELECTRICALS)	GROUP 12	PAGE 10
S.NO.	PART No.	DESCRIPTION Electrical Kit (Upper Electrical)	QUANTITY	NOTE
1	103-002-00	Relay 24V	5	
2	501-018-00	Relay Flasher Panel Mount	1	
3	507-022-00	Fuse Term. Block	16	
4	507-023-00	End Plate Fused Termi. BLK	1	
5	507-019-00	Term. Blk Rail MTD 4 Conductor	87	
6	507-020-00	End Plate For 4 Way Term. BLK	3	
7	507-025-00	DIN Rail , 35mm SQ 1mtr Long	1	
8	507-024-00	End Stop For 35mm Rail Blocking	6	
9	507-026-00	Vertical Marking Card 1-100	1	
10	507-021-00	Adjacent Jumpers Suit For T.B.	17	
11	505-071-00	Lamp Connector	15	
12	507-027-00	Rail Mtg. Foot For PCB	10	
13	507-012-00	P.B. PCB Mtg. 5.08 Pitch S.P.	35	
14	507-013-00	End Plate For T.B.Pcb Mtg.	10	
15	508-108-00	Fused Glass Fast Blow 8 AMP D6xL35	4	
16	508-010-00	Fused Glass Fast Blow 10 AMP D6xL35	5	
17	508-109-00	Fused Glass Fast Blow 25 AMP D6xL35	5	
18	508-110-00	Fused Glass Fast Blow 15 AMP D6xL35	2	
19	593-101-00	Sheetmetal Inclosure	1	
20	591-057-00	Ring Type Markers DIA 3mm 0-9	2	
21	539-403-00	Sleeve 10mm DIA	105	
22	539-404-00	Sleeve 16mm DIA	10	
23	539-405-00	Sleeve 25mm DIA	8	
24	532-078-00	PVC Insulated Wire DIA 3mm	500	
25	532-080-00	PVC Insulated Wire DIA 5mm	6	
26	532-081-00	PVC Insulated Wire DIA 6mm	20	
27	591-056-00	Cable Gland Nylon	3	
28	471-207-00	Beacon Lamps Revolving Assy.	1	
29	411-013-00	Diode In 5408	2	
30	507-007-00	Terminal Block 6 Way	2	
31	502-807-00	Proximity Swicth 24V DC	2	
32	502-103-00	Push Swicth Red With Element	2	
33	502-104-00	Push Swicth Green With Element	1	
34	502-502-00	Ignition Switch	1	
35	502-805-00	Combination Switch	1	
36	502-903-00	Limit Switch SPDT, 5A,24V DC	2	
37	533-401-00	2 Core Shielded Cable	20	
38	593-0585-00	Cabin Heater/Demister Kit	1	
39	503-003-00	Wiper Motor Assy.	1	
40	161-022-00	Electric Cable Drum For Hook Search Lamp	1	

SAFE LOAD INDICATOR SYSTEM

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GROUP No. 13

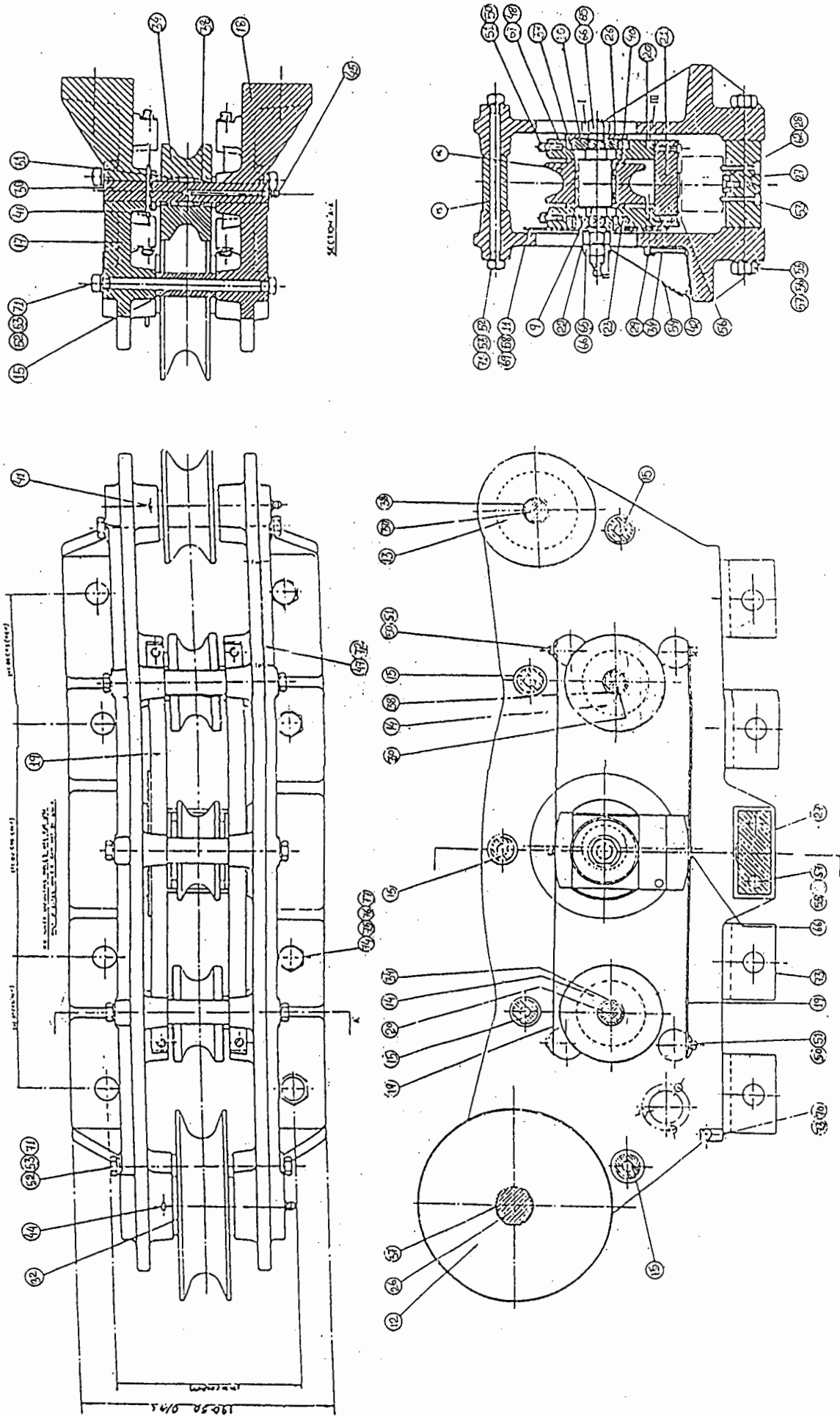
DESCRIPTION	FIGURE No.	PAGE No.
DYNAMOMETER ASSY.	1	1 TO 4
LOAD CELL ASSY.	2	5 TO 6
DIRECTION SENSOR	3	7 TO 8
POTTED PCB ASSY.	4	9 TO 10
TORQUE ARM ASSY.	5	11 TO 12
LOAD/DIR AMPLIFIER	6	13 TO 14
PCB ASSY.	7	15 TO 16
BOOM LENGTH AMPLIFIER	8	17 TO 18
PCB ASSY. 161-019-02	9	19 TO 20
DISPLAY C/W MOUNTING	10	21 TO 22
CABLE DRUM ASSY. 161-024-03	11	23 TO 24
CABLE DRUM ASSY. 161-022-00	12	25 TO 28
POTENTIOMETER ASSY.	13	29 TO 30
CABLE GUIDE ASSY.	14	31 TO 32
PSU/TERMINATION UNIT	15	33 TO 34
PCB ASSY. -161-045-00	16	35 TO 36



DYNAMOMETER ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

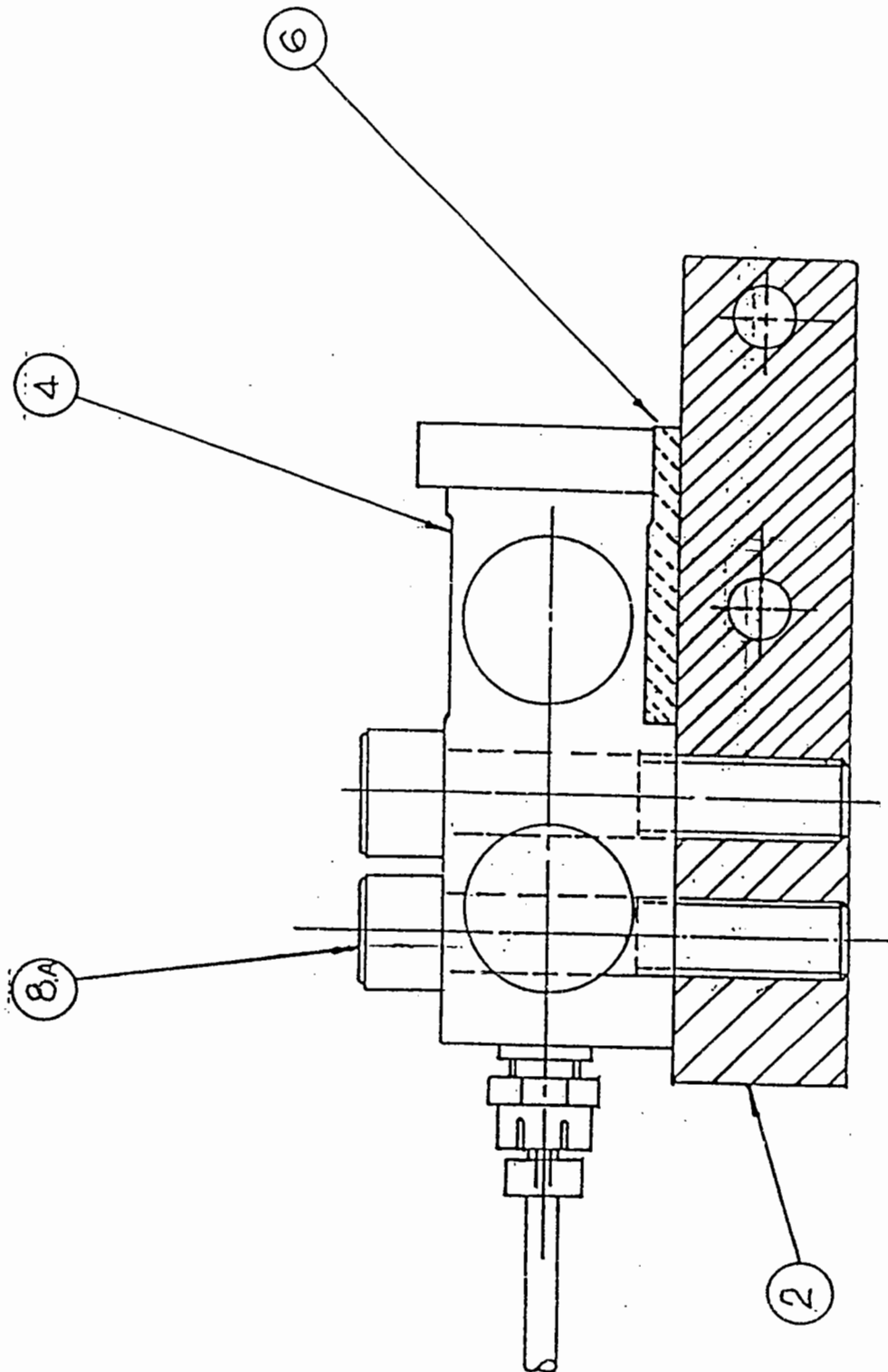
ISSUE 01	FIGURE NO. 1	SLI KY 2000	GROUP 13	PAGE 2
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Dynamometer Assy. - 161-001-09		
1	161-001-09	Dynamometer Assy.	1	
2	238-040-03	Loading Sheave	1	
3	238-042-03	Center Sheave	2	
4	238-043-03	Sheave End Sheave	1	
5	238-044-03	Drum End Sheave	1	
10	208-004-01	Side Plate LH	1	
11	208-005-01	Side Plate RH	1	
12	238-027-00	Thrust Washer	4	
13	238-028-00	Thrust Washer	6	
14	238-034-00	Keep Plate	1	
15	238-035-00	Thrust Plate	2	
16	238-036-00	Fork Base	1	
17	238-037-00	Fork Side Plate	2	
18	238-038-00	Eccentric Spindle	1	
19	238-039-00	Flexible Strip	4	
20	238-045-00	Reeving Dial	1	
21	238-046-00	Eccentric Cam, Plain	1	
22	238-047-00	Eccentric Cam, Tapped	1	
23	238-149-00	Stud	2	
24	238-150-00	Stud	5	
25	238-151-00	Shaft	3	
26	238-152-00	Shaft Drum End	1	
27	238-153-00	Spacer	5	
28	238-154-00	Mtg Bracket	4	
29	238-155-00	Lock Shaft	3	
30	238-156-00	Lock Shaft	1	
31	238-157-00	Mtg. Block Flex Strip	8	
32	238-158-00	Bush Sheave /Center	6	
34	238-159-00	Bush Drum End	2	
35	238-160-00	Pad, Mtg. Bkt.	4	
36	561-203-00	Bearing , Roller	4	
37	561-204-00	Bearing ,Roller	6	
38	591-027-00	Nylon P Clips	1	
39	593-006-00	Grease Nipple	5	
40	593-013-00	Chain Link	0.15	
41	593-014-00	Key Ring	1	
42	595-026-00	Label	1	
43	602-036-00	Screw, Hex Head	8	
44	602-061-00	Screw. Hex Head	4	
45	604-024-00	Screw, Pan Head	2	
60	606-007-00	Screw, Csk Head	3	
46	609-006-00	Screw, Soc, Cap Head	4	
48	609-010-00	Screw, Soc, Cap Head	32	
47	609-016-00	Screw, Soc, Cap Head	16	
49	621-020-00	Nut, Hex	3	
52	622-004-00	Nut, Hex	10	
50	622-005-00	Nut, Hex	4	



DYNAMOMETER ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 1	SLI KY 2000	GROUP 13	PAGE 4
S.NO.	PART NO.	DESCRIPTION Dynamometer Assy. - 161-001-09	QUANTITY	NOTE
51	622-007-00	Nut, Hex	4	
58	631-005-00	Washer, Plain	10	
59	631-006-00	Washer, Plain	4	
53	631-008-00	Washer, Plain	4	
54	636-003-00	Washer, Spring	2	
55	636-005-00	Washer, Spring	10	
56	636-006-00	Washer, Spring	4	
57	636-008-00	Washer, Spring	4	

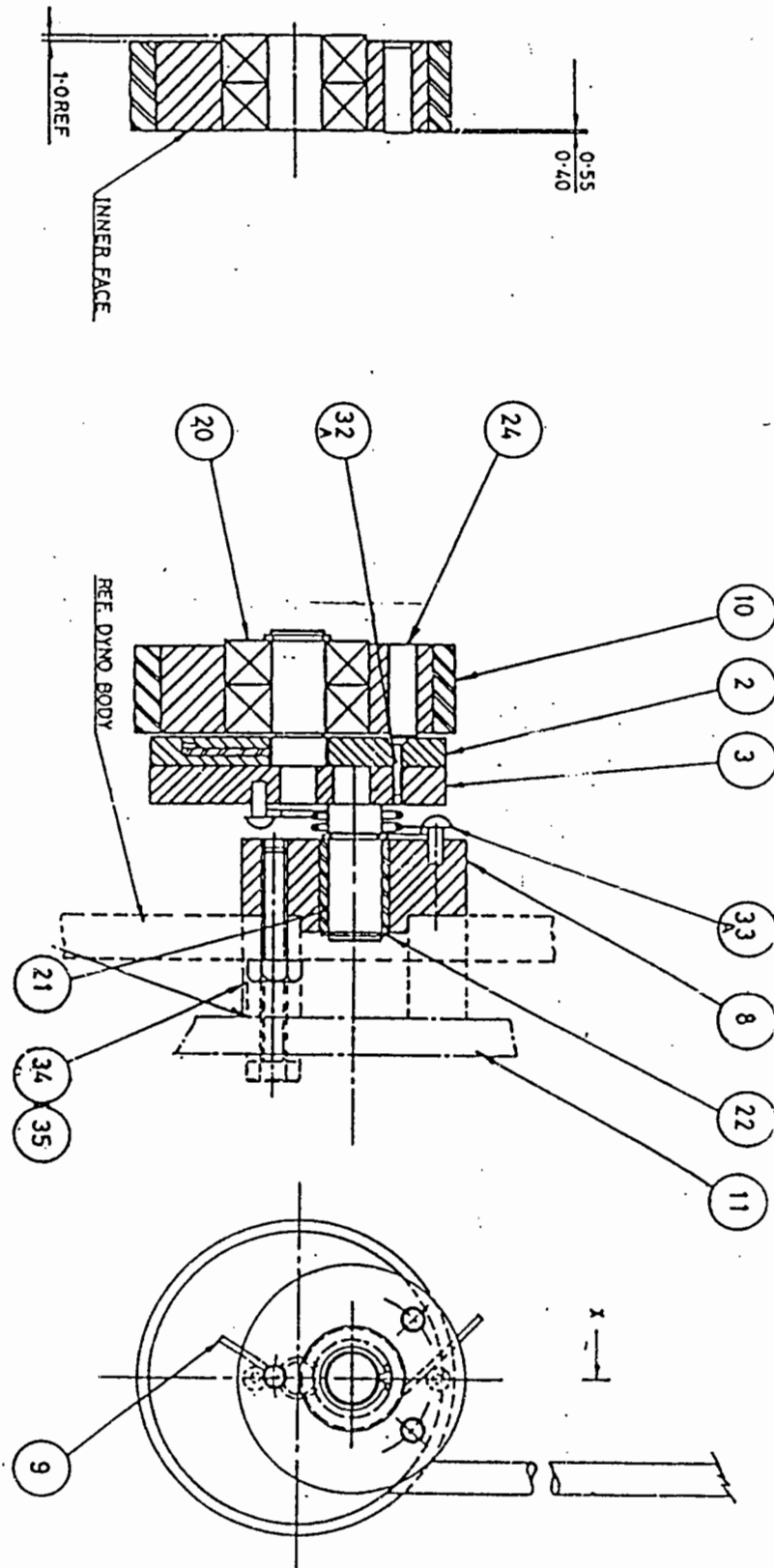


LOAD CELL ASSEMBLY

ECEL HK-17 CRANE

PARTS CATALOGUE

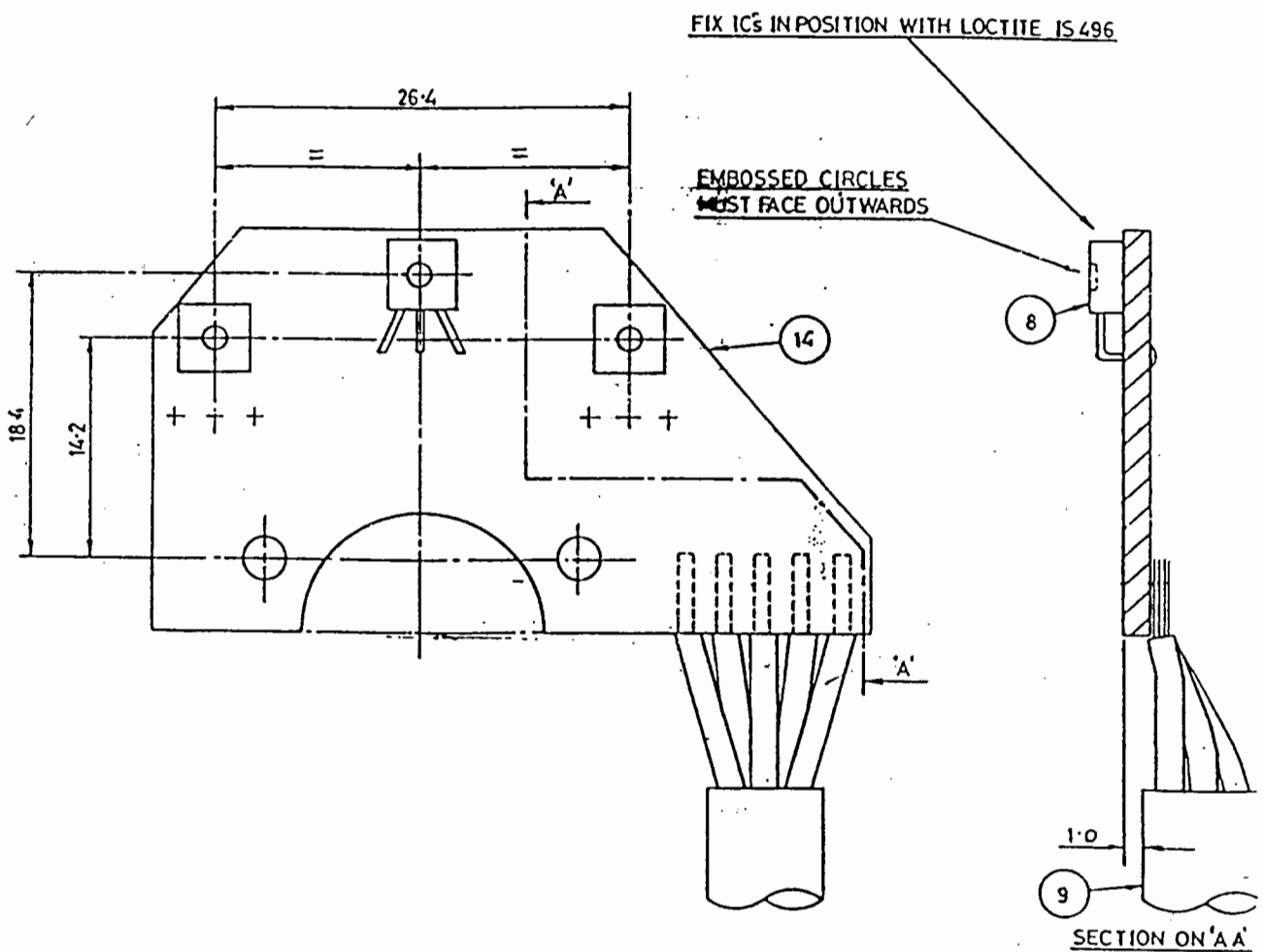
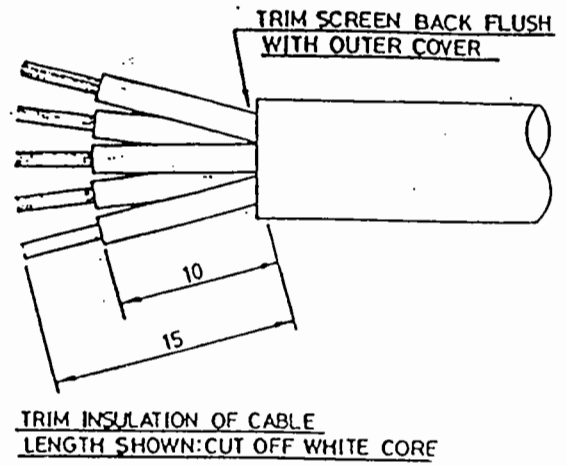
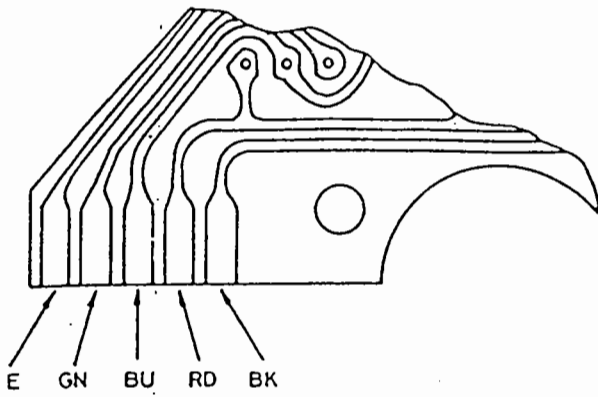
ISSUE 01	FIGURE NO. 2	SLI KY 2000	GROUP 13	PAGE 6
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Load Cell Assy.-161-003-06		
2	238-057-00	Base Plate	1	
4	481-019-00	Load Cell	1	
8	609-013-00	Screw, Soc, Cap Head	2	
9	636-007-00	Washer, Spring	2	



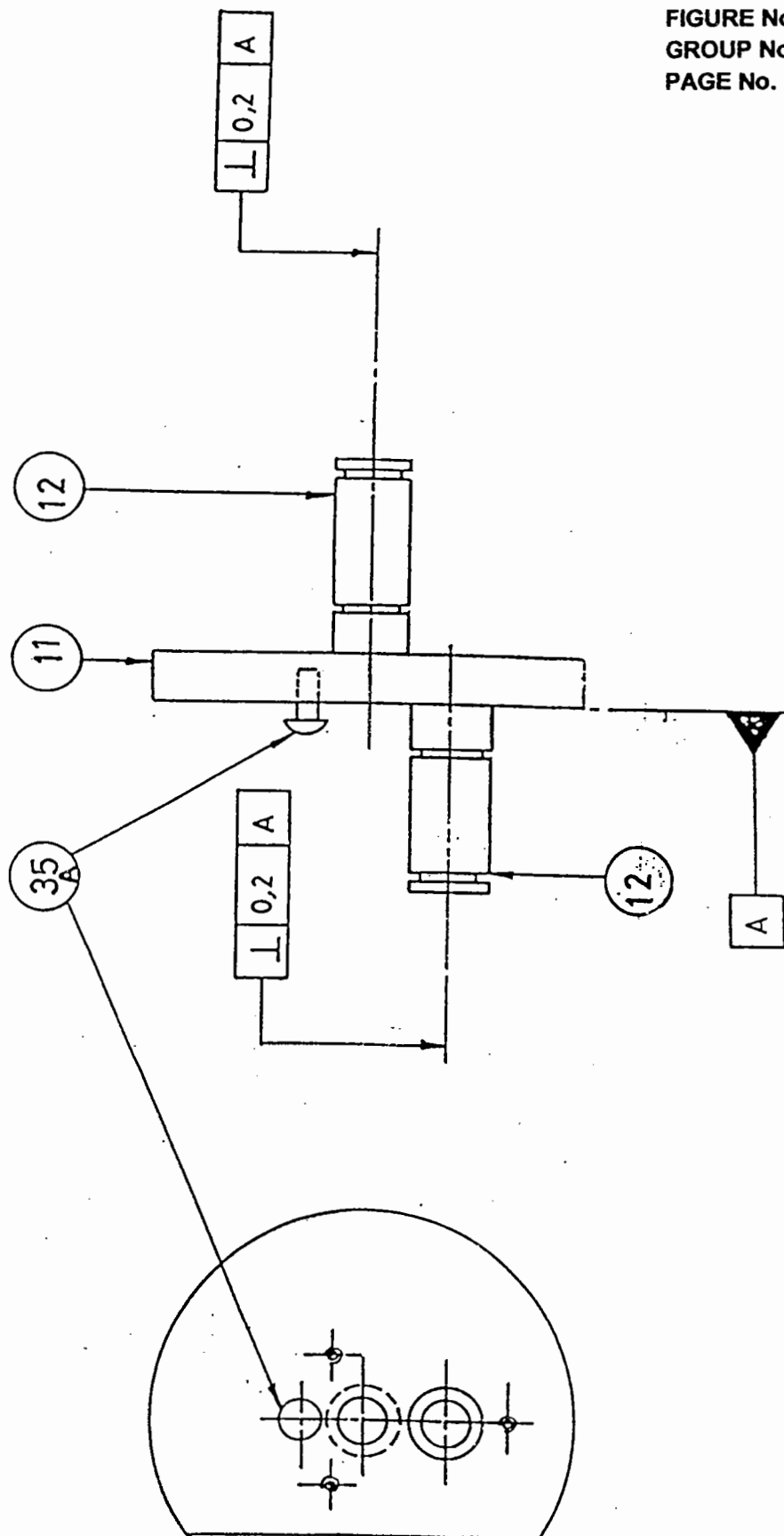
DIRECTION SENSOR

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 3	SLI KY 2000	GROUP 13	PAGE 8
S.NO.	PART NO.	Direction Sensor 161-007-00	QUANTITY	NOTE
2	161-005-00	Potted PCB Assy.	1	
3	161-006-00	Torque Arm Assy.	1	
10	238-004-00	Friction Drive Wheel	1	
8	238-005-00	Mtg. Boss	1	
20	561-012-00	Bearing, Ball	2	
22	571-006-00	Circlip , External	4	
21	572-022-00	Oilite Bush	1	
9	575-011-00	Spring	1	
24	594-005-00	Magnet , Round Bar	3	
34	601-023-00	Screw , Hex Head	3	
32	606-001-00	Screw, CSK Head	3	
33	611-003-00	Screw, Hammer Drive	1	
35	636-004-00	Washer, Spring	3	



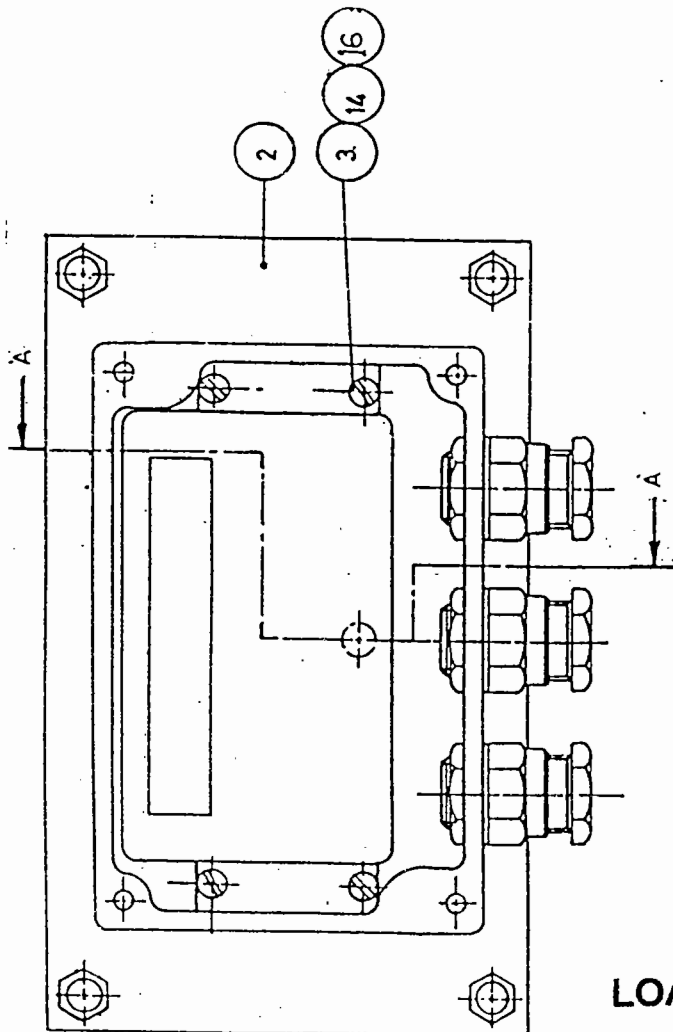
POTTED PCB ASSY.



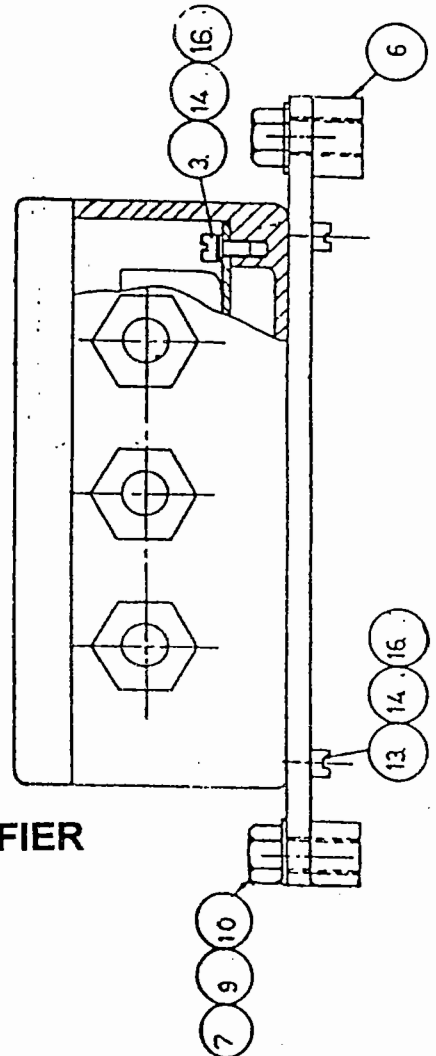
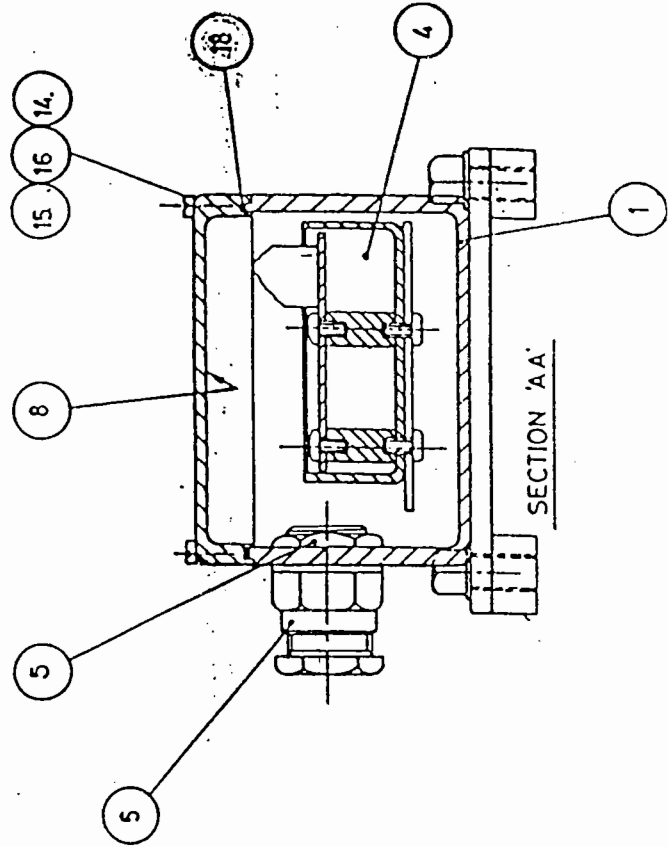
TORQUE ARM ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 5	SLI KY 2000	GROUP 13	PAGE 12
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Torque Arm Assy.161-006-00		
12	238-001-00	Spindle	2	
11	238-002-00	Centre Piece	1	
35	611-033-00	Screw, Hammer Drive	1	



LOAD/DIR AMPLIFIER



ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 6	SLI KY 2000	GROUP 13	PAGE 14
S.NO.	PART NO.	DESCRIPTION Load/Dir. Amplifier 161-011-02	QUANTITY	NOTE
1	161-009-01	Pcb Assy.	1	
7	228-055-01	Mtg. Plate Pcb	1	
15	228-055-02	Mtg. Plate Enclosure	1	
2	238-066-01	Mtg. Boss	4	
5	591-047-00	Pol' Mide Cable Gland	3	
6	591-048-00	Pol' Mide Lock Nut	3	
3	591-054-00	Plastic Housing	1	
4	591-055-00	Cover,Housing	1	
8	595-021-00	Label	1	
9	595-026-00	Label	1	
10	602-028-00	Screw, Hex Head	4	
11	604-003-00	Screw,Pan Head	4	
12	631-005-00	Washer, Plain	4	
13	632-001-00	Washer, Plain	4	
14	363-005-00	Washer, Spring	4	

PCB ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 7	SLI KY 2000	GROUP 13	PAGE 16
S.NO.	PART NO.	DESCRIPTION PCB Assy. 161-009-01	QUANTITY	NOTE
1	300-808-00	PCB Assy.	1	
2	356-801-00	Resistor, Mf	6	
3	363-402-00	Resistor, Mf	1	
4	363-407-00	Resistor, Mf	3	
5	363-410-00	Resistor, Mf	1	
6	363-422-00	Resistor, Mf	11	
7	363-425-00	Resistor, Mf	2	
8	363-435-00	Resistor, Mf	1	
9	363-437-00	Resistor, Mf	1	
10	363-442-00	Resistor, Mf	2	
11	363-443-00	Resistor, Mf	1	
12	363-452-00	Resistor, Mf	2	
13	363-453-00	Resistor, Mf	1	
14	401-003-00	Capacitor, Ceramic	10	
15	401-202-00	Capacitor, Ceramic	1	
16	401-204-00	Capacitor, Ceramic	4	
17	402-101-00	Capacitor, Film	2	
18	404-102-00	Capacitor Al.	1	
19	404-401-00	Capacitor Al.	1	
20	404-402-00	Capacitor Al.	1	
21	410-001-00	Diode, Small Signal	1	
22	411-601-00	Diode Rectifier	1	
23	420-006-00	Transistor, Npn	2	
24	421-007-00	Transistor, Pnp	2	
25	430-006-00	Ic, V Regulator	1	
26	430-205-00	Ic, Op Amp	3	
27	449-003-00	Ic, Logic, Cmos	1	
28	449-006-00	Ic, Logic, Cmos	1	
29	449-015-00	Ic, Logic, Cmos	1	
30	487-003-00	Inductor	1	
31	487-004-00	Inductor	6	
32	505-048-00	Socket, Ic	4	
33	505-049-00	Socket, Ic	2	
34	505-050-00	Socket, Ic	1	
35	505-056-00	Connector Pin, Pcb	3	
36	507-015-00	Terminal Block, 1Way	15	
37	507-013-00	End Plate	1	
38	595-021-00	Label	1	

BOOM LENGTH AMPLIFIER

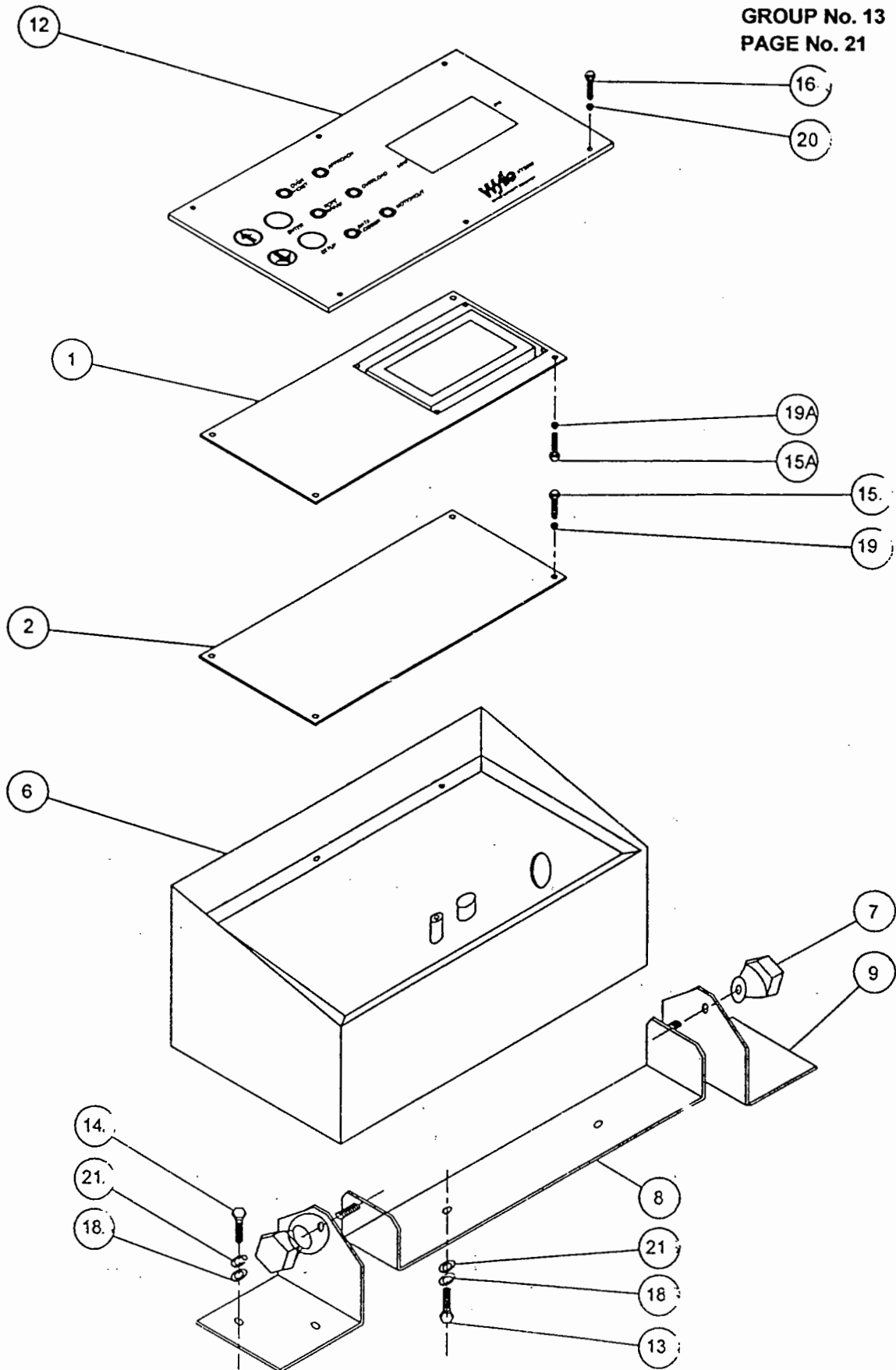
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 8	SLI KY 2000	GROUP 13	PAGE 18
S.NO.	PART NO.	DESCRIPTION Boom Length Amplifier 161-020-02	QUANTITY	NOTE
1	161-019-02	Pcb Assy.	1	
4	238-066-01	Mtg. Boss	4	
2	238-184-00	Mtg. Plate Pcb	1	
3	238-185-00	Mtg. Plate Enclosure	1	
7	584-001-00	Al. Housing W/Cover	1	
5	591-047-00	Pol'Mide Cable Gland	2	
6	591-048-00	Pol' Mide Lock Nut	2	
8	595-024-00	Label	1	
9	595-026-00	Label	1	
10	602-028-00	Screw,Hex Head	4	
11	604-003-00	Screw,Pan Head	4	
12	631-005-00	Washer, Plain	4	
13	632-001-00	Washer, Plain	4	
14	636-005-00	Washer ,Spring	4	

PCB ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 9	SLI KY 2000	GROUP 13	PAGE 20
S.NO.	PART NO.	DESCRIPTION PCB Assy. 161-019-02	QUANTITY	NOTE
1	300-807-00	Pcb	1	
2	356-801-00	Resistor ,Mf	2	
3	356-802-00	Resistor ,Mf	4	
4	363-402-00	Resistor ,Mf	1	
5	363-403-00	Resistor ,Mf	1	
6	363-407-00	Resistor ,Mf	4	
7	363-417-00	Resistor ,Mf	2	
8	363-420-00	Resistor ,Mf	1	
9	363-422-00	Resistor ,Mf	1	
10	363-435-00	Resistor ,Mf	1	
11	363-437-00	Resistor ,Mf	1	
12	363-442-00	Resistor ,Mf	1	
13	363-445-00	Resistor ,Mf	4	
14	363-446-00	Resistor ,Mf	2	
15	363-453-00	Resistor ,Mf	1	
16	363-457-00	Resistor ,Mf	2	
17	401-003-00	Capacitor, Ceramic	3	
18	401-204-00	Capacitor, Ceramic	1	
19	404-305-00	Capacitor, Al.	1	
20	404-404-00	Capacitor, Al.	1	
21	404-402-00	Capacitor, Al.	1	
23	411-601-00	Diode, Rectifier	1	
24	420-006-00	Transistor, NPN	1	
25	430-006-00	Ic, V Regulator	1	
26	430-205-00	Ic, Op Amp	2	
27	487-003-00	Inductor	1	
28	487-004-00	Inductor	2	
29	505-048-00	Socket, Ic	3	
30	505-056-00	Connector Pin, Pcb	3	
31	507-012-00	Terminal Block , 1Way	9	
32	507-013-00	End Plate	1	



DISPLAY, C/W MOUNTING

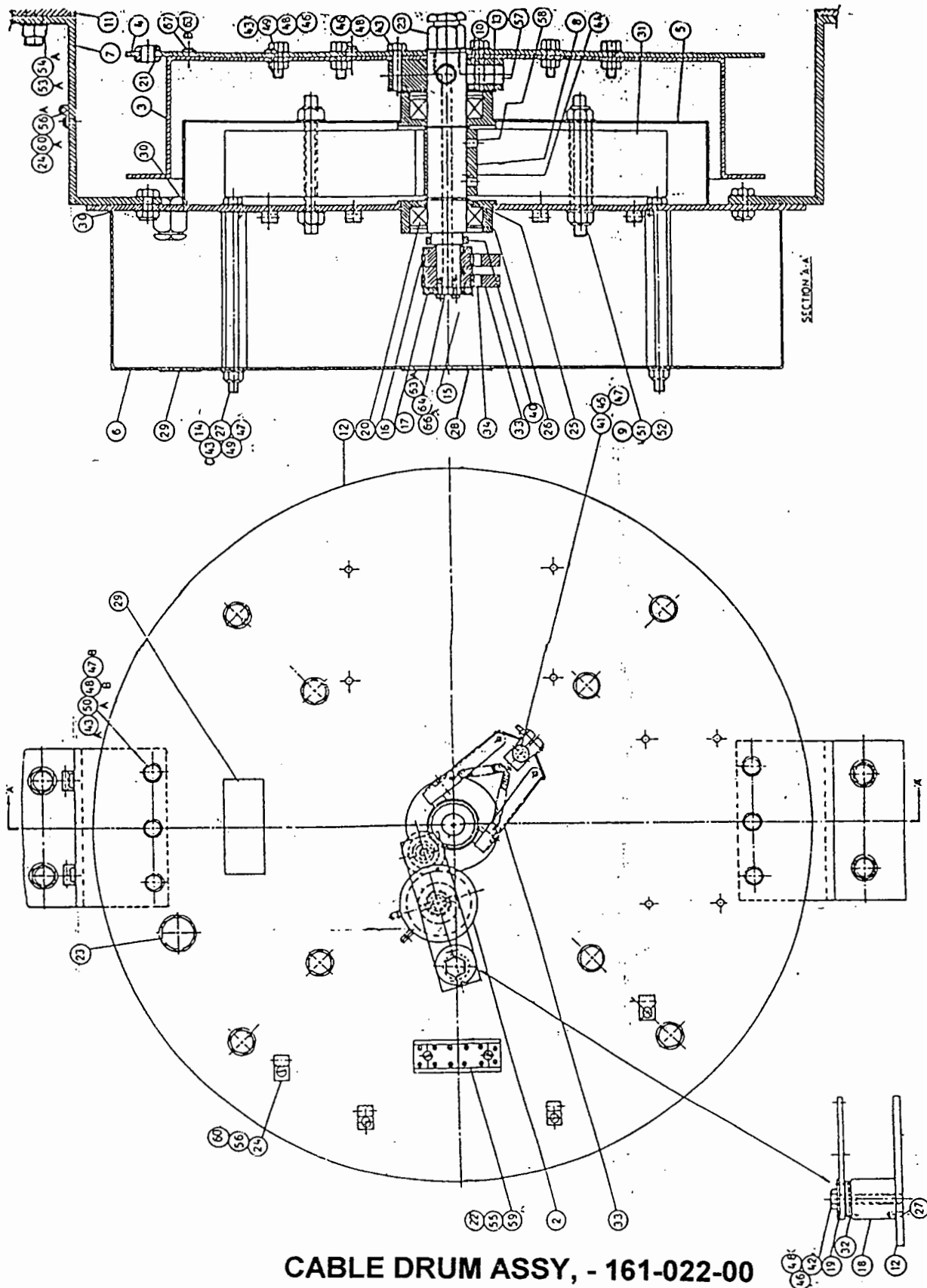
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 10	SLI KY 2000	GROUP 13	PAGE 22
S.NO.	PART NO.	DESCRIPTION Display, C/W Mounting 161-048-00	QUANTITY	NOTE
1	161-046-00	Pcb Assy.	1	
2	161-047-00	Pcb Assy.	1	
3	161-512-00	Connector Assy.	1	
4	161-513-00	Connector Assy.	1	
5	161-514-00	Connector Assy.	1	
6	228-063-00	Display Housing	1	
7	230-367-00	Knob	2	
8	238-186-00	Support Bracket	1	
9	238-187-00	Support Angle	2	
10	592-066-00	Gasket	1	
11	595-026-00	Label	1	
12	595-057-00	Label	1	
13	602-010-00	Screw, Hex Head	2	
14	602-012-00	Screw, Hex Head	4	
15	603-007-00	Screw, Cheese Head	8	
16	604-006-00	Screw, Pan Head	6	
17	621-003-00	Nut, Hex	4	
18	631-003-00	Washer, Plain	6	
19	632-001-00	Washer, Plain	8	
20	632-501-00	Washer, Plain	6	
21	636-003-00	Washer, Spring	6	

CABLE DRUM ASSY,

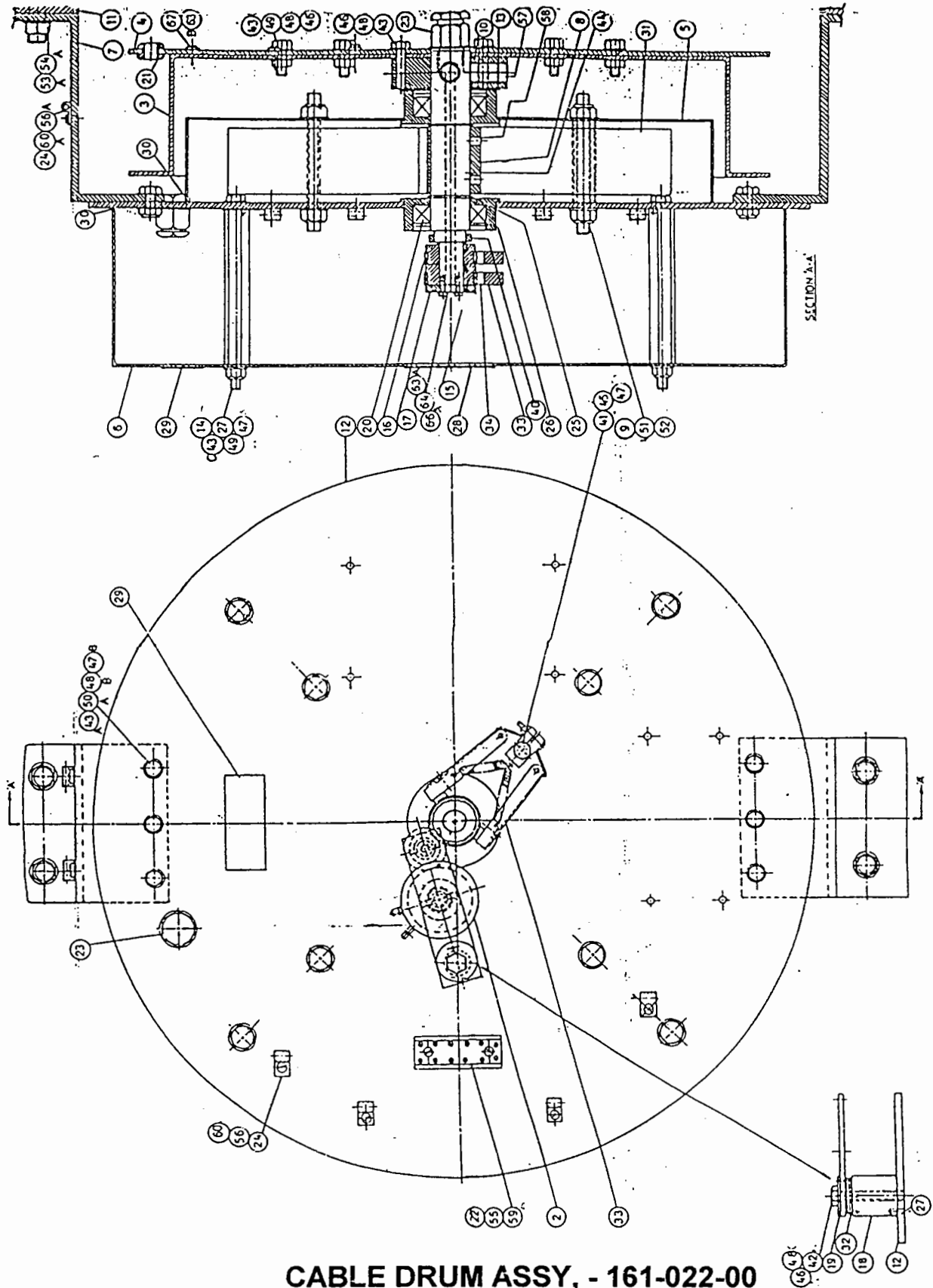
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 11	SLI KY 2000	GROUP 13	PAGE 24
S.NO.	PART NO.	DESCRIPTION Cable Drum Assy. 161-024-03	QUANTITY	NOTE
1	161-022-00	Cable Drum Assy.	1	
2	161-023-03	Potentiometer Assy.	1	
3	533-406-00	Cable Round ,Shielded	25	
4	541-014-00	Wire Terminal, Crimp	1	



ECEL HK-17 CRANE**PARTS CATALOGUE**

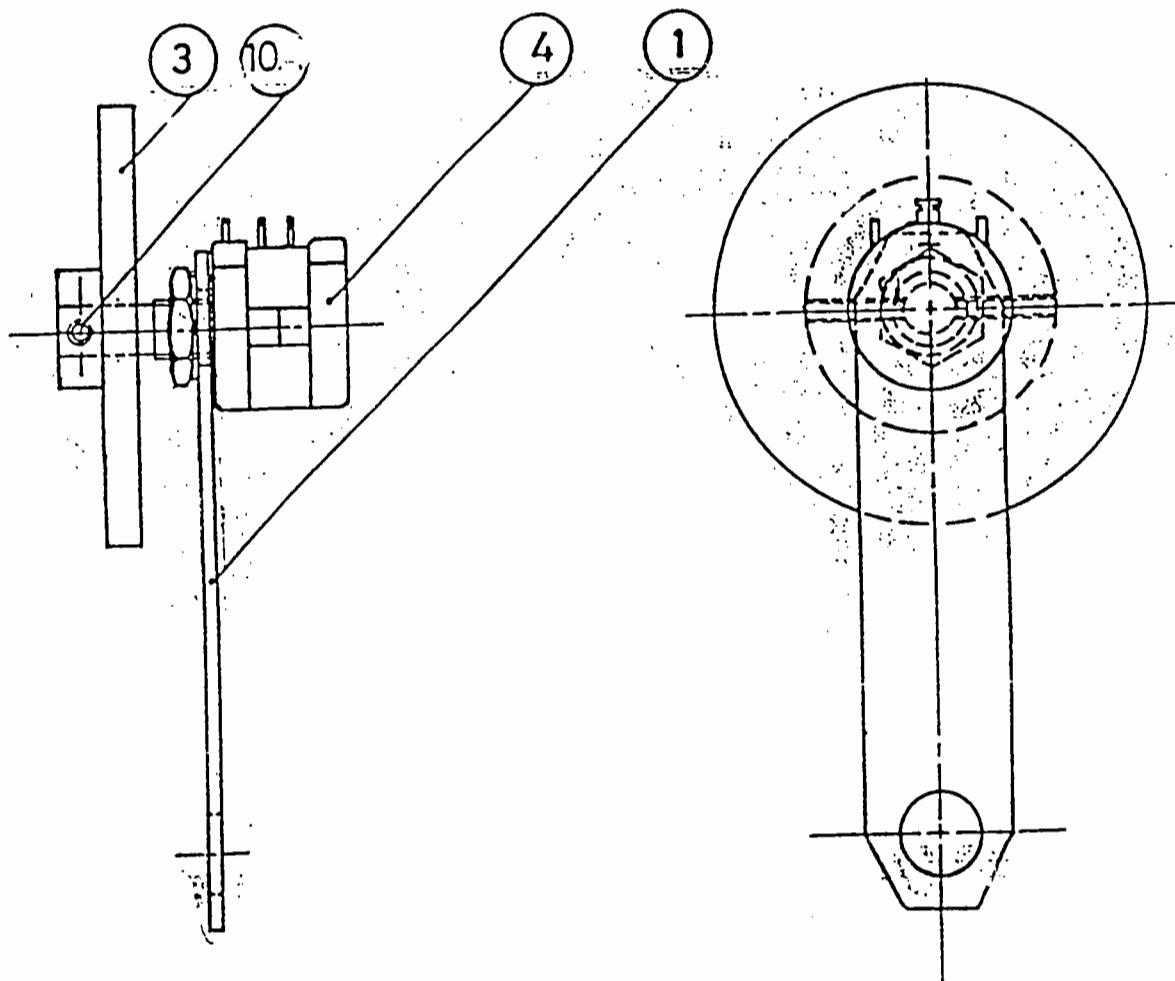
ISSUE 01	FIGURE NO. 12	SLI KY 2000	GROUP 13	PAGE 26
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Cable Drum Assy. 161-022-00		
12	218-006-00	Main Plate	1	
5	228-038-00	Cover	1	
4	228-039-00	Half Drum Plate	1	
3	228-040-00	Half Drum	1	
7	228-041-00	Mtg. Bracket	2	
6	228-042-00	Cover	1	
67	230-297-00	Clamping Bar	3	
15	238-092-00	Slip Ring Carrier	2	
11	238-093-00	Mtg. Pad	2	
50	238-094-00	Boss	2	
10	238-096-00	Collar	1	
44	238-097-00	Shaft	1	
8	238-101-00	Spring Anchor	1	
14	238-102-00	Hex Spacer	4	
17	238-105-00	Stopper	1	
9	238-106-00	Spring Anchor Stud	2	
27	238-107-00	Stud	2	
13	238-108-00	Thrust Washer	1	
41	238-109-00	Hylum Spacer	1	
19	238-110-00	Washer	1	
40	238-111-00	Spur Gear	1	
16	238-112-00	Slip Ring Carrier	2	
18	507-007-00	Spacer	1	
22	531-023-00	Terminal Block	1	
35	531-023-00	Wire , Flexible ,Strain		
36	531-029-00	Wire , Flexible ,Strain		
38	541-029-00	Wire Terminal , Crimp	2	
37	541-218-00	Wire Terminal , Crimp	2	
20	561-013-00	Bearing, Ball	2	
25	571-012-00	Circlip, External	2	
26	571-610-00	Circlip, Internal	2	
32	575-007-00	Spring	1	
31	575-014-00	Spring	1	
39	591-002-00	Nylon Spiral Wrap		
23	591-004-00	Nylon Cable Gland	2	
24	591-026-00	Nylon P Clips	2	
99	591-035-00	Plastic Spacer	2	
21	592-045-00	Rubber Grommet	1	
30	592-046-00	Rubber Edging Strip	2	
33	593-015-00	Brush Holder	2	
34	593-016-00	Copper Brush	4	
29	595-026-00	Label	2	
55	595-027-00	Label	1	
28	595-029-00	Label	1	
43	602-020-00	Screw, Hex Head	17	
42	602-028-00	Screw, Hex Head	4	
45	602-058-00	Screw, Hex Head	1	



CABLE DRUM ASSY, - 161-022-00

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO.12	SLI KY 2000	GROUP 13	PAGE 28
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Cable Drum Assy. 161-022-00		
59	603-010-00	Screw, Cheese Head	2	
54	603-501-00	Screw, Cheese Head	2	
63	604-003-00	Screw, Pan Head	10	
56	610-001-00	Screw, Socket Grub	2	
58	610-009-00	Screw, Socket Grub	2	
57	610-017-00	Screw, Socket Grub	2	
68	621-505-00	Nut, Hex	2	
49	622-003-00	Nut, Hex	19	
51	622-004-00	Nut, Hex	4	
64	631-001-00	Washer, Plain	2	
48	631-004-00	Washer, Plain	25	
52	631-005-00	Washer, Plain	8	
66	636-003-00	Washer, Spring	2	
47	636-004-00	Washer, Spring	1	
46	636-005-00	Washer, Spring	30	
53	637-003-00	Washer, Spring	4	
61	637-003-00	Washer, Star	4	



POTENTIOMETER ASSY.

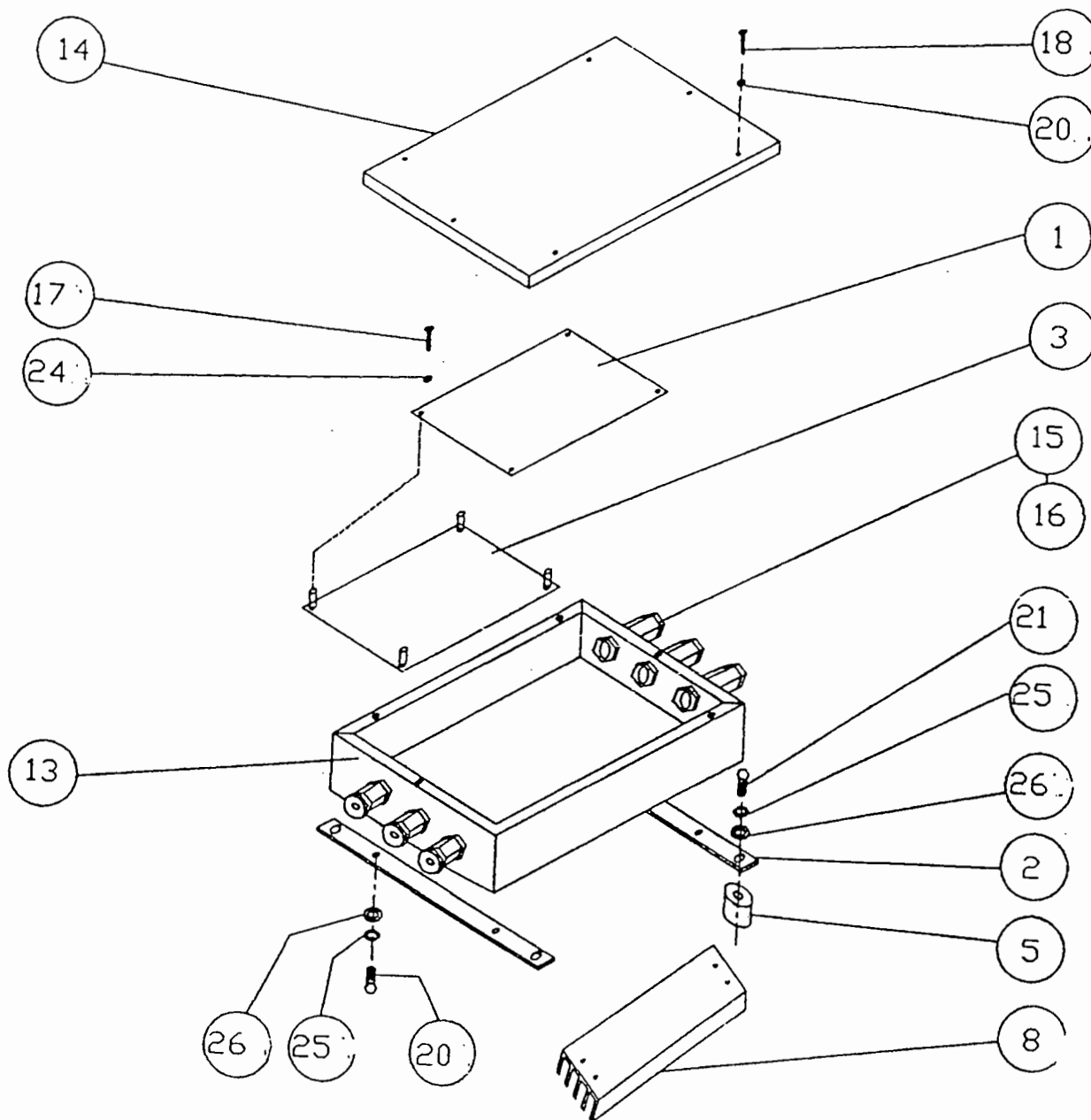
ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 13	SLI KY 2000	GROUP 13	PAGE 30
S.NO.	PART NO.	DESCRIPTION Potentiometer Assy. 161-023-03	QUANTITY	NOTE
3	238-095-03	Spur Gear	1	
1	238-104-00	Pot Holder Arm	1	
4	399-007-00	Potentiometer	1	
5	531-026-00	Wire, Flexible, Stran.		
6	531-028-00	Wire, Flexible, Stran.		
7	531-031-00	Wire, Flexible, Stran.		
8	541-218-00	Wire Terminal ,Crimp	3	
9	591-002-00	Nylon Spiral Wrap		
10	610-016-00	Screw, Socket Grub	2	

CABLE GUIDE ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO.14	SLI KY 2000	GROUP 13	PAGE 32
S.NO.	PART NO.	DESCRIPTION Cable Guide Assy. 161-028-00	QUANTITY	NOTE
1	238-052-00	Cable Guide Bracket	1	
2	238-053-00	Roller	4	
3	238-054-00	Shaft	4	
4	238-055-00	Angle Bracket	1	
5	602-019-00	Screw, Hex Head	2	
6	622-003-00	Nut, Hex	2	
7	631-004-00	Washer, Plain	2	
8	636-004-00	Washer, Spring	2	



PSU/TERMINATION UNIT

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 15	SLI KY 2000	GROUP 13	PAGE 34
S.NO.	PART NO.	DESCRIPTION PSU/Termination Unit 161-044-00	QUANTITY	NOTE
1	161-045-00	Pcb Assy.	1	
2	228-056-04	Mtg. Strip	2	
3	228-257-01	Mth.Plate Main	1	
4	228-057-02-	Mtg. Plate Heat Sink	1	
5	238-066-01	Mtg. Boss	4	
6	421-405-00	Transistor,Pnp	1	
7	504-002-00	Buzzer, Piezo	1	
8	521-007-+00	Heat Sink, Anodized	1	
9	531-023-00	Wire, Flexible, Strain		
10	531-027-00	Wire, Flexible, Strain		
15	591-045-00	Pol'Mide Cable Gland	2	
16	591-046-00	Pol' Mide Lock Nut	2	
11	591-047-00	Pol'Mide Cable Gland	6	
12	591-048-00	Pol' Mide Lock Nut	6	
13	591-052-00	Plastic Housing	1	
14	591-053-00	Cover, Housing	1	
17	595-001-00	Label	1	
18	595-011.00	Label	1	
19	595-043-00	Label	1	
20	601-013-00	Screw, Hex Head	4	
21	601-030-00	Screw, Hex Head	4	
22	603-007-00	Screw, Cheese Head	4	
23	603-009-00	Screw, Cheese Head	4	
24	621-001-00	Nut ,Hex	3	
25	631-003-00	Washer,Plain	4	
22	631-005-00	Washer,Plain	4	
23	632-001-00	Washer,Plain	3	
24	632-001-00	Washer,Plain	4	
25	636-003-00	Washer, Spring	4	
26	636-005-00	Washer, Spring	4	
27	637-001-00	Washer,Star	3	

PCB ASSY.

ECEL HK-17 CRANE**PARTS CATALOGUE**

ISSUE 01	FIGURE NO. 16	SLI KY 2000	GROUP 13	PAGE 36
S.NO.	PART NO.	DESCRIPTION	QUANTITY	NOTE
		Pcb Assy. 161-045-00		
1	300-814-00	Pcb Assy.	1	
2	363-422-00	Resistor ,Mf	3	
3	397-412-00	Resistor ,Mf	1	
4	401-003	Capacitor, Ceramic	4	
5	402-301-00	Capacitor, Film	4	
6	402-301-00	Capacitor Al.	1	
7	404-102-00	Capacitor Al.	1	
8	404-503-00	Diode , Rectifier	2	
9	411-002-00	Diode , Rectifier	5	
10	411-013-00	Trasnszorb	2	
11	416-102-00	Mov	2	
12	416-701-00	Transistor, Npn	1	
13	420-006-00	Ic, V Regulator	1	
14	487-010-00	Inductor	1	
12	501-006-00	Relay	1	
13	505-056-00	Connector Pin, Pcb	3	
14	505-066-00	Connector,Male	1	
15	505-079-00	Connector ,Male	1	
16	505-081-00	Connector ,Male	1	
17	507-012-00	Terminal Block, 1Way	34	
18	507-013-00	End Plate	8	
19	508-101-00	Fuse, Fast Blow	1	
20	508-104-00	Fuse, Fast Blow	1	
21	508-503-00	Fuse Holder	2	
22	521-004-00	Heat Sink, Anodised	1	
23	604-005-00	Screw. Pan Head	1	

INDEX

GROUP No. 14

DESCRIPTION	PAGE No.
ALPHABETICAL INDDEX	1 TO 19

ALPHABETICAL INDEX

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
"C Sunk Screw	10	2	51	1.1 LTR Duel Fuel Fil	1	30	1	Air Pressure Gauge	12	2	7
"O" Ring	2	12	2	1/M/SD25 Spool	11	5	11	Al. Housing W/Cove	13	8	7
"O" Ring	2	16	2	1st Extension Assy.	10	2	2	Allen Bolt	11	8	15
"O" Ring	2	5	3	1st Extension Assy. -	10	4		Allen Bolts M5 X 30L	11	28	3
"O" Ring	2	6	3	1st Extension Fab.	10	4	1	Allen Bolts M5x30L	11	26	6
"O" Ring	2	7	3	2 Core Shielded Cabl	12	5	37	Allen Bolts M5x90L	11	26	7
"O" Ring	2	8	3	2 Pin Socket, 5 A	12	4	29	Allen Plug	11	7	16
"O" Ring	2	9	3	2/M/SD25 Spool	11	5	12	Allen Plug Assy.	11	25	6
"O" Ring	2	10	3	4WS Steering Valve I	11	1	19	Allen Plug Assy. 1/2"	11	8	13
"O" Ring	2	5	4	5/16 In Bsf Setscrew	3	2	13	Allen Plug Assy. 1/4"	11	8	11
"O" Ring	2	6	4	5/16" In Spl. Combine	3	2	7A	Allen Screw	10	2	13
"O" Ring	2	7	4	7M Lucas Starter (24"	1	47		Allen Screw	4	1	23
"O" Ring	2	8	4	Aadopter Plate Assy.	4	1	12	Allen Screw	1	73	3
"O" Ring	2	9	4	Accelerator Lever (Pl	1	1		Allen Screw	1	73	11
"O" Ring	2	10	4	Accelerator Pedal	8	1	24	Allen Screw	3	1	18
"O" Ring	2	16	7	Acceleator Lever (Pul	1	1	1	Allen Screw	3	1	19
"O" Ring	1	30	8	Adapter	8	2	30	Allen Screw	1	73	25
"O" Ring	2	12	12	Adapter	11	3	4	Alternator	1	46	1
"O" Ring	2	12	14.2	Adapter	11	23	65	Alternator	1	46	
"O" Ring	2	12	14.3	Adapter /Manifold	11	23	58	Alternator Mounting	1	50	*2
"O" Ring	8	2	20	Adaptor	1	296	10	Angle	9	1	25
"O" Ring	11	21	28	Adaptor	1	72	16	Angle Bracket	13	14	4
"O" Ring	8	2	32	Adaptor	8	1	17	Angle Disc	2	16	5
"O" Ring	11	23	33	Adaptor	1	44	1	Articulated Tie Rod	4	6	1
"O" Ring	11	20	47	Adaptor Assy. (For Tl	1	62	7	Articulated Tie Rod	5	6	1
"O" Ring	11	23	59	Adaptor Fab.	10	2	45	Assembly of Air Deli	1	4	*1
"O" Ring	11	23	83	Adaptor for Air Delive	1	4	3	Assembly Of Injecto	1	37	1
"O" Ring	11	18	12 *	Adaptor For Br5eaqth	1	57	6	Assembly of Semifin	1	15	*14
"O" Ring	11	18	13 *	Adaptor For Lub Oil S	1	45	2	Assy. Of Auxillary G	3	2	—
"O" Ring	11	18	14 *	Adaptor For Spin On	1	41	4	Assy. Of Auxillary G	3	2	
"O" Ring	8	2	14 x	Adaptor on L O Filter	1	44	5	Assy. Of Auxillary G	3	2	
"O" Ring	8	2	19 x	Adaptor Plate	1	49	1	Assy. Of Auxillary G	3	2	
"O" Ring	11	18	7 *	Adjacent Jumpers Su	12	4	9	Assy. Of Intermedial	1	38	*1
"O" Ring	2	14		Adjacent Jumpers Su	12	5	10	Assy. Of Stop Solen	1	58	1
"O" Ring	2	15		Adjusting Bolt	4	5	11	Assy.Of L.E. Brg. (T	1	54	*17
"O" Ring	2	15		Adjusting Bolt	5	5	11	Auto Drain Valve	8	1	9
"O" Ring	2	15		Adjustment Screw	8	2	21	AUTOMATIC DRAIN	8	4	
"O" Ring	2	14		Adopter	1	73	21	AUTOMATIC DRAIN	8	5	
"O" Ring - Dipstick (2:	1	18	2	Adopter Plate	3	1	6	Auxiliary Gear Box	3	1	1
"O" Ring - Dipstick (2:	1	68	*50	Adopter Plate	3	1	7	Ax. Needle Cage	2	16	4
"O" Ring - L.O.Pump	1	42	10	adopter plate	4	1	25	Axle Case	4	4	1
"O" Ring (For Cylinde	1	16	3	Adopter Plate Assy.	5	1	8	Axle Case	5	4	1
"O" Ring (For Cylinde	1	68	*53	Adopter on Crank Pul	1	2	1	Axtal Washer	2	16	3
"O" Ring (For Deliver	1	17	7	Adopter On Crank Pu	1	2		B/U Ring	11	7	12 *
"O" Ring (For Deliver	1	68	*55	AGB INSTALL. - 28-A	3	1		B/U Ring	11	7	13 *
"O" Ring For Compre	1	49	5	AGB Mtg. Bkt. (Rear)	3	1	3	B/U Ring	11	8	d
"O" Ring For Compre	1	68	*51	AGB Mtg. Bkt. (Side)	3	1	2	B/U Ring	11	8	1
"O" Ring For Cover P	1	10	10	Air Cleaner Assembly	1	19	*1	Back Up Ring	4	5	5
"O" Ring For Cover P	1	68	*52	Air Cylinder For Acce	8	1	20	Back Up Ring	5	5	5
"O" Ring For Cylinder	1	16	4	Air Delivery Pipe (For	1	4	2	Back Up Ring	4	5	9
"O" Ring For Cylinder	1	68	*54	Air Filter	8	1	5	Back Up Ring	5	5	9
"O" Ring For No0zzle	1	37	5	Air Inlet Cap	1	3	1	Back Up Ring	11	13	10
"O" Ring For Nozzle	1	68	*56	Air Inlet Manifold (FE	1	5	1	Back Up Ring	11	13	13
"O" Ring -L.O.Pump	1	68	*49	Air Inlet Pipe From Ai	1	6	11	Back Up ring	11	4	26

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Back Up ring	11	4	27	Bearing Bush	2	4	10	Bottom Plate For Ca	1	52	*13
Back up Ring	11	18	15 *	Bearing Cap (Gear E	1	14	11	Bracket	2	4	24
Back Up Ring	11	25	D	Bearing Housing For	1	66	8	Bracket	2	4	25
Back Up Ring	11	25	I	Bearing Spacer	11	19	20	Bracket (For Turbo I	1	62	9
Backup Ring	11	20	4	Bearing Support (04 I	11	15	23	Bracket For Air Deliv	1	4	13
Backup Ring	11	20	48	Bearing Support (05 c	11	15	23	Bracket For Exh. Dif	1	24	4
Backup Ring	11	18	16 *	Bearing, Ball	13	3	20	Brake 4F	11	13	
Balance Wt.	1	13	4	Bearing, Ball	13	12	20	Brake Clutch Asserr	11	23	56
Ball	6	2	3	Bevel Gear	11	12	9	Brake Clutch Assy.	11	22	
Ball	2	14	4	Bevel Gear Set	4	3	23	Brake Cylinder (Lob	11	20	1
Ball	6	2	27	Bevel Gear Set	5	3	23	Brake Cylinder (Slin	11	20	1
Ball Bearing	2	3	6	Blackout Lamp	12	4	30	Brake Disc	4	5	15
Ball Bearing	4	4	18	Blanking Plate (For Fi	1	28	6	Brake Disc	5	5	15
Ball Bearing	5	4	18	Blanking Plate For Ca	1	14	21	Brake Group	11	20	
Ball Bearing - Skf 621	3	2	64	Bleeder Plug Assy. 1/	11	8	9	Brake Shaft	11	13	3
Ball Bearing With Onr	10	2	29	Bleeding Bolt	4	5	2	Brake Valve	11	23	62
Banjo	1	59	2	Bleeding Bolt	5	5	2	Brakes - 213.07.000	4	5	
Banjo Bolt	1	39	2	Block Retract Chain	10	2	47	Brakes - 213.07.000	5	5	
Banjo Bolt	1	30	2	Body	8	4	1	Brass Washer	9	2	10
Banjo Bolt	9	2	7	Body	8	5	3	Brass Washer	9	3	17
Banjo Bolt (M22x1.5)	1	10	3	Body HD35	11	4	2	Breather	2	4	8
Banjo Bolt With Strair	1	32	6	Body KP20	11	4	1	Breather Assy.	9	3	8
Banjo Bolt With Strair	1	32	7	Bolt	4	4	3	Breather Pipe	1	57	4
Banjo Coupling HSW	1	10	2	Bolt	5	4	3	Breather Pipe	1	7	1
Base	7	1	13	Bolt	4	4	4	Breather Pipe (Turbo	1	7	
Base (Left Hand)	11	17	22	Bolt	5	4	4	Brush Holder	13	12	33
Base (Right Hand)	11	17	22	Bolt	4	6	5	Bush	4	7	1
Base Cover	8	2	38	Bolt	5	6	5	Bush	11	7	18
Base Plate	13	2	2	Bolt	4	3	5	Bush	10	1	20
Base Plate	11	16	90	Bolt	5	3	5	Bush (Glacier)	4	1	16
Battery 12V DC	12	4	32	Bolt	4	4	6	Bush Drum End	13	1	34
Battery Box	9	1	34	Bolt	5	4	6	Bush For Alternator	1	50	14
Battery Cover	9	1	33	Bolt	4	3	12	Bush For Intermedia	1	38	3
Beacon Lamps Revol	12	5	28	Bolt	5	3	12	Bush For Lever	1	42	20
Bearing	11	14	4	Bolt	4	4	24	Bush Fpr Injector	1	37	4
Bearing	11	9	7	Bolt	5	4	24	Bush Sheave /Cente	13	1	32
Bearing	11	12	7	Bolt	11	27	12	Bushing	6	2	4
Bearing	11	9	10	Bolt For Cylinder Hea	1	15	34	Bushing	7	1	9
Bearing	11	12	10	Bolt For Flywheel	1	27	4	Bushing	7	1	10
Bearing	11	19	13	Bolt For MB Cap (He)	1	14	12	Bushing	4	4	12
Bearing	4	4	14	Bolt Hex	10	1	3	Bushing	5	4	12
Bearing	5	4	14	Bolt Hex	10	1	10	Button For Injector Y	1	15	29
Bearing	11	19	19	Bolt Hex	10	1	15	Button For Oil Spray	1	14	43
Bearing	11	12	19	Bolt Hex	10	2	16	Buzzer, Piezo	13	15	7
Bearing	11	12	22	Bolt Hex	10	1	21	Bypass Hose (Lengt	1	61	9
Bearing	11	21	26	Bolt Hex M12x40Lg,8	10	6	9	Bypass Hose (Lengt	1	68	*59
Bearing	4	4	42	Bonded Seal	11	25	7	"C' Sunk Screw	10	4	10
Bearing	5	4	42	Bonded Seal	11	7	15	"C' Sunk Screw	10	5	11
Bearing , Roller	13	1	36	Bonded Seal 1/4" BSi	11	8	12	Cabin Assy. Comple	12	1	
Bearing ,Roller	13	1	37	Boom Assy. Compl. -	10	2		Cabin Fabrication	12	1	1
Bearing 6004	1	66	10	Boom Assy. Compl. -	10	2		Cabin Heater/Demis	12	5	38
Bearing 6304Z	1	66	12	Boom Length Amplific	13	8		Cable Anchor (in .	11	21	57
Bearing Assy.	6	2	7	Boot	7	2	14*	Cable Anchor (in .	11	21	57
bearing Bush	2	3	3	Boss	13	12	50	Cable Anchor (in .	11	21	57

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Cable Anchor (in . 1	11	21	57	Capacitor, Ceramic	13	7	15	Circlip Internal -52 M	1	66	13
Cable Drum (04)	11	21	24	Capacitor, Ceramic	13	7	16	Circlip, External	13	12	25
Cable Drum (05)	11	21	24	Capacitor, Film	13	16	5	Circlip, Internal	13	12	26
Cable Drum Assy.	13	11	1	Capacitor, Film	13	7	17	Clamp	1	48	8
Cable Drum Assy. 16	13	12		Capscrew	11	23	42	Clamp	1	48	10
Cable Drum Assy. 16	13	12		Capscrew	11	23	60	Clamp	1	71	5
Cable Drum Assy. 16	13	11		Capscrew	11	23	61	Clamp (For Turbo D	1	62	12
Cable Gland Nylon	12	4	23	Capscrew	11	23	70	Clamp Assy.	1	71	2
Cable Gland Nylon	12	5	27	Capscrew	11	20	42	Clamp Assy.	1	48	*7
Cable Guide Assy. 16	13	14		Capscrew (-13x Fl	11	16	39	Clamp Assy. For Fu	1	48	*6
Cable Guide Bracket	13	14	1	Capscrew (- 13 x G	11	16	96	Clamp For Inlet Pipe	1	6	12
Cable Round ,Shield	13	11	3	Capscrew (Special)	11	16	93	Clamp Sub Assy.	1	48	*9
Cable, Round	13	4	9	Capscrew Soc. Head	11	17	40	Clamping Bar	13	12	67
Cam	7	1	6	Cardon Shaft	6	2	11	Clamping Plate	1	9	5
Cam Bush	1	14	15	Center Sheave	13	1	3	Clamping Screw For	1	52	8
Camshaft	1	8	2	Central Housing - 21	4	2		Clamping Strap	1	60	5
Camshaft Assembly (	1	8	*1	Central Housing - 21	5	2		Clip For Breather Pij	1	7	2
Camshaft Gear	1	8	3	Central Shaft	2	3	10	Collar	13	12	10
Cap	1	52	11	Centre Cover-I	9	1	9	Collar Spacer	10	2	41
Cap Assy.	1	52	*6	Centre Cover-II	9	1	10	Collector Electrical	11	6	14
Cap For Adoptor	1	296	20	Centre Piece	13	5	11	Collector Electrical 4	11	6	15
Cap Fuel Tank	9	2	2	Ceramic Ring	1	66	17	Combination Switch	12	1	9
Cap Screw	2	12	6	Chain Link	13	1	40	Combination Switch	12	5	35
Cap Screw	7	1	7	Chain Roller	10	2	18	Combined Exh Silen	1	9	1
Cap Screw	2	16	8	Chain Roller Bkt.	10	2	10	Combined Exh Silen	1	9	
Cap Screw	7	1	11	Chain Roller Shaft	10	2	22	Compl. Dual Valve	6	2	26
Cap Screw	2	4	12	Chain Tray	10	2	31	Compl. Relief Valve	6	2	24
Cap Screw	2	14	12	Change Wheel On Dr	3	2	91A	Compr. Spring	2	14	3
Cap Screw	2	12	16	Change Wheel On Dr	3	2	91B	Compr. Spring	2	15	5
Cap Screw	2	4	17	Chassis / Plateform &	9	1		Compr. Spring	2	15	8
Cap Screw	2	4	20	Check Ball	11	18	17	Compr. Spring	2	15	11
Cap Screw	2	15	29	Check Ball Spring	11	18	18	Compr. Spring	2	15	12
Cap Screw	2	15	43	Check Nut	11	3	6	Compr. Spring	2	15	21
Cap Screw	2	4		Check Valve	11	1	15	Compr. Spring	2	15	23
Cap Screw	2	12		Check Valve	8	3	17 *	Compr. Spring	2	15	40
Cap Screw	2	4		Check Valve Poppet	11	18	8	Compressor Ring (1	1	54	9
Cap Screw	2	4		Check Valve Spring	11	18	10	Compressor SC 16C	1	10	
Cap Screw	2	12		Check Valve Spring	8	3	15 *	Compressor SC 16C	1	10	1
Cap Screw	2	16		Circlip	11	13	1	Compressor)	1	68	
Cap Screw	2	15		Circlip	11	14	3	Con Rod (W/ O Mas	1	54	13
Cap Screw	2	15		Circlip	4	2	4	Con Rod Assy.(With	1	54	*12
Cap Screw	2	14		Circlip	5	2	4	Con Rod Bvlt	1	54	16
Capacitor, Al.	13	9	19	Circlip	11	14	6	Con. Rod Assy. (Wil	1	54	*11
Capacitor, Al.	13	9	20	Circlip	4	4	15	Conical Spring	8	2	10
Capacitor, Al.	13	9	21	Circlip	5	4	15	Connecting Flange	11	12	4
Capacitor, Ceramic	13	9	17	Circlip	4	4	17	Connector ,Male	13	16	15
Capacitor, Ceramic	13	9	18	Circlip	5	4	17	Connector ,Male	13	16	16
Capacitor Al.	13	16	6	Circlip	11	13	18	Connector Assy.	13	10	3
Capacitor Al.	13	16	7	Circlip	4	4	34	Connector Assy.	13	10	4
Capacitor Al.	13	7	18	Circlip	5	4	34	Connector Assy.	13	10	5
Capacitor Al.	13	7	19	Circlip (Internal) -35 M	1	54	6	Connector Pin, Pcb	13	16	13
Capacitor Al.	13	7	20	Circlip , External	13	3	22	Connector Pin, Pcb	13	9	30
Capacitor, Ceramic	13	16	4	Circlip 35 MM Dia Ext	3	2	72	Connector Pin,Pcb	13	7	35
Capacitor, Ceramic	13	7	14	Circlip 90 MM Dia Inte	3	2	65	Connector,Male	13	16	14

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Conrod Bearing HA	1	69	*10	Copper washer (30x3	1	68	*47	Crank Pulley (Spb S	1	12	
Conrod Bearing HA	1	69	*11	Copper Washer 18x2	1	15	9	Crank Pulley Bolt -Up	1	12	2
Conrod Bearing HA	1	69	*12	Core Plug	1	14	19	Crank Shaft	1	13	
Conrod Bearing HA	1	69	*13	Core Plug	1	14	28	Crank Shaft -KHD	1	13	3
Conrod Bearing HA	1	69	*14	Core Plug	1	15	10	Crank Shaft Plug- Al	1	15	6
Conrod Bearing HA	1	69	*9	Core Plug (For Cylind	1	15	28	Crank shaft Pulley (I	1	12	1
Conrod Bearing HA S	1	69	*8	Core Plug 16x1.5	1	28	12	Crankcase (Line Boi	1	14	*2
Control Piston	2	15	9	Core Plug -Heaxagon	1	15	8	Crankcase (Turboch	1	14	3
Control Unit	2	14		Core Plug -Hexagonn	1	4	6	Crankcase (Turboch	1	14	
Control Valve	11	27		Cotter Pin	7	1	4	Crankcase (Turboch	1	14	
Converter	2	2	1	Counter Sunk Socket	1	42	9	Crankcase Assy. Wi	1	14	*1
Converter	2	2		Countersunk Bolt	4	4	47	Crankcase Foot Fue	1	23	5
Converter bell	2	4	9	Countersunk Bolt	5	4	47	Crankcase Foot Sta	1	23	4
Convoi Light	12	4	27	Coupling	2	5	1	Crankshaft Assy. Wi	1	13	*1
Copper Brush	13	12	34	Coupling	2	6	1	Crankshaft Gear (Fi	1	13	9
Copper Washer	1	45	3	Coupling	2	7	1	Crankshaft Plug Alu	1	14	7
Copper Washer	1	30	3	Coupling	2	8	1	Cross Pin	6	2	9
Copper Washer	1	32	5	Coupling	2	9	1	Cr'Shaft Assy. W/o (	1	13	*2
Copper Washer	9	2	8	Coupling	2	10	1	CSK Screw	10	2	20
Copper Washer	1	296	11	Coupling	11	14	5	Cup	7	2	7*
Copper Washer	1	32	12	Coupling	2	12	14	Cup For Spring	1	42	14
Copper Washer	1	296	19	Coupling - K-1	2	5		Cup For Valve Sprin	1	15	21
Copper Washer	1	45	*5	Coupling - K-2	2	6		Cup Spring	2	5	5
Copper Washer	11	8	10	Coupling - K-3	2	7		Cup Spring	2	6	5
Copper Washer	11	8	14	Coupling - K-4	2	8		Cup Spring	2	7	5
Copper Washer (12x	1	14	20	Coupling - O.VAB	2	11		Cup Spring	2	8	5
Copper Washer (26 :	1	15	11	Coupling VA	2	12		Cup Spring	2	9	5
Copper Washer (1'4x	1	14	37	Coupling VA	2	12		Cup Spring	2	10	5
Copper washer (10x1	1	68	*32	Cover	13	12	5	Cup Spring	2	12	14.1
Copper Washer (10x	1	14	27	Cover	13	12	6	Cup Spring	2	12	14.5
Copper washer (10x1	1	68	*33	Cover	8	4	7	Cushion Rubber Ca	1	66	18
Copper washer (12x1	1	68	*34	Cover	2	15	16	Cyl Head With VLV.	1	15	*2
Copper Washer (14x	1	20	4	Cover	2	15	33	Cyl. Ram Pin	10	2	34
Copper Washer (14x	1	61	8	Cover	2	15	47	Cylinder Bolt	4	6	3
Copper Washer (14x	1	68	*35	Cover	11	9	5	Cylinder Bolt	5	6	3
Copper Washer (14x	1	9	3	Cover	11	10	6	Cylinder Bolt	4	5	4
Copper Washer (14x	1	68	*36	Cover	11	10	7	Cylinder Bolt	5	5	4
Copper Washer (16x	1	61	13	Cover For Fuel Pump	1	296	15	Cylinder Bolt	4	6	4
Copper Washer (16x	1	68	*37	Cover For Fuel Pump	1	11	2	Cylinder Bolt	5	6	4
Copper washer (17x2	1	28	13	Cover For Fuel Pump	1	11		Cylinder Bolt	4	2	9
Copper Washer (17x	1	68	*38	Cover HD35	11	4	4	Cylinder Bolt	5	2	9
Copper Washer (18x	1	68	*39	Cover Plate	1	42	8	Cylinder Head (345	1	15	
Copper Washer (18x	1	68	*40	Cover Plate	1	10	9	Cylinder Head (Finis	1	15	4
Copper Washer (18x	1	68	*41	Cover Plate	4	3	19	Cylinder Head Asse	1	15	*1
Copper Washer (18x	1	68	*42	Cover Plate	5	3	19	Cylinder Head Asse	1	15	*3
Copper Washer (18x	1	68	*43	Cover Plate	3	2	60	Cylinder Liner (105 l	1	16	
Copper Washer (18x	1	68	*44	Cover Plate FAB.	9	3	11	Cylinder Liner (105n	1	16	2
Copper Washer (20x	1	5	7	Cover Plate For Flywl	1	28	9	Cylinder Tube Weld	11	25	1
Copper washer (20x2	1	14	17	Cover Plate For Fronl	1	296	21	Cylinder Tube Weld	11	8	1
Copper Washer (22.2	1	10	7	Cover Plate Gasket	9	3	12	Cylinder With "O" Ri	1	16	*1
Copper Washer (22x	1	10	8	Cover, Housing	13	15	14	Cylindrical Pin	2	4	5
Copper Washer (24x	1	68	*45	Cover,Housing	13	6	4	Damper Piston	11	18	6
Copper Washer (27x	1	68	*46	Cowling	1	72	2	Dash Board	12	2	1
Copper washer (30 x	1	4	5	Cradle Fabriction	4	1	2	Deflector For FEW (	1	13	10

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Deflector Plate	1	57	3	Disc -Steel (Lobed)	11	20	7	Drum Group	11	21	
Deleted	11	1	14	Display Housing	13	10	6	Dry Type Air Cleane	1	19	
Deliver Body Assemb	1	17	1	Display, C/W Mountin	13	10		Duct Plate	2	14	2
Delivery Body	1	17	2	Distance Bush For At	3	2	30	Dust Excluder	4	4	11
Delivery Body	1	17		Distance Bush For At	3	2	39	Dust Excluder	5	4	11
Delivery Tube	1	17	6	Distance Piece	11	27	3	Dust Flap	8	2	31 x
Delivery Volute (345 (	1	66	23	Distance Piece	3	2	41	Dust Seal Ring	6	2	1 *
Derrick Cylinder	10	1	5	Distance Piece	3	2	44	Dynamometer Assy.	13	1	1
Derrick Cylinder - 28-	11	7		Distance Piece	3	2	55	Dynamometer Assy.	13	1	
Derrick Pin	10	1	6	Distance Piece	3	2	63	Dynamometer Assy.	13	1	
Derrick Pin	10	1	8	Distance Piece	3	2	69	E Type Circlip - Ext	1	65	7
Diaphragm	2	1	1	Distance Piece	3	2	77	Eccentric Cam, Plair	13	1	21
Diaphragm	8	5	6 *	Distance Piece	3	2	80	Eccentric Cam, Tapp	13	1	22
Diaphragm	8	2	4	Distance Washer	3	2	71	Eccentric Spindle	13	1	18
Diaphragm Assy. Cor	8	2		Distance Washer On	3	2	88	EI25/24VDCValve	11	5	17
Differential	4	3	24	Distributor Detail	11	5		Elbow	8	1	13
Differential	5	3	24	Distributor Plate	6	2	14	Elbow	11	23	66
Differential -213.04.0l	4	3		Double Cone Ring	1	60	4	Elbow	11	23	68
Differential -213.04.0l	5	3		Double Socket	8	1	12	Elbow	11	23	69
Differential Side Gear	4	3	9	Double Socket	8	1	27	Elbow	11	3	5
Differential Side Gear	5	3	9	Dowel	1	14	38	Elbow Adopter, Mair	11	3	1
Differntial	4	3	6	Dowel	3	2	11A	Elbow Fitting	11	18	19
Differntial	5	3	6	Dowel Bush	10	1	22	Elec Pr Gauge With	1	22	*1
Differntial Pinion	4	3	10	Dowel For Gear Casii	1	35	8	Elec. Wt Gauge 40-	1	20	2
Differntial Pinion	5	3	10	Dowel Pin	10	1	7	Elect . W.T. Gauge \	1	20	
Diffuser Assy.	9	3	7	Dowel Pin	11	4	33	Elect RPM Cum Hou	1	21	1
DIN Rail , 35mm SQ	12	5	7	Dowel Pin 8x25	1	13	7	Elect. Water Temp (	1	20	*1
DIN Rail 35mm SQ 1	12	4	6	Dowel Pin 8x60	1	13	8	Electric Cable Drum	12	5	40
Diode , Rectifier	13	16	8	Dowel Pins	1	14	47	Electrical Kit (Upper	12	5	
Diode , Rectifier	13	16	9	Dowty Seal	11	3	2	Electrical L.O.P Gau	1	22	2
Diode In 5408	12	4	24	Dowty Seal	11	3	3	Electrical L.O.P.Gau	1	22	
Diode In 5408	12	5	29	Dowty Seal	9	3	6	Emergency (Wind O	11	1	18
Diode Rectifier	13	7	22	Dowty Seal	11	3	8	End Block	10	2	64
Diode, Rectifier	13	9	23	Dowty Seal	11	3	10	End Cover	6	2	17
Diode, Small Signal	13	7	21	Dowty Seal	11	3	13	End Plate	13	16	18
Dipstick	9	3	15	Dowty Seal	11	3	17	End Plate	13	9	32
Dipstick (Pressed Sur	1	18		Dowty Seal	11	3	19	End Plate	13	7	37
Dipstick Assy. (Press	1	18	1	Dowty Seal	11	3	25	End Plate For 4 Way	12	4	5
Dipstick Guide	1	14	25	Dowty Seal	11	3	27	End Plate For 4 Way	12	5	6
Dir Contd VLV .DG4v	11	26	1	Dowty Seal	11	3	31	End Plate For T.B.Pi	12	4	12
Dir Contd VLV .DG4v	11	26	2	Drain Plug	1	296	12	End Plate For T.B.Pi	12	5	14
Dir. Cont. VLV	11	28	1	Drain Plug Magnetic	9	2	9	End Plate Fused Tei	12	4	3
Direction Sensor 161-	13	3		Drive Gear	11	4	7	End Plate Fused Tei	12	5	4
Disc - Steel (Splined)	11	20	7	Drive Screw	6	2	23	End Plug	7	2	1
Disc Carrier	2	12	3	Drive Shaft	11	4	9	End Shim	2	5	10
Disc Carrier	2	7	12	Driven Gear	11	4	8	End Shim	2	6	10
Disc Carrier	2	9	12	Driven Gear	11	4	10	End Shim	2	7	10
Disc Carrier	2	10	12	Driving Flange	3	2	48	End Shim	2	8	10
Disc Carrier	2	5	13	Driving Flange	3	2	84	End Shim	2	9	10
Disc Carrier	2	6	13	Driving Spindle Spee	3	2	87	End Shim	2	10	10
Disc Carrier	2	8	13	Drivng Spindle Brkt. S	3	2	86	End Shim	2	12	14.13
Disc Carrier	2	12	14.1	Drum Closure (04 dr	11	21	25	End Shim	2	12	14.16
Disc -Friction	11	20	6	Drum Closure (05 dr	11	21	25	End Stop For 35mm	12	4	7
Disc Pushing	11	13	17	Drum End Sheave	13	1	5	End Stop For 35mm	12	5	8

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Engine	1	73	1	Flywheel	1	27		Fused Glass Fast Bl	12	4	13
Engine Connect.	2	1		Flywheel Assembly	1	27	*1	Fused Glass Fast Bl	12	5	15
Engine Cover Front	9	1	26	Flywheel Housing	1	28	1	Gaiter	8	3	1 *
Engine Cover Rear	9	1	27	Flywheel Housing	1	28		Gasket	2	14	1
Engine Mounting Pad	3	1	24	Flywheel Simplex -Bh	1	27	2	Gasket	2	14	6
Engine MTG. Foot As	1	23	*1	Foel Pipe	1	33	2	Gasket	2	14	8
Engine Mtg. Foot Ass	1	23		Fog Light	12	4	28	Gasket	2	14	9
Engine Pad	1	73	12	Follower	8	2	3	Gasket	13	10	10
E-Ring	7	1	3	Fork	8	1	23	Gasket	2	14	11
Exhaust Cover	8	5	9	Fork Base	13	1	16	Gasket	2	15	15
Exhaust Diffuser & Mi	1	24		Fork Side Plate	13	1	17	Gasket	3	2	22
Exhaust Diffusser (K2	1	24	1	Friction Drive Wheel	13	3	10	Gasket	3	2	24
Exhaust Flap	8	2	23 x	Friction Washer	4	3	8	Gasket	2	15	32
Exhaust Manifold	1	25		Friction Washer	5	3	8	Gasket	2	15	46
Exhaust Manifold (Fo	1	25	1	Friction Washer	4	3	11	Gasket (For Exhaust	1	68	*22
Exhaust Pipe	1	71	4	Friction Washer	5	3	11	Gasket (For Exhaust	1	25	2
Exhaust Support	1	71	3	Front Axle	4	1	1	Gasket (For Turbo	1	63	2
Exhaust System - 28-	1	71		Front Axle Installation	4	1		Gasket (For Turbo	1	68	*29
Exhaust Valve	1	15	20	Front Cover (For PTL	1	296	1	Gasket For Above	3	2	5
Ext , Nozzle Leak Off	1	26		Front Cover (PTL)	1	296		Gasket For Cyl. Hea	1	15	32
Ext. Nozzle Leak Off	1	26	1	Front Light grill Assy.	9	1	23	Gasket For Cyl. Hea	1	68	*17
Extension Bar	10	2	40	Front Mud Guard (LH	9	1	1	Gasket For Speedor	3	2	51
Extension Chain	10	2	5	Front Mud Guard (RH	9	1	2	Gasket For Top Cov	3	2	10
Extension Chain Bloc	10	2	49	Fuel Filter & Mounting	1	48		Gear	1	49	2
Eye Bolt	1	50	4	Fuel Filter 1.1L	1	30		Gear Box Housing	2	4	
Fabricated Base Part	11	16		Fuel Filter Element	1	30	7	Gear Casing	1	35	1
Ferrul, D15 -L (Hyloc)	1	10	6	Fuel Filter Element pre	1	30	6	Gear Casing (S/F G	1	35	
Filter	2	17		Fuel Float	9	2	6	Gear Speedometer	3	2	81
Filter	8	2	13 x	Fuel Gauge	12	2	6	Gear Wheel set	6	2	15
Filter	8	4	2 *	Fuel Indicator Pipe	9	2	11	Gearshift Sys.	2	15	—
Filter Assy.	2	17	1	Fuel Injection Pump	1	31		Gearshift Sys.	2	15	—
Filter Retainer	8	2	12	Fuel Injection Pump	1	32		Gearshift Sys.	2	15	
Fixed Dog Clutch	3	2	31	Fuel Pipe	9	2	3	Gearshift Syst.	2	15	
Fixed Dog Clutch	3	2	70	Fuel Pipe	9	2	5	Gerbox Housing	11	9	8
Fixing Plate	2	12	13	Fuel pipe Feed Pump	1	48	5	Gland	11	25	4
Fixing Plate	2	12	14.9	Fuel Pipe Fuel Filter	1	48	4	Gland	11	8	4
Fixing Plate	2	4	19	Fuel Pipes	1	33	*1	Gland	11	7	4
Fixing Plate	2	15	26	Fuel Pipes	1	33		Gland	7	3	4
Fixing Plate	2	15	28	Fuel Pump	1	32	1	Governor Plunger	8	2	7
Fixing Plate	2	15	42	Fuel Pump Cover Wit	1	11	*1	Graduating Spring	8	3	6
Flange	10	2	19	Fuel Pump Cover Wit	1	296	*14	Graduating Spring	8	3	20
Flange	4	3	20	Fuel Pump Gear	1	34		Grease Fitting	4	7	4
Flange	5	3	20	Fuel Pump Gear(Fini	1	34	1	Grease Fitting	4	4	7
Flange For Starter	1	28	5	Fuel Tank Assy. - 28/	9	2		Grease Fitting	5	4	7
Flange For Turbo Dra	1	62	2	Fuel Tank Fabricator	9	2	1	grease Nipple	11	24	7
Flange HD35	11	4	31	Funnel	1	60	12	Grease Nipple	11	7	17
Flange KP20	11	4	3	Fuse Holder	13	16	21	Grease Nipple	11	8	17
Flange PL20	11	4	30	Fuse Term. Block	12	4	2	Grease Nipple	10	2	23
Flapper	4	1	6	Fuse Term. Block	12	5	3	Grease Nipple	13	1	39
Flapper	5	1	7	Fuse, Fast Blow	13	16	19	Grooved Socket Pin	1	65	5
Flexible Bush	3	2	18	Fuse, Fast Blow	13	16	20	Grooved Stud	2	4	7
Flexible Fuel Pipe	9	2	4	Fused Glass Fast Blo	12	5	16	Grub Screw	11	24	4
Flexible Steel Hose	1	71	1	Fused Glass Fast Blo	12	5	18	Grub Screw	11	4	14
Flexible Strip	13	1	19	Fused Glass Fast Blo	12	5	17	Grub Screw	1	73	22

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Grub Screw	10	2	27	Hex Nut	10	2	58	Hollow Dowel (M.B.	1	14	14
Grub Screw	11	25	9	Hex Screw	1	72	3	Hook 20 Ton	10	6	1
Grub Screw M10x1.5	11	8	16	Hex Screw	9	1	6	Horn Button Red	12	2	9
Grub Screw With Doç	10	2	59	Hex Screw	9	3	9	Hose	11	23	71
Guide Roller	10	2	24	Hex Screw	1	73	9	Hose	11	2	H20
Guide Roller Shaft	10	2	26	Hex Screw	9	2	12	Hose	1	72	10
H.P Pie Assy. Bend	1	36	2	Hex Screw	9	1	12	Hose	11	2	H13
H.P Pie Assy. Bend	1	36	3	Hex Screw	9	1	18	Hose	11	2	H4
H.P Pie Assy. Bend	1	36	4	Hex Screw	1	73	18	Hose (Slew/Tank/C	11	2	H5
H.P Pie Assy. Bend	1	36	5	Hex Screw	1	73	26	Hose ((Steering Circ	11	2	H11
H.P.Pie Complete Se	1	36	*1	Hex Screw	1	73	27	Hose ((Steering Circ	11	2	H12
Half Drum	13	12	3	Hex Screw	10	2	32	Hose (Brake Releas	11	23	63
Half Drum Plate	13	12	4	Hex Screw	10	2	52	Hose (Case Drain)	11	23	64
Hammer Head Drive	8	2	27	Hex Screw	10	2	54	Hose (D C Valve To	11	2	H15
Hammer Head Drive	8	4	8	Hex Screw	10	2	62	Hose (Derrick)	11	2	H7
Hard Washer	1	2	3	Hex Screw	5	1	2	Hose (Drain Line/Wi	11	2	H6
Hard Washer	1	42	17	Hex Screw	1	70	4	Hose (For Turbo Dr	1	62	10
Head Less Pipe Plug	1	41	6	Hex Screw	4	1	7	Hose (For Turbo Dr	1	68	*61
Header	1	41	3	Hex Screw	1	70	7	Hose (Hoist)	11	2	H8
Header Sub Assy.(L.	1	41	*2	Hex Screw	9	1	30	Hose (Outrigger Cyli	11	2	H19
Headless Pipe Plug	1	61	14	Hex Screw 3/8"x1" Lo	10	2	35	Hose (Outrigger/Tar	11	2	H17
Heat Shield	1	4	10	Hex Screw M6X1	8	5	11	Hose (Service Brake	11	2	H18
Heat Sink, Anodised	13	16	22	Hex Screws	7	2	15*	Hose (Stability Circu	11	2	H14
Heat Sink, Anodized	13	15	8	Hex Socket Head cap	8	3	13	Hose (Stability Cylin	11	2	H16
Hex Bolt	10	5	4	Hex Socket Set Screv	8	3	3	Hose (SteeringPump	11	2	H3
Hex Bolt	1	73	5	Hex Spacer	13	12	14	Hose (Tank Line)	11	2	H10
Hex Bolt	11	24	5	Hexagon Bolt	4	3	1	Hose (Telescopic Ci	11	2	H9
Hex Bolt	1	71	6	Hexagon Bolt	5	3	1	Hose Adaptor	8	1	4
Hex Bolt	3	1	9	Hexagon Head Screw	8	4	11	Hose Adaptor	8	1	11
Hex Bolt	1	71	10	Hexagon Screw	2	1	3	Hose Adaptor	8	1	19
Hex Bolt	3	1	12	Hexagon Screw	2	4	3	Hose Clip (S.S.60 D	1	6	3
Hex Bolt	1	73	13	Hexagon Screw	2	4	4	Hose Clip (S.S.60 D	1	4	9
Hex Bolt	3	1	16	Hexagon Screw	2	4	13	Hose Radiator Botto	1	72	13
Hex Bolt	1	73	19	Hexagon Screw	2	14	13	Hose Radiator Botto	1	72	15
Hex Bolt	3	1	20	Hexagon Screw	2	14	14	Hose Radiator Top	1	72	11
Hex Bolt	3	1	21	Hexagon Screw	2	14	15	Hose Tail	1	59	1
Hex Bolt	4	1	21	Hexagon Screw	2	15	17	Hose(Main Pump/F	11	2	H2
Hex Bolt	10	2	38	Hexagon Screw	2	15	35	Housing	4	2	3
Hex Bolt	10	2	57	Hexagon Screw	2	15	36	Housing	5	2	3
Hex head Screw	8	3	11	Hexagon Screw	2	15	48	Housing	7	2	5
Hex Head Screw	8	3	19	Hexagon Screw	2	14		Housing	11	12	12
Hex Nut	1	72	5	Hexagon Screw	2	4		Housing Assy. (8 M	1	19	2
Hex Nut	1	70	5	Hexagon Screw	2	15		Housing Brake	11	13	9
Hex Nut	1	72	7	Hexagon Screw	2	14		Housing I	2	4	1
Hex Nut	1	73	8	Hexagon Screw	2	15		Housing II	2	4	2
Hex Nut	1	71	9	Hexagon Screw	2	15		Housing Spool & Sle	6	2	2
Hex Nut	9	3	13	Hexagon Screw	2	15		HP Filter	11	1	9
Hex Nut	1	71	13	Hexagon Screw	2	14		Hub	11	12	20
Hex NUt	1	73	15	Hexagon Screw (10x	2	1		Hub	11	4	32
Hex Nut	3	1	15	Hexagon Screw (10x	2	4		Hub For Fuel Pump	1	34	2
Hex Nut	3	1	22	Hexagon Screw (10x	2	4		Hub For Pump Pulle	1	66	14
Hex Nut	1	73	29	Hexagonal Socket He	1	25	4	Hub Reduction - 21	4	4	
Hex Nut	9	1	31	High Pressure Pipe	1	36		Hub Reduction - 21	4	4	
Hex Nut	10	2	42	Hollow Dowel (16 Dia	1	28	2	Hub Reduction - 21	5	4	

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Hub Reduction - 213-	5	4		Intermediate Cover	4	2	1	Joint For Flange	1	4	7
Hyd Oil Tank FAB.	9	3	1	Intermediate Cover	5	2	1	Joint For Flange /Fu	1	68	*7
Hyd. Accumulator (EF	11	1	13	Intermediate Cover	4	5	1	Joint For Front Cove	1	296	2
Hyd. Joy Stick	11	1	16	Intermediate Cover	5	5	1	Joint For Front Cove	1	68	*10
Hyd. Motor (Winch)	11	1	10	Intermediate Enigne I	1	73	4	Joint For Fuel Pump	1	32	2
Hyd. Oil Tank Assy. -	9	3		Intermediate Gear	1	42	19	Joint For Fuel Pump	1	68	*6
Hyd. Pump Assy.	11	4		Intermediate Gear	1	38	2	Joint For Header	1	41	15
Hyd. Tank Bracket	9	1	22	Intermediate Gear an	1	38		Joint For Header	1	68	*8
Hyd. Winch	10	1	13	Intermediate Gear Su	1	38	4	Joint For Lub Oil Co	1	41	13
Hydraulic Pump Steel	1	73	20	Internal Circlip	8	3	2	Joint For Lub Oil Co	1	68	*9
Hylum Spacer	13	12	41	Internal Circlip	8	2	39	Joint For Lub Oil Dr	1	62	4
IC	13	4	8	Internal Rubber Lip S	1	41	7	Joint For Lub Oil Dr	1	68	*25
Ic, Logic, Cmos	13	7	27	Internal Rubber Lip S	1	296	13	Joint For Oil Seal Hc	1	53	3
Ic, Logic, Cmos	13	7	28	Jib Cyl. Dowel	10	2	8	Joint For Oil Seal Hc	1	68	*3
Ic, Logic, Cmos	13	7	29	Jib Cyl. Lug	10	2	7	Joint For Thermosta	1	61	4
Ic, Op Amp	13	7	26	Jib Extension Cylinde	11	8		Joint For Thermosta	1	68	*15
Ic, Op Amp	13	9	26	Jib Extension Fab.	10	5	1	Joint For W.I. Conn	1	61	16
Ic, V Regulator	13	16	13	Jib Extn Cyl.	10	2	6	Joint For W.I. Conn	1	68	*23
Ic, V Regulator	13	9	25	Jib Head Assembly -	10	5		Joint For W.O. Mani	1	61	22
Ic,V Regulator	13	7	25	Jib Head Assy.	10	2	3	Joint For W.O.Manif	1	68	*20
Ignition Switch	12	5	34	Joint	1	35	2	Joint ForOil Filling B	1	52	2
Impeller(95 Dia)	1	66	19	joint	1	5	2	Joint Oil Filling Body	1	68	*12
in Steel Forging	1	8		Joint	4	4	21	Jublie Clamp 3"	1	72	14
Indicating Lamp (AME	12	2	4	Joint	5	4	21	K26 2264 GGA 8.11	1	63	
Indicating Lamp (BLU	12	2	5	Joint	3	2	90	Keep Plate	13	1	14
Indicating Lamp (REC	12	2	3	Joint	1	68	*21	Key Ring	13	1	41
Inductor	13	16	14	Joint	8	3	16 *	Kin Ring	6	2	6 *
Inductor	13	9	27	Joint (For Gear Cover	1	68	*2	Kit	8	3	*
Inductor	13	9	28	Joint (For Rocker Cov	1	57	11	Kit	8	4	*
Inductor	13	7	30	Joint (For Rocker Cov	1	68	*18	Kit Commando	11	5	14
Inductor	13	7	31	Joint For Adaptor	1	57	7	Kit Repair	8	5	*
Injector & Mounting C	1	37		Joint For Adaptor	1	68	*27	Kit VR25	11	5	13
Injector Yoke	1	37	3	Joint For Adaptor (Cr	1	62	8	Knob	13	10	7
Inlet & Exhaust Valve	1	15	*18	Joint For Adaptor (Cr	1	68	*26	Knob For Handle	1	32	10
Inlet Valve	1	15	19	Joint For Adaptor Pla	1	49	3	Kolok Washer 5/16 I	3	2	12
Inline Check Valve	11	1	20	Joint For Adaptor Pla	1	68	*13	kolok Washer 6MM	3	2	93
Inner Brake Race	11	22	50	Joint For Adaptor(Tur	1	68	*24	L.O. Supply Hose (F	1	68	*58
Inner Rotor	1	42	5	Joint For Bearing Hol	1	66	21	L.O.Cooler & Heade	1	41	*1
Inner Spacer -26.5x2I	1	66	11	Joint For Bearing Hol	1	66	22	L.O.Supply Hose	1	45	1
Input	2	3		Joint For Bearing Hol	1	68	*14	L.O.Supply Hose	1	32	3
Input Cover	11	5	4	Joint For Blanking Pl	1	68	*16	Label	13	6	8
Input Shaft	2	3	4	Joint For BlankingPla	1	14	22	Label	13	8	8
Input Shaft	3	2	27	Joint For Cover For F	1	11	3	Label	13	6	9
Input Shaft Cover Re	3	2	52	Joint For Cover For F	1	296	16	Label	13	8	9
Instrument Drive Hou	3	2	91	Joint For Cover For F	1	68	*5	Label	13	10	11
Interm. Sheet	2	14	10	Joint For Cover Plate	1	296	22	Label	13	10	12
Interm.Sheet	2	14	7	Joint For Cover Plate	1	68	*11	Label	13	15	17
Intermediate Bkt.	1	73	17	Joint For Delivery Boc	1	17	5	Label	13	15	18
Intermediate Brake D	4	5	10	Joint For Delivery Boc	1	68	*4	Label	13	15	19
Intermediate Brake D	5	5	10	Joint For Delivery Vol	1	66	20	Label	13	12	28
Intermediate Brake D	4	5	16	Joint For Delivery Vol	1	66	26	Label	13	12	29
Intermediate Brake D	5	5	16	Joint For Delivery Vol	1	68	*19	Label	13	7	38
Intermediate Brake D	4	5	18	Joint For Exh. Diffuse	1	24	7	Label	13	1	42
Intermediate Brake D	5	5	18	Joint For Exh.Diffuser	1	68	*28	Label	13	12	55

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Ladder Assy.	9	1	11	Lub Oil Cooler & Spin	1	41		Motor Group	11	23	
Lamp Connector	12	5	11	Lub Oil Drain Pipe (K-	1	62	3	Motor Adaptor S5C,	11	14	
Large End Bearing (T	1	54	18	Lub Oil Drain Pipe As	1	62	*1	Motor Support	11	23	32
Large Ermd Bearing (I	1	54	19	Lub Oil Pump	1	42		Mounting	1	68	
Latch	9	1	28	Lub Oil Pump Driving	1	42	11	Mounting For Gear I	1	49	
Layshaft	3	2	53	Lub Oil Sump	1	43		Mounting Strap For ,	1	19	4
Lead Seal	1	31	1	Lub Oil Sump Assy.	1	43	*1	Mov	13	16	11
Lead Seal	1	32	8	Lub Oil Sump Assy.	1	43	*2	Mtg Bracket	13	1	28
Leak Off Pipe For Shi	1	39		Lub Oil Supply For Tt	1	44		Mtg. Boss	13	6	2
Leak Off Pipe Sub As	1	39	1	Lub Oil Supply Pipe F	1	44	3	Mtg. Boss	13	8	4
Lifting Hook	1	40	1	Lub Oil Supply Pipe F	1	44	4	Mtg. Boss	13	15	5
Lifting Hook	1	40	2	Lub Oil Supply To Co	1	45		Mtg. Boss	13	3	8
Lifting Hook	1	40		Lub. Oil Pump Assy.	1	42	*1	Mtg. Bracket	13	12	7
Limit Switch SPDT, 5,	12	5	36	M.B. Cap (FEW) 16.9	1	14	9	Mtg. For Raditor Far	1	51	
Lin. Clutch Disc	2	5	8	M.B. Cap (KHD) 16.9	1	14	10	Mtg. Pad	13	12	11
Lin. Clutch Disc	2	6	8	Magnet , Round Bar	13	3	24	Mtg. Plate Enclosure	13	8	3
Lin. Clutch Disc	2	7	8	Magnetic Drain Plug	3	2	3	Mtg. Plate Enclosure	13	6	15
Lin. Clutch Disc	2	8	8	Magnetic Drain Plug	9	3	18	Mtg. Plate Heat Sink	13	15	4
Lin. Clutch Disc	2	9	8	Magnetic Plug	4	2	6	Mtg. Plate Pcb	13	8	2
Lin. Clutch Disc	2	10	8	Magnetic Plug	5	2	6	Mtg. Plate Pcb	13	6	7
Lin. Clutch Disc	2	12	14.15	Main Bearing HA	1	69	*2	Mtg. Strip	13	15	2
List Of Fittings - 28-A-	11	3		Main Bearing HA	1	69	*3	Mtg.Block Flex Strip	13	1	31
List Of Hoses - 28-A-	11	2		Main Bearing HA	1	69	*4	Mtg.For Alternator	1	50	
List Of Hyd. Aggregat	11	1		Main Bearing HA	1	69	*5	Mth.Plate Main	13	15	3
Load Cell	13	2	4	Main Bearing HA	1	69	*6	Mud Flap	9	1	15
Load Cell Assy.-161-(	13	2		Main Bearing HA	1	69	*7	Mud Flap Bolting Str	9	1	16
Load/Dir. Amplifier 16	13	6		Main Bearing HA STL	1	69	*1	Name Plate	8	4	9
Loading Sheave	13	1	2	Main boom Assy.	10	2	1	Name Plate	6	2	22
Locatin Bolt	1	50	10	Main Boom Assy. (28	10	3		Name Plate	8	2	28
Locating Bolt	1	50	5	Main Boom Fab.	10	3	1	Needle Roller Bearir	3	2	74
Locating Pin	1	54	14	Main Control Valve	11	1	1	Nilos Ring	11	9	11
Lock Nut	10	2	33	Main Dash Board Ass	12	1	8	Non Return Valve	8	2	9 x
Lock Nut	8	2	40	MAIN DASHBOARD I	12	2		Not Serviced Separ	11	18	
Lock Nut	10	2	43	Main Plate	13	12	12	Nozzle Body	1	14	41
Lock Nut	10	2	63	Main Vrg. Top & Bott	1	14	29	NSS :-	11	18	
Lock Shaft	13	1	29	Manifold	11	25	5	Nut	11	5	1
Lock Shaft	13	1	30	Manifold	11	8	6	Nut	8	2	1
Lock Washer	3	2	36	Manifold Block PSC -	11	28	2	Nut	10	6	4
Lock Washer	11	23	41	Manifold Block PSC-3	11	26	5	Nut	4	4	5
Locking Plate	4	3	2	Manifold Block PSC-3	11	26	4	Nut	5	4	5
Locking Plate	5	3	2	Marker Lamp	12	4	31	Nut	1	35	5
Locking Plate	10	1	23	MCB 32 AMP	12	4	26	Nut	7	1	8
Locking Plate	10	1	24	MCB Housing (Single	12	4	15	Nut	5	1	9
Locking Plate	4	4	37	Mechanical Seal	1	66	16	Nut	1	36	10
Locking Plate	5	4	37	Metal Pipe	8	1	14	Nut	1	48	11
Locking Strip	10	1	2	Mico Copper Washer	1	39	3	Nut	11	9	12
Locking Washer	2	15	10	Mico Copper Washer	1	68	*31	Nut	4	5	14
Lockwasher	11	17	41	Micro Switch	12	1	6	Nut	5	5	14
Lockwasher	11	20	41	Middle Cover (LH)	9	1	5	Nut	4	3	22
Lockwasher () 04 D	11	16	97	Middle Cover (RH)	9	1	39	Nut	5	3	22
Low Pressure Switch	8	1	26	Modified	1	58		Nut	4	4	25
LOWER ELECTRICAL	12	4	01	Motor Adaptor	11	14	1	Nut	5	4	25
Lub Oil Cooler	1	41	12	Motor Adaptor	11	14	7	Nut	4	4	36

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Nut	5	4	36	O Ring	5	2	2	Oil Flanger	3	2	67
Nut	11	12	1	O Ring	4	5	8	Oil Level Plug	11	13	7
Nut	9	1	7	O Ring	5	5	8	Oil Metering Screw	1	65	19
Nut	4	1	13	O Ring	11	6	9	Oil Seal	1	35	9
Nut	11	12	17	O Ring	11	6	11	Oil Seal	1	66	15
Nut	11	12	18	O Ring	11	13	11	Oil Seal	3	2	47
Nut - M101.5 -Gr.8	1	49	8	O Ring	11	13	12	Oil Seal (115x140x	1	53	6
Nut ,Hex	13	15	24	O Ring	11	10	12	Oil Seal (Viton)	3	2	82
Nut 3/8 In Unf	3	2	21	O Ring	4	5	19	Oil Seal Housing	1	53	
Nut 5/16 Unf	3	2	9	O Ring	5	5	19	Oil Seal Housing , Ir	3	2	46
Nut For Rocker Adj. S	1	65	18	O Ring	11	13	19	Oil Seal Housing, Or	3	2	61
Nut Hex	10	3	5	O Ring	4	4	20	Oil Seal Hsg. (F.W.E	1	53	2
Nut Hex	10	4	5	O Ring	5	4	20	Oil Seal Ring	3	2	83
Nut Hex	4	1	26	O Ring	4	3	21	Oil Spray Nozzle As	1	14	40
Nut -M10x 1.5 -Gr.8	1	50	7	O Ring	5	3	21	Oil Sump	1	43	3
Nut -M10x 1.5 -Gr.8	1	50	13	O Ring	4	4	33	Oil Cooler FAB.	1	70	2
Nut -M10x1.5 - GR .8	1	15	30	O Ring	5	4	33	Oilite Bush	13	3	21
Nut M10x1.5- Gr.8	1	47	4	O Ring	11	3	34	Oilite Bush	10	2	25
Nut -M10x1.5- GR.8	1	6	8	O Ring	7	2	2*	Orifice	2	14	5
Nut -M10x1.5 -GR.8	1	9	8	O Ring	8	3	7 *	Orifice	11	27	9
Nut M22x 1.5, M15-L,	1	10	5	O Ring	11	25	C	Orifice	11	27	10
Nut M6 x 1.00	3	2	94	O Ring	11	8	c	Orifice	2	15	18
Nut -M6x1 -Gr.8	1	60	8	O Ring	11	25	H	Orifice	2	14	
Nut -M8 x1.25- Gr.88	1	66	25	O Ring	11	8	h	Orifice	2	15	
Nut M8x1.25 Gr.8	1	51	4	"O" Ring	2	4	16	Outer Brake Race	11	22	49
Nut -M8x1.25 -GR.8	1	24	10	"O" Ring	9	3	16	Outer Rotor	1	42	7
Nut Nylock	4	1	24	"O" Ring	1	72	17	Outlet Cover	11	5	10
Nut, Hex	13	14	6	"O" Ring	2	4	18	Output	2	13	
Nut, Hex	13	10	17	"O" Ring	6	2	13 *	Output Flange	2	13	2
Nut, Hex	13	12	49	"O" Ring	6	2	5 *	Output Planet Carrie	11	19	16
Nut, Hex	13	12	51	"O" Ring	2	4		Output Planet Gear	11	19	17
Nut, Hex	13	12	68	O Ring	11	12	11	Output Planet Gear	11	19	18
Nut, Hex	13	1	49	"O" Ring	6	2	16 *	Output Shaft	2	12	1
Nut, Hex	13	1	50	O Ring	11	4	19	Output Shaft Front	3	2	68
Nut, Hex	13	1	52	O Ring (Gland)	7	3	6 *	Output Shaft Rar	3	2	75
Nut,Hex	13	1	51	O Ring (Gland)	11	7	7 *	Output Sun Gear	11	19	34
Nut-M8x1.25 -Gr.8	1	4	14	O Ring (Piston)	7	3	7 *	Output Thrust Plate	11	19	38
Nylock Nut	10	5	6	O Ring (Piston)	11	7	8 *	Output Version 7061	11	9	
Nylock Nut	3	1	11	O Ring Seal	11	5	5	Outtrigger Valve Bloc	11	1	2
Nylock Nut	8	2	18	O Ring Seal	11	5	6	OUTRIGGER VALV	11	26	
Nylock Nut	3	1	23	O Ring Seal	11	5	8	Over Centre Valve	11	1	6
Nylon Cable Gland	13	12	23	O Ring Seal	11	5	9	Overcenter Valve	11	8	8
Nylon P Clips	13	12	24	O Ring Seal	11	4	18	Overcenter Valve	11	7	19
Nylon P Clips	13	1	38	O. Clutch Disc	2	5	9	P..O.CHECK VALVE	11	25	8
Nylon Pad	10	2	46	O. Clutch Disc	2	6	9	P.B. PCB Mtg. 5.08	12	5	13
Nylon Spiral Wrap	13	13	9	O. Clutch Disc	2	7	9	Pad Holder	10	2	44
Nylon Spiral Wrap	13	12	39	O. Clutch Disc	2	8	9	Pad Holder	10	2	60
O Ring	11	11	1	O. Clutch Disc	2	9	9	Pad Holder	10	2	61
O Ring	11	14	2	O. Clutch Disc	2	10	9	Pad, Mtg. Bkt.	13	1	35
O Ring	11	10	2	O. Clutch Disc	2	12	14.14	Parker Ring	11	4	22
O Ring	4	6	2	Oil Control Ring (10-£	1	54	10	Parts Common To C	11	15	
O Ring	5	6	2	Oil Filling Body PTL	1	52	1	PCB	13	4	14
O Ring	4	2	2	Oil Filling Body PTL	1	52		Pcb	13	9	1

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Pcb Assy.	13	6	1	Piston	2	15	20	Plain Machined Was	1	49	7
Pcb Assy.	13	8	1	Piston	2	15	22	Plain Machined was	1	50	9
Pcb Assy.	13	15	1	Piston	2	15	39	Plain Machined Was	1	10	12
Pcb Assy.	13	10	1	Piston	7	3	3	Plain Machined Was	1	4	17
PCB Assy.	13	7	1	Piston	2	15	4	Plain Machined Was	1	296	4
Pcb Assy.	13	16	1	Piston	2	15	6	Plain Machined Was	1	1	3
Pcb Assy.	13	10	2	Piston	11	25	3	Plain Machined Was	1	60	7
PCB Assy. 161-009-0	13	7		Piston & Connecting I	1	54		Plain Machined Was	1	28	8
PCB Assy. 161-019-0	13	9		Piston (Turbochargec	1	54	4	Plain Machined Was	1	4	12
Pcb Assy. 161-045-0	13	16		Piston And Conrod A	1	54	*1	Plain Machined Was	1	48	13
PCD C Pulley & 90 P	1	21		Piston Assy. Complet	1	54	*2	Plain Machined Was	1	4	15
PCD C Pulley & 90 P	1	21		Piston Pin	1	54	5	Plain Machined Was	1	50	11
Pedal Brake Valve (C	7	1	1	Piston Ring	2	7	2	Plain Machined Was	1	17	4
Pedal Brake Valve - F	7	1		Piston Ring	2	12	9	Plain Machined Was	1	52	4
Pedal Moudulating Va	11	1	12	Piston Ring	2	3	9	Plain Machined Was	1	5	5
Perfoarted Disc	1	52	5	Piston Ring	2	12	14.4	Plain Machined Was	1	53	5
Peripherals	2	18		Piston Ring	2	5	16	Plain Machined Was	1	62	6
Pilot Lamp LH/RH Gr	12	2	2	Piston Ring	2	6	16	Plain Machined Was	1	11	6
Pilot Orifice	11	18	9	Piston Ring	2	8	16	Plain Machined Was	1	61	6
Pin	7	1	2	Piston Ring	2	7	17	Plain Machined Was	1	25	7
Pin	10	5	3	Piston Ring	2	9	17	Plain Machined Was	1	24	9
Pin	11	24	3	Piston Ring	2	10	17	Plain Machined Was	1	57	10
Pin	7	1	5	Piston Ring	2	7	18	Plain Machined Was	1	60	10
Pin	1	8	5	Piston Ring Set ()105	1	54	*7	Plain Machined Was	1	28	11
Pin	4	3	7	Piston Rod	7	3	2	Plain Machined Was	1	6	14
Pin	5	3	7	Piston Rod Assy.	11	7	2	Plain Machined Was	1	61	18
Pin	3	1	8	Piston Rod Sub Assy.	11	25	2	Plain Machined Was	1	50	6
Pin	1	52	9	Piston Rod Sub Assy.	11	8	2	Plain Washer	9	1	8
Pin	4	1	10	Piston Seal	7	3	11 *	Plain Washer	1	71	11
Pin	8	1	22	Piston Seal	11	7	11 *	Plain Washer	1	72	4
Pin Fabrication	10	5	14	Piston Seal	11	25	A	Plain Washer	10	5	5
Pinch Bolt (Spl. Bolt)	3	2	37	Piston Seal	11	8	a	Plain Washer	1	73	6
Pin-Control Lever To	3	2		Piston Sub Assy.	11	8	3	Plain Washer	1	71	7
Pinion	10	1	25	Piston With Pin	1	54	*3	Plain Washer	3	1	10
Pipe	2	12	10	Pivot Pin	10	1	1	Plain Washer	9	2	13
Pipe	2	4	15	Pivot Pin	4	4	8	Plain Washer	3	1	14
Pipe	2	4	21	Pivot Pin	5	4	8	Planet Gear	4	4	41
Pipe	2	4	22	Pivot Pin	4	4	13	Planet Gear	5	4	41
Pipe	2	4	23	Pivot Pin	5	4	13	Planet Gear Carrier	4	4	43
Pipe Clip	1	36	6	Pivot Pin Fabriction	4	1	17	Planet Gear Carrier	5	4	43
Pipe Clip	1	36	8	PK Drive Screw 1/8"x	1	57	5	Planet Gear Carrier	4	4	44
Pipe For Nozzle	1	14	42	Plain Machined Was	1	7	4	Planet Gear Carrier	5	4	44
Pipe Radiator Bottom	1	72	12	Plain Machined Was	1	30	5	Planetary Gear grou	11	19	
Piston	2	5	2	Plain Machined Was	1	35	7	Plastic Cap For Valv	1	15	33
Piston	2	6	2	Plain Machined Was	1	41	9	Plastic Clamp	1	39	4
Piston	2	8	2	Plain Machined Was	1	42	24	Plastic Housing	13	6	3
Piston	2	9	2	Plain Machined Was	1	296	9	Plastic Housing	13	15	13
Piston	2	10	2	Plain Machined Was	1	51	3	Plastic Plug	11	5	20
Piston	11	7	3	Plain Machined Was	1	14	24	Plastic Plug	11	5	21
Piston	4	5	7	Plain Machined Was	1	66	4	Plastic Spacer	13	12	99
Piston	5	5	7	Plain Machined Was	1	40	5	Plate	9	1	38
Piston	7	2	13	Plain Machined Was	1	9	6	Plate For Fuel Filter	1	48	1
Piston	2	15	14	Plain Machined wash	1	6	7	Plate With Rubber M	1	53	1
Piston	11	13	15					Plug	4	5	3

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Plug	5	5	3	Pressure Relief Valve	11	1	7	Rear Mud Guard (RH)	9	1	3
Plug	11	18	4	Primary Element (KKI)	1	19	5	Reduct. Assy.	11	10	1
Plug	4	2	5	Primary Planet Gear	11	19	11	Reduct. Assy.	11	11	2
Plug	5	2	5	Primary Planet Gear	11	19	12	Reduction Bushing	4	4	16
Plug	4	7	5	Primary Planet Carrier	11	19	10	Reduction Bushing	5	4	16
Plug	11	13	6	Primary Sun Gear	11	19	35	Reduction Stage	11	11	5
Plug	4	6	7	Primary Thrust Plate	11	19	37	Reduction Stage	11	10	5
Plug	5	6	7	Profile Plate LH	10	2	15	Reduction Stage 300	11	11	
Plug	4	2	7	Profile Plate RH	10	2	14	Reduction Stage 300	11	10	
Plug	5	2	7	Prop Cyl. Pin	11	24	2	Reeving Dial	13	1	20
Plug	4	2	10	Prop Cylinder	11	24	1	Relay	13	16	12
Plug	5	2	10	Prop Cylinder Installation	11	24		Relay 24V	12	5	1
Plug	4	2	12	Prop Cylinder V12.06	11	25		Relay Flasher Panel	12	5	2
Plug	5	2	12	Prop Shaft	4	1	20	Relay Module, 1 C/K	12	4	1
Plug	11	5	15	Prop. Shaft	3	1	4	Relief Valve	1	42	12
Plug	11	5	18	Prop. Shaft	3	1	5	Relief Valve RV3-10	11	26	3
Plug	11	5	19	Propeller Shaft (Stg. I)	1	73	24	Repair Kit	7	1	*
Plug	2	15	25	PROTECTION VALVE	8	3		Reservoir - 25 LTRS	8	1	25
Plug	4	4	46	Proximity Switch 24V	12	5	31	Reservoir - 50 LTRS	8	1	7
Plug	5	4	46	PSU/Termination Unit	13	15		Resistor, Mf	13	9	2
Plug	2	11		Pulley	10	5	2	Resistor, Mf	13	16	2
Plug	3	2		Pulley	10	6	5	Resistor, Mf	13	9	3
Plug (M14x1.5)	1	9	2	Pulley For Alternator	1	50	1	Resistor, Mf	13	16	3
Plug (M14x1.5)	1	61	7	Pulley Pin	10	6	8	Resistor, Mf	13	9	4
Plug (M14x1.5)	1	14	36	Pump	2	16	1	Resistor, Mf	13	9	5
Plug (Standard Winch)	11	15	44	Pump (Single Coil) W	1	58		Resistor, Mf	13	9	6
Plug, Drain	11	21	45	Push Rod (Welded)	1	55	1	Resistor, Mf	13	9	7
Plug, Vent	11	15	46	Push Switch Green W	12	5	33	Resistor, Mf	13	9	8
Plug For Dipstick Hole	1	14	48	Push Switch Red Witl	12	5	32	Resistor, Mf	13	9	9
Plug For Oil Gallery	1	41	5	Pushrod & Tappets	1	55		Resistor, Mf	13	9	10
Plug For Oil Gallery	1	14	26	PVC Insulated Wire C	12	4	20	Resistor, Mf	13	9	11
Plunger	8	2	33	PVC Insulated Wire C	12	5	24	Resistor, Mf	13	9	12
Pneumatic circuit - 28	8	1		PVC Insulated Wire C	12	4	21	Resistor, Mf	13	9	13
Pol' Mide Cable Gland	13	6	5	PVC Insulated Wire C	12	5	25	Resistor, Mf	13	9	14
Pol' Mide Lock Nut	13	6	6	PVC Insulated Wire C	12	4	22	Resistor, Mf	13	9	15
Pol' Mide Lock Nut	13	8	6	PVC Insulated Wire C	12	5	26	Resistor, Mf	13	9	16
Pol' Mide Lock Nut	13	15	12	Quick Action Stop Va	11	1	8	Resistor, Mf	13	7	2
Pol' Mide Lock Nut	13	15	16	Radiator + Oil Cooler	1	70		Resistor, Mf	13	7	3
Pol' Mide Cable Gland	13	8	5	Radiator + Oil Cooler	1	72	1	Resistor, Mf	13	7	4
Pol' Mide Cable Gland	13	15	11	Radiator FAB.	1	70	1	Resistor, Mf	13	7	5
Pol' Mide Cable Gland	13	15	15	Radiator Fan	1	56		Resistor, Mf	13	7	6
Pot Holder Arm	13	13	1	Radiator Fan 494 Dia	1	56	1	Resistor, Mf	13	7	7
Potentiometer	13	13	4	Radiator Installation 2	1	72		Resistor, Mf	13	7	8
Potentiometer Assy.	13	11	2	Radiator Stay	1	72	9	Resistor, Mf	13	7	9
Potentiometer Assy. 1	13	13		Rail MTG. Foot For P	12	4	10	Resistor, Mf	13	7	10
Potted PCB Assy.	13	3	2	Rail Mtg. Foot For PC	12	5	12	Resistor, Mf	13	7	11
Potted PCB Assy. 16	13	4		Ram	8	3	8	Resistor, Mf	13	7	12
Power Brake Valve	7	2		Ram	8	3	21	Resistor, Mf	13	7	13
Power Unit Assy. Cor	1	73		Range Selector	2	18	1	Restriction Indicator	1	19	8
Press Oil Pump	2	16		Raw Edged Cogged E	1	64	1	Retainer Assy.	7	2	8
Pressure Gauge	12	3	4	Rear Axle Assy.	5	1	1	Retaining Clamp	2	15	34
Pressure Plate	11	20	3	Rear Axle Installation	5	1		Retaining Clamp	2	15	45
Pressure Reducing V	11	1	11	Rear Mud Guard (LH)	9	1	4	Retaining Plate	1	38	5

DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.	DESCRIPTION	GP	FIG	S.NO.
Retaining Ring	2	12	5	Roller Bearing	2	9	7	Screen Sheet	2	12	15
Retaining Ring	2	5	7	Roller Bearing	2	10	7	Screw Plug	2	15	
Retaining Ring	2	6	7	Roller Bearing	2	12	8	Screw	11	10	8
Retaining Ring	2	8	7	Roller Bearing	2	7	13	Screw	11	10	9
Retaining ring	2	3	8	Roller Bearing	2	9	13	Screw	11	10	10
Retaining Ring	2	7	14	Roller Bearing	2	10	13	Screw	11	4	11
Retaining Ring	2	9	14	Roller Bearing	2	5	14	Screw	11	10	11
Retaining Ring	2	10	14	Roller Bearing	2	6	14	Screw	11	4	12
Retaining Ring	2	12	14.12	Roller Bearing	2	8	14	Screw	11	4	13
Retaining Ring	11	15	30	Roller Bearing	2	5	15	Screw	8	2	22
Retaining Ring	11	22	53	Roller Bearing	2	6	15	Screw	11	9	1
Retaining Ring	11	22	55	Roller Bearing	2	7	15	Screw	11	12	2
Retract Chain	10	2	4	Roller Bearing	2	8	15	Screw	11	9	4
Retract Roller Shaft	10	2	30	Roller Bearing	2	9	15	Screw	11	12	13
Retraction Chain Bloc	10	2	48	Roller Bearing	2	10	15	Screw	11	12	13
Reversing Gear - KR	2	10		Roller Bearing	10	5	16	Screw	11	12	13
Reversing Gear - KV	2	9		Roller Bearing	2	7	16	Screw	11	12	13
Right Angle	11	12		Roller Bearing	2	9	16	Screw	11	12	13
Right Angle Adaptor f	1	10	4	Roller Bearing	2	10	16	Screw	11	12	14
Rim	4	1	3	Roller Bearing	2	12	17	Screw	11	14	
Rim	5	1	4	Roller Bearing	3	2	26	Screw	11	14	
Ring	6	2	8	Roller Bearing	3	2	43	Screw	11	14	
Ring	1	15		Roller Brg.	3	2	54	Screw	11	14	
Ring	11	4	25	Roller Brg.	3	2	79	Screw	11	14	
Ring Gear	4	4	39	Roller Cage	2	5	12	Screw	11	14	
Ring Gear	5	4	39	Roller Cage	2	6	12	Screw	11	14	
Ring Gear Support	4	4	38	Roller Cage	2	8	12	Screw	11	14	
Ring Gear Support	5	4	38	Rollpin (Output Plane	11	19	15	Screw	11	14	
Ring Nut	4	3	3	Rollpin (Primary Plan	11	19	15	Screw	11	14	
Ring Nut	5	3	3	Rope Guard	10	5	12	Screw	11	14	
Ring Type Markers D	12	4	16	Rope Retaining Pin	10	6	11	Screw	11	14	
Ring Type Markers D	12	5	20	Rotary Distributor	10	1	19	Screw	11	14	
Rivet - Change Whee	3	2	89	Rotary Distributor	11	6		Screw	11	14	
Rocker Arm	1	65	14	Rotor Assy.	1	42	*3	Screw	11	14	
Rocker -ARM Adj. Sc	1	65	17	Rubber Bush For Cap	1	52	12	Screw	11	14	
Rocker Arm Sub Assy	1	65	*13	Rubber Cap	1	28	14	Screw	11	14	
Rocker Cover (Turbo	1	57	2	Rubber Edging Strip	13	12	30	Screw	11	14	
Rocker Cover (Turbo	1	57		Rubber Grommet	13	12	21	Screw	11	14	
Rocker Shaft (Finish)	1	65	3	Rubber Hose	1	68	*62	Screw	11	14	
Rocker Shaft Sub. As	1	65	*2	Rubber Hose (Compr	1	4	8	Screw	6	2	21
Rocker Support (Finir	1	65	10	Rubber Hose (Compr	1	68	*60	Screw , Hex Head	13	3	34
Rocker Support (Finis	1	65	9	Rubber Hose (For Air	1	68	*63	Screw Allen	10	2	9
Rod Seal	11	7	10 *	Rubber Hose (For Air	1	6	9	Screw Hex	10	3	4
Rod Seal	11	25	F	Rubber Pad	1	72	6	Screw Hex	10	4	4
Rod Seal	11	8	f	Rubber Sleeve	1	36	7	Screw Hex	10	3	6
Rod Wiper	7	3	10 *	Rubber Sleeve	1	48	14	Screw Hex	10	4	6
Rod Wiper	11	7	9 *	S/A Of Filler Plug Wit	3	2	4	Screw Hex	10	2	11
Rolled Pin	6	2	19	S/A Of Mtg Brkt - RH	3	2	17	Screw Hex	4	1	18
Rolled Pin	6	2	29	S/A Of Mtg. Brkt.-LH	3	2	23	Screw Plug	2	11	2
Roller	13	14	2	S/A Of Mtg. Brkt-Rear	3	2	25	Screw Plug	2	15	2
Roller	10	2	28	S/A Of Top Cover	3	2	11	Screw Plug	2	4	14
Roller	2	12	14.8	S/A Transfer Case Co	3	2	6	Screw Plug	2	14	16
Roller Bearing	10	6	6	Safety Element (KKFI	1	19	3	Screw Plug	2	14	18
Roller Bearing	2	7	7	Screen Sheet	2	12	7	Screw Plug	2	4	26

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
Screw Plug	2	15	49	Seal	5	4	28	Set Bolt	1	42	22
Screw Plug	2	4		Seal	11	21	29	Set Bolt	1	42	23
Screw Plug	2	14		Seal	4	4	40	Set Bolt	1	38	6
Screw Plug	2	15		Seal	5	4	40	Set Bolt	1	50	12
Screw Plug	2	15		Seal	8	4	5 *	Set Bolt - M8x1.25x1	1	57	9
Screw Plug	2	14		Seal	7	2	6*	Set Bolt - M8x1.25x2	1	24	8
Screw Plug	2	4		Seal	11	4	20	Set Bolt -M10x1.5x5	1	66	*1
Screw Plug (M20 x 1.	1	5	6	Seal	11	4	21	Set Bolt M10X1.5x6	1	66	2
Screw Plug (M20x1.5	1	14	16	Seal	11	4	23	Set Bolt M10x1.5x7.5	1	66	3
Screw With Bore	6	2	20	Seal HSG.)	1	53		Set Bolt -M8 x 1.25x	1	61	20
Screw, Cheese Head	13	10	15	Seal Kit	11	7	20	Set Bolt -M8x1.25 x1	1	5	3
Screw, Cheese Head	13	15	22	Seal Kit	5	6	---	Set Bolt -M8x1.25 x1	1	5	4
Screw, Cheese Head	13	15	23	SEAL KIT	11	25	-----	Set Bolt -M8x1.25x4	1	17	3
Screw, Cheese Head	13	12	54	Seal Kit	11	8	-----	Set Bolt M8x1.25x4.5	1	57	8
Screw, Cheese Head	13	12	59	Seal Kit	4	6	-	Set Bolt -M8x1.25x4	1	11	4
Screw, CSK Head	13	3	32	Seal Kit	11	6	*	Set Bolt -M8x1.25x6	1	61	17
Screw, Csk Head	13	1	60	Seal Kit (Consist A to	11	8	18	Set Bolt-M10x30 -10	1	28	3
Screw, Hammer Drive	13	5	35	Seal Kit (6 To 11)	7	3	12	Set Of "O" Rings	1	68	*48
Screw, Hex Head	13	14	5	Seal Kit (Consist of A	11	25	10	Set Of Bearings (HA	1	69	
Screw, Hex Head	13	6	10	Seal Kit Stability Cylir	4	1	*	Set Of Conrod Beari	1	69	
Screw, Hex Head	13	10	13	Seal Ring	11	9	6	Set Of Hoses	1	68	*57
Screw, Hex Head	13	10	14	Seal Ring	11	9	9	Set Of Joints	1	68	*1
Screw, Hex Head	13	15	20	Sealing Brake Kit	11	13	14	Set Of Main Bearing	1	69	
Screw, Hex Head	13	15	21	Sealing Cap	2	11	1	Set Of Seals	6	2	*
Screw, Hex Head	13	12	42	Sealing Cap	1	14	4	Set Of Springs	6	2	12
Screw, Hex Head	13	12	43	Sealing Cap	1	15	5	Set Of Thrust Wash	1	69	
Screw, Hex Head	13	1	43	Sealing Cap	2	12	19	Set Of Washers	1	68	*30
Screw, Hex Head	13	12	45	Sealing Cap	2	11		Set Screw	1	40	3
Screw, Pan Head	13	10	16	Sealing Cap (40 Din	1	14	5	Set Screw	1	296	5
Screw, Pan Head	13	1	45	Sealing Cap (40 Din	1	15	25	Set screw	1	32	11
Screw, Pan Head	13	12	63	Sealing Cap (40 Din	1	15	31	Set screw - M10x1.5	1	2	2
Screw, Soc, Cap Hea	13	2	8	Sealing Cap (52 Din	1	14	6	Set screw - M6x1x12	1	1	2
Screw, Soc, Cap Hea	13	1	46	Sealing Plug (For Wa	1	61	12	Set screw -M10x1.5:	1	4	16
Screw, Soc, Cap Hea	13	1	47	Sealing Ring	8	1	6	Set Screw -M10x1.5	1	10	11
Screw, Soc, Cap Hea	13	1	48	Sealing Ring	8	4	6 *	Set Screw -M10X1.x	1	6	6
Screw, Socket Grub	13	13	10	Sealing Ring	8	5	7 *	Set screw -M12x1. 7	1	23	2
Screw, Socket Grub	13	12	56	Sealing Ring	2	12		Set Screw -M6xix12	1	4	11
Screw, Socket Grub	13	12	57	Sealing Washer	8	5	2	Set Screw -M8 x1.25	1	14	23
Screw, Socket Grub	13	12	58	Sealing Washer	8	5	4	Set Screw -M8x1.25	1	62	13
Screw, Hammer Drive	13	3	33	Sealing Wire	1	31	2	Set Screw -M8x1.25	1	61	15
Screw, Hex Head	13	8	10	Sealing Wire	1	32	9	Set Screw -M8x1.25	1	53	4
Screw, Pan Head	13	6	11	Seat Assy.	12	1	2	Set Screw -M8x1.25	1	11	5
Screw, Pan Head	13	8	11	Selector	4	5	17	Setscrew	1	34	3
Screw, Hex Head	13	1	44	Selector	5	5	17	Setscrew	1	30	4
Screw, Pan Head	13	16	23	Sendor Unit (Elec.L.C	1	22	4	Setscrew	1	35	6
Seal	11	20	2	Sendor Unit Assy. (W	1	22	*3	Setscrew	1	296	8
Seal	4	5	6	Sensor Unit (For Elec	1	20	3	Setscrew	1	36	9
Seal	5	5	6	Serscrew -M8x1.25 x	1	6	13	Setscrew	11	7	14
Seal	4	3	18	Set Bolt	1	296	3	Setscrew	1	44	2
Seal	5	3	18	Set Bolt	1	40	4	Setscrew	1	48	2
Seal	4	4	19	Set Bolt	1	296	6	Setscrew - M6x1x12	1	60	6
Seal	5	4	19	Set Bolt	1	41	8	Setscrew -M6x125.8	1	48	12
Seal	4	4	22	Set Bolt	1	41	10	Setscrew- M6xix12 -	1	28	7
Seal	5	4	22	Set Bolt	1	35	10	Setscrew -M8 x1.25:	1	60	9
Seal	11	21	27	Set Bolt	1	35	11	Setscrew- M8 x1.25:	1	66	24

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
Setscrew- M8x1.25x25	1	52	3	Shim 0,005 Inch Thick	3	2	16	Sliding Pad	10	4	11
Setscrew- M8x 1.25x2	1	296	17	Shim Ring	2	15	3	Sliding Pad	10	5	15
Setscrew M8x1. 25x2	1	62	5	Shims	7	2	9	Sliding Pad	10	2	50
Setscrew -M8x1.25 x2	1	7	3	Shims - 0,002 In	3	2	45	Slip Ring Carrier	13	12	15
Setscrew -M8x1.25 x2	1	24	5	Shims - 0,002 In	3	2	45	Slip Ring Carrier	13	12	16
Setscrew -M8x1.25x1	1	28	10	Shims - 0,002 In	3	2	62	Slotted Pin	1	14	18
Setscrew -M8x1.25x2	1	61	19	Shims - 0,002 In	3	2	62	Slydring	11	25	B
Setscrew -M8x1.25x3	1	65	11	Shims - 0,005 In	3	2	45	Slydring	11	8	b
Shaft	13	14	3	Shims - 0,005 In	3	2	45	Slydring	11	25	G
Shaft	1	42	4	Shims - 0,005 In	3	2	62	Slydring	11	8	g
Shaft	13	1	25	Shims - 0,005 In	3	2	62	Small End Bush (S/f	1	54	15
Shaft	13	12	44	Shims - 0,010 In	3	2	45	Snap Ring	2	3	5
Shaft Drum End	13	1	26	Shims - 0,010 In	3	2	62	Snap Ring	2	3	7
Shaft For Lub Oil Pun	1	42	16	Shims - 0,010 In	3	2	62	Snap Ring	2	5	11
Shaft For Pump	1	66	9	Shims - 0,020 In	3	2	45	Snap Ring	2	6	11
Shaft Seal	2	13	1	Shims - 0,020 In	3	2	45	Snap Ring	2	7	11
Shaft Seal	2	4	11	Shims - 0,020 In	3	2	62	Snap Ring	2	8	11
Shaft Seal	2	12	18	Shims - 0,020 In	3	2	62	Snap Ring	2	9	11
Shaft Seal	11	4	24	Shipping Plug	1	28	15	Snap Ring	2	10	11
Shaft Seal	2	13		Shuttle Valve	11	1	5	Snap Ring	2	12	14.17
Shaft Seal	2	12		Side Dash Board Ass	12	1	7	Snatch Black Assy.	10	6	
Shaft Seal	2	4		Side Dash Board Ass	12	3		Snatch Block Frame	10	6	2
Sheave End Sheave	13	1	4	Side Panel Plate	12	3	1	Socket Head Bolt M	1	13	6
Sheet Metal Inclosure	12	4	14	Side Panel Plate	12	3	5	Socket Head Grub S	1	65	4
Sheetmetal Inclosure	12	5	19	Side Plate (Bearing S	11	16	91	Socket Head Screw	1	43	4
Shim	2	5	6	Side Plate (Motor Enc	11	16	92	Socket Head Screw	1	49	4
Shim	2	6	6	Side Plate LH	13	1	10	Socket Head Screw	1	41	11
Shim	2	8	6	Side Plate RH	13	1	11	Socket Head Screw	1	296	23
Shim	10	5	9	Sight Glass (-1 Optior	11	15	44	Socket, Ic	13	9	29
Shim	4	4	10	Silencer Compl. (04.4	1	71		Socket, Ic	13	7	32
Shim	5	4	10	Simmonds Nut	3	2	50	Socket, Ic	13	7	33
Shim	2	12	14.11	Single Acting Spring I	7	3		Socket, Ic	13	7	34
Shim	8	2	37	Single Sol. D.C. Valve	11	1	3	Solenoid Coil	11	27	2
Shim	4	4		Single Sol. D.C.Valve	11	28		Solenoid Operated I	8	1	28
Shim	5	4		Single Sol. D.C.Valve	11	28		Solenoid Valve	2	14	17
Shim	4	4		Single Sol. D.C.Valve	11	1	17	Solenoid Valve	2	12	20
Shim	5	4		Sintered Disc	11	13	5	Solenoid Valve	2	15	27
Shim	4	3	14	Sleeve	10	5	7	Solenoid Valve	2	15	41
Shim	5	3	14	Sleeve (For Air Clean	1	6	1	Solenoid Valve	2	14	
Shim	4	3	15	Sleeve 10mm DIA	12	4	17	Solid Thimble	10	6	14
Shim	5	3	15	Sleeve 10mm DIA	12	5	21	Spacer	11	12	5
Shim	4	3		Sleeve 16mm DIA	12	4	18	Spacer	11	12	6
Shim	5	3		Sleeve 16mm DIA	12	5	22	Spacer	11	13	2
Shim	4	3		Sleeve 25mm DIA	12	4	19	Spacer	1	70	3
Shim	5	3		Sleeve 25mm DIA	12	5	23	Spacer	10	6	7
Shim	4	3		Sleeve 5/8"	8	1	16	Spacer	11	12	8
Shim	5	3		Sleeve Bearing	11	4	28	Spacer	11	24	8
Shim	4	3		Sleeve Bearing	11	4	29	Spacer	6	2	10
Shim	5	3		Sleeve Support	11	27	13	Spacer	4	3	16
Shim	4	3		Slew Gear Box	10	1	18	Spacer	5	3	16
Shim	5	3		Slew Ring	10	1	9	Spacer	13	12	18
Shim	4	3		Slew Valve Block	11	1	4	Spacer	13	1	27
Shim	5	3		Sliding Dog Clutch	3	2	32	Spacer	11	20	36
Shim	4	3		Sliding Pad	10	4	9	Spacer	3	2	57
Shim	5	3		Sliding Pad	10	5	10	Spacer	3	2	66

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
Spacer	11	12	3	Spring	7	2	3	Spring Washer	1	73	14
Spacer	11	8	5	Spring	8	4	3	Spring Washer	3	1	17
Spacer	10	5	8	Spring	11	20	5	Spring Washer	4	1	19
Spacer	11	12	21	Spring	7	3	5	Spring Washer	1	73	28
Spacer	1	73	23	Spring	13	3	9	Spring Washer - M1	1	47	5
Spacer (For Ext. Man	1	25	3	Spring	7	2	10	Spring Washer (Onl	8	2	2
Spacer B ush	3	2		Spring	7	2	11	Spring washer -M10	1	9	7
Spacer Bush	2	16	6	Spring	7	2	12	Spring Washer -M8	1	48	3
Spacer For 24 V Start	1	47	2	Spring	4	5	12	Spur Gear	13	13	3
Spacer For Radiator I	1	51	1	Spring	5	5	12	Spur Gear	13	12	40
Spacer II I.D. X25.5 L	1	50	3	Spring	11	13	16	Spur Gear (For 2.10	3	2	38
Spacer Ring	2	15	7	Spring	13	12	31	spur Sear (For 1:1 F	3	2	29
Spacer Ring	2	12	14.6	Spring	13	12	32	Spurgear (For 2.105	3	2	56
Spacer Sleeve	2	15	24	Spring	8	2	36	Sspring For Relief V	1	42	13
Special Banjo Bolt	1	32	4	Spring	11	27	8	Stability Cylinder	4	1	9
Special Banjo Bolt	1	45	4	Spring	8	2	5	Stainless Steel Nut	1	24	3
Special Block	11	3	33	Spring	8	2	26	Stainless Steel Nut (	1	25	6
Special T Adaptor	11	3	22	Spring	8	2	35	Stand Pipe Adaptor	9	3	5
Special Union	11	3	35	Spring Anchor	13	12	8	Stainer	9	3	4
Special Washer	4	1	14	Spring Anchor Stud	13	12	9	Starter (24V)	1	47	1
Special Washer	4	1	15	Spring Dowel Pin	1	51	5	Starter Ring Ha	1	27	3
Special washer	1	6	15	Spring Dowel Pin	1	14	39	Stator Shaft	2	3	2
Special Washer	8	1	8	Spring Dowel Pin	1	14	44	Stay Rod	9	1	37
Special Washer	5	1	10	Spring Dowel Pin (Dis	10	6	13	Steel Ball	1	14	45
Special Washer	5	1	11	Spring For Rocker Sh	1	65	8	Steel bushes	11	4	34
Speed Change Fork	3	2	33	Spring Guide	8	2	25	Steel bushes	11	4	35
Speedo Cable - 2 Pie	3	2		Spring Retainer	11	18	2	Steel Plug	11	4	36
Speedo Drive Kit	3	2	91C	Spring Retainer	11	18	3	Steel Ring	11	13	4
Speedometer Housin	3	2	78	Spring Retainer	11	27	4	Steel Wire Rope (3 l	10	7	1
SPH. Bearing	11	8	7	Spring Retainer	11	27	5	Steering - 213.24.00	4	6	
Spherical Roller Bear	10	2	21	Spring Retainer	8	3	5	Steering -213.24.00l	5	6	
Spig07 Bearing	3	2	73	Spring Retainer	8	3	9 *	Steering Adjust Bolt	4	4	59
Spin On Filter For Lut	1	41	14	Spring Seat	8	4	4 *	Steering Adjust Bolt	5	4	59
Spindle	13	5	12	Spring Spacer	11	20	99	Steering Case	4	4	26
Spl. Plain M/Ced Was	1	24	6	Spring Washer	11	24	6	Steering Case	5	4	26
Splined Shaft	11	9	3	Spring Washer	4	1	8	Steering Case	4	4	27
Split Cotter Pin	1	42	15	Spring Washer	10	2	12	Steering Case	5	4	27
Split Cotter Pin - 1/16	1	52	14	Spring Washer	10	2	17	Steering Case	4	4	51
Split Pin	4	1	11	Spring Washer	4	1	22	Steering Case	5	4	51
Split Pin	8	1	21	Spring Washer	9	1	32	Steering Case	4	4	52
Split Pin	10	2	37	Spring Washer	10	2	36	Steering Case	5	4	52
Split Pin	10	2	56	Spring Washer	10	2	39	Steering Column	12	1	5
Split Pin	10	5	13	Spring Washer	5	1	3	Steering Pump	6	3	1
Split Pin (Dia4x35LG)	10	6	12	Spring Washer	1	73	7	Steering Pump - V1;	6	1	
Split Pin Dia5x 60 LG	10	6	16	Spring Washer	1	71	8	Steering Unit - PP11	6	2	
Spool	7	2	4	Spring Washer	1	72	8	Steering Wheel	12	1	4
Spool	11	18	5	Spring Washer	8	4	10	Stg. Unit	12	1	3
Spool	11	27	1	Spring Washer	8	5	10	STL Wire Rope	10	1	12
Spool A	11	27	6	Spring Washer	9	3	10	Stop Bottom Plate	11	9	2
Spool B	11	27	7	Spring Washer	1	73	10	Stop Solenoid 24V	1	58	
Spool Sleeve	11	27	15	Spring Washer	8	3	12	Stopper	13	12	17
Spool Spring	11	18	11	Spring Washer	1	71	12	Strainer	8	2	41 x
Sprag Bearing	11	22	51	Spring Washer	3	1	13	Strainer Basket	1	60	13
Sprag Clutch	11	22	54	Spring Washer	9	3	14	Stud	1	35	3

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
Stud	1	47	3	T Bolt Clamp Klipco T	1	3	2	Thrust Washer	11	19	43
Stud	1	49	6	T.B.PCB MTG. 5.08 F	12	4	11	Thrust Washer	11	22	52
Stud	13	1	23	Tail Lamp Guard	9	1	24	Thrust Washer	11	27	11
Stud	13	1	24	Tapper Roller Bearing	4	3	4	Thrust Washer (Driv	1	14	32
Stud	13	12	27	Tapper Roller Bearing	5	3	4	Thrust Washer- Driv	1	14	31
Stud	4	4	35	Tapper Roller Bearing	4	3	13	Thrust Washer For (	1	8	4
Stud	5	4	35	Tapper Roller Bearing	5	3	13	Thrust Washers Set	1	69	*15
Stud	8	3	23	Tapper Roller Bearing	4	3	17	Tie Bar (04 Drum)	11	16	95
Stud -M8 x 1.25 x 65	1	51	2	Tapper Roller Bearing	5	3	17	Tie Rod With Nut	11	5	3
Stud - M8x1.25 x20 -8	1	24	2	Tapper Roller Bearing	4	4	29	Tightening Strip	9	1	35
Stud - M8x1.25x16 -8	1	4	4	Tapper Roller Bearing	5	4	29	Timing Pointer	1	296	7
Stud 3/8 In Spl Comb	3	2	19	Tecometer Plug	1	296	18	T-Joint	11	3	23
Stud 5/16" Special Co	3	2	7	Term. BLK Rail MTD	12	4	4	T-Joint	11	3	28
Stud Bolt	11	12	15	Term. Blk Rail MTD 4	12	5	5	To 116 DIA)	1	6	5
Stud Bolt	11	12	15	Terminal Block	13	12	22	Toggle Switch	12	3	2
Stud Bolt	11	12	15	Terminal Block , 1Wa	13	9	31	Toggle Switch	12	3	3
Stud Bolt	11	12	15	Terminal Block 6 Wa	12	4	25	Toggle Switch	12	2	8
Stud Bolt	11	12	15	Terminal Block 6 Wa	12	5	30	Toothed Ring	11	11	3
Stud -M10 x15x70 -8.	1	15	26	Terminal Block, 1Wa	13	16	17	Toothed Ring	11	10	3
Stud -M10x1.5x50 -8.	1	15	27	Terminal Block, 1Wa	13	7	36	Top Cover	8	2	24
Stud M6 x 1.00	3	2	92	Tgrust Ring Pair _G.E	1	14	*33	Top Cover Sub Assy	8	3	4
Stud -M8x1.25 x20 -8	1	25	5	Thermostat Housing (:	1	61	2	Top Ring (105 Dia)	1	54	8
Stud With Sealing Ho	3	2	92	Thermostat And Hous	1	61	*1	Torque Arm Assy.	13	3	3
Sub Assy. Of Hose T:	1	59		Thermostat And Hous	1	61		Torque Arm Assy.1E	13	5	
Sub Assy. Of Rocher	1	57	*1	Thermostat Cover	1	61	5	Transfer Case	3	2	1
Sub Assy. Of Special	1	14	46	Thermostat Element	1	61	3	Transistor , Npn	13	7	23
Sub Assy.of Clamping	1	52	*7	Thimble Pin Fab.	10	6	15	Transistor, Npn	13	16	12
Sub. Assy. Of L.O.Pu	1	42	2	Thrust Bearing	4	7	2	Transistor, NPN	13	9	24
Sub. Assy.of L.O. Pur	1	42	*18	Thrust Bearing	10	6	3	Transistor, Pnp	13	7	24
Suction Hose	11	2	H1	Thrust Bushing	4	4	23	Transistor,Pnp	13	15	6
Suction Stand Pipe	11	3	7	Thrust Bushing	5	4	23	Transmission	1	73	2
Suction Tube (Turbo	1	60	11	Thrust Plate	11	4	5	Transmission Cover	9	1	20
Suction Tube (Turboc	1	60		Thrust Plate	11	4	6	Trasnszorb	13	16	10
Suction Tube Assy. (	1	60	*1	Thrust Plate	13	1	15	Trunion - 213.25.00	6	1	
Suction Tube Sub As:	1	60	*2	Thrust Ring Half (G.E	1	14	35	Tube	4	1	5
Suitable For K26 Turb	1	6	2	Thrust Ring Half (G.E	1	14	34	Tube	5	1	6
Sun Gear	11	11	4	Thrust Ring Pair -Driv	1	14	*30	Tube Assy.	11	7	1
Sun Gear	11	10	4	Thrust Washer	2	1	2	Tube Weldment	7	3	1
Supply Pipe	1	44		Thrust Washer	2	12	4	Turbine Shaft	2	3	1
Support	4	7	3	Thrust Washer	1	38	7	Turbo Charger (K26	1	63	
Support	7	7	6	Thrust Washer	13	1	12	Turbo Drain Pipe	1	62	
Support	11	27	16	Thrust Washer	13	1	13	Turbocharger Tel)	1	63	1
Support Angle	13	10	9	Thrust Washer	13	12	13	Type Plate	2	4	6
Support Bracket	13	10	8	Thrust Washer	11	19	14	Tyre	4	1	4
Support Shim	2	7	6	Thrust Washer	11	19	21	Tyre	5	1	5
Support Shim	2	9	6	Thrust Washer	3	2	28	U Clamp	1	9	4
Support Shim	2	10	6	Thrust Washer	11	19	31	UNI2737 - M6X15	11	6	4
Swievel Piece	1	50	8	Thrust Washer	3	2	40	UNI5933 - M10X30	11	6	6
Swievel Tee	11	23	67	Thrust Washer	3	2	40	Union	11	3	9
SYLD Ring	7	3	8 *	Thrust Washer	3	2	40	Union	11	3	11
SYLD Ring	7	3	9 *	Thrust Washer	3	2	40	Union	11	3	12
Syldring	11	7	5 *	Thrust Washer	3	2	40	Union	11	3	14
Syldring	11	7	6 *	Thrust Washer	3	2	40	Union	11	3	15
T Bolt Clamp Klip co	1	6	4	Thrust Washer	3	2	42	Union	11	3	16

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
Union	11	3	18	Valve Stop And Sprin	8	2	11	Washer For Fuel Pu	1	34	4
Union	11	3	20	Valve Tappet	1	55	2	Washer For Inj.	1	37	2
Union	11	3	21	Vent	4	2	8	Washer Plain	10	3	7
Union	11	3	24	Vent	5	2	8	Washer Plain	10	4	7
Union	11	3	26	Vertical Marking Card	12	4	8	Washer Plain	9	1	19
Union	11	3	29	Vertical Marking Card	12	5	9	Washer Spring	10	1	4
Union	11	3	30	V-Ring	2	12	14.7	Washer Spring	1	70	6
Union	11	3	32	W.P.Assy.Without De	1	66	*6	Washer Spring	10	3	8
Union	11	3	36	Waher, Spring	13	12	66	Washer Spring	10	1	16
Union Body	8	5	1	Washer	11	5	2	Washer Spring	10	2	53
Union Body	8	5	5	Washer	3	2	2	Washer Spring	10	2	55
Union Nut	1	60	3	Washer	1	23	3	Washer Spring,M12	10	6	10
Union Nut 5/8"	8	1	15	Washer	1	28	4	Washer, Plain	13	14	7
Union Screw	2	12	11	Washer	1	13	5	Washer, Plain	13	6	12
Union Screw	2	12		Washer	1	43	5	Washer, Plain	13	8	12
Unloader Plunger	8	2	15	Washer	1	43	5	Washer, Plain	13	6	13
Unloader Plunger Ass	8	2		Washer	1	52	10	Washer, Plain	13	8	13
Unloader Valve	8	1	1	Washer	2	15	13	Washer, Plain	13	10	18
Unloader Valve With	8	2	—	Washer	13	12	19	Washer, Plain	13	10	19
Unloader Valve With	8	2		Washer	1	65	20	Washer, Plain	13	10	20
Upper Assembly Corr	10	1		Washer	1	42	21	Washer, Plain	13	12	48
UPPER ELECTRICAL	12	5	01	Washer	2	15	30	Washer, Plain	13	12	52
V Belt Bx 51	1	64		Washer	3	2	49	Washer, Plain	13	1	53
V SEAL VA 150	11	6	7	Washer	6	2	18 *	Washer, Plain	13	1	58
V.R. Bush (Semi Finis	1	65	15	Washer	8	2	29 x	Washer, Plain	13	1	59
V.R. Toe	1	65	16	Washer	2	14		Washer, Plain	13	12	64
Vacuator Valve	1	19	6	Washer	2	14		Washer, Spring	13	14	8
Valove Rocker Assy.	1	65	*1	Washer	2	14		Washer, Spring	13	2	9
Valve	8	2	6	Washer	2	15		Washer, Spring	13	6	14
Valve	11	5	16	Washer	2	15		Washer, Spring	13	10	21
Valve	8	3	10 *	Washer	2	15		Washer, Spring	13	15	25
Valve	8	3	22 *	Washer	2	15		Washer, Spring	13	15	26
Valve	2	15	19	Washer	3	2		Washer, Spring	13	3	35
Valve	8	2	17 x	Washer	8	1	3	Washer, Spring	13	12	46
Valve	8	2	34 x	Washer	1	35	4	Washer, Spring	13	12	47
Valve Assy.	11	18		Washer	8	1	10	Washer, Spring	13	12	53
Valve Block	2	15	38	Washer	7	1	12	Washer, Spring	13	1	54
Valve Body	8	2	8	Washer	4	5	13	Washer, Spring	13	1	55
Valve Body	11	27	14	Washer	5	5	13	Washer, Spring	13	1	56
Valve Body	8	3	18	Washer	11	4	15	Washer, Spring	13	1	57
Valve Body & Bottom	8	3	14	Washer	11	4	16	Washer, Star	13	12	61
Valve Collet	1	15	24	Washer	1	73	16	Washer, Plain	13	15	22
Valve Cup	1	15	23	Washer	11	12	16	Washer, Plain	13	15	23
Valve Guide (Semi - F	1	15	15	Washer	11	4	17	Washer, Plain	13	15	24
Valve Housing	2	15	1	Washer	8	1	18	Washer, Plain	13	15	25
Valve Housing	11	18	1	Washer	1	14	13	Washer, Star	13	15	27
Valve Rocker Assembl	1	65		Washer	1	15	35	Washerf Spring	10	4	8
Valve Rocker Assy.	1	65	*12	Washer (External To	11	16	94	Water Inlet Connect	1	61	21
Valve Seal	1	15	17	Washer (For Crank P	1	12	3	Water Outlet Manifo	1	61	11
Valve Seat	8	2	16	Washer (For Rocker ,	1	65	6	Water Pump (345 C	1	66	
Valve Seat	8	5	8	Washer ,Spring	13	8	14	Water Pump Assy. (	1	66	*5
Valve Seat Insert (Exl	1	15	13	Washer 3/8 In Dia	3	2	20	Water Pump Assy. (	1	66	*7
Valve Seat Insert (Inl	1	15	12	Washer 5/16" In Dia	3	2	8	Water Pump Pulley	1	67	1
Valve Spring	1	15	22	Washer For Alu Plug	1	14	8	Water Pump Pulley	1	67	
Valve Spring Shim	11	18	20	Washer For Alu. Plug	1	15	7	Wear Pad	10	4	3

PART NO.	GP	FIG	S.NO.
Wear Pad	10	3	3
Wear Pad Carrier	10	3	2
Wear Pad Carrier	10	4	2
Wheel Hub	4	4	30
Wheel Hub	5	4	30
Wheel Nut	4	4	32
Wheel Nut	5	4	32
Wheel Stud	4	4	31
Wheel Stud	5	4	31
Wing Nut	9	1	36
Wiper	11	25	E
Wiper	11	8	e
Wiper Motor Assy.	12	5	39
Wire , Flexible ,Strain	13	12	35
Wire , Flexible ,Strain	13	12	36
Wire Hose Clip	1	33	3
Wire Rope	10	7	
Wire Rope Clamp	10	1	11
Wire Snap Ring	1	15	16
Wire Terminal , Crimp	13	12	37
Wire Terminal , Crimp	13	12	38
Wire Terminal ,Crimp	13	13	8
Wire Terminal, Crimp	13	11	4
Wire, Flexible, Strain	13	15	9
Wire, Flexible, Strain	13	15	10
Wire, Flexible, Stran.	13	13	6
Wire, Flexible, Stran.	13	13	7
Wire,Flexible, Stran.	13	13	5
Wiring Harness	2	15	31
Wiring Harness	2	15	44
Wiring Harness For E	1	22	5
With Steel Forging)	1	8	
Woodruff Key	1	42	6
Working Section	11	5	7
Worm Drive Hose Cl	8	1	2
Worm Drive Hose Cli	1	6	10
Worm Drive Hose Cli	1	62	11
Worm Drive Hose Cli	1	61	10
Worm Drive Hose Cli	1	19	7

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PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
10330	11	23	33	25636	11	20	4	3401106	11	6	4
11026	11	16	97	25637	11	20	36	3501862	11	6	10
11026	11	17	41	25638	11	19	38	3501864	11	6	12
11026	11	20	41	25642	11	20	2	3510036	11	6	11
11026	11	23	41	25643	11	20	48	3520017	11	6	13
12034	11	22	53	25644	11	20	5	3530150	11	6	7
12781	11	16	94	25661	11	18	20	3531081	11	6	8
13707	11	23	64	25729	11	19	37	5400016	11	6	15
13838	11	23	59	25748	11	23	67	25930600	11	4	5
18062	11	15	46	25749	11	23	63	35238000	11	4	12
21029	11	20	7	25750	11	23	71	49468020	11	4	36
21036	11	20	6	25864	11	23	65	710310011	11	9	6
21134	11	23	61	25958	11	15	44	712710024	11	9	11
21144	11	23	60	26233	11	16	95	712753055	11	14	4
21150	11	23	83	26344	11	16	90	712758026	11	12	22
21158	11	18	17	26464	11	21	24	712758034	11	12	19
21163	11	23	66	26466	11	19	11	712760063	11	9	10
22818	11	21	29	26467	11	19	17	712760086	11	9	7
23584	11	19	15	26479	11	19	35	712769011	11	12	10
23601	11	18	12 *	26480	11	21	25	712769156	11	12	7
24031	11	22	55	27212	11	16	91	715307157	11	13	11
24109	11	21	27	27213	11	16	92	715307251	11	13	12
24110	11	21	26	27684	11	22	51	718299099	11	13	18
24113	11	19	15	27866	11	21	25	718416007	11	13	6
24175	11	19	13	28832	11	21	24	720965008	11	10	10
24186	11	18	7 *	29855	11	20	42	720967007	11	10	11
24190	11	18	10	29855	11	23	42	721035005	11	12	14
24192	11	18	11	31386	11	15	44	722369010	11	13	10
24193	11	18	13 *	32411	11	21	45	722369023	11	13	13
24194	11	18	14 *	40128	11	19	31	6632520010	11	12	20
24195	11	18	15 *	40129	11	19	43	6635050130	11	13	15
24196	11	18	16 *	40130	11	21	57	6643000200	11	11	4
24200	11	18	9	70575	11	15	30	6643010060	11	10	4
24236	11	23	69	76208	11	21	28	6646001931	11	14	5
24306	11	19	21	81712	11	23	62	6650008130	11	9	8
24413	11	21	57	81716	11	23	56	6652000270	11	12	12
24492	11	21	57	100027	11	20	7	6652500442	11	13	9
24494	11	21	57	100028	11	23	32	6653500580	11	10	6
24581	11	22	52	100035	11	20	1	6653500920	11	10	7
24779	11	23	58	100200	11	20	99	6657002090	11	9	5
24981	11	20	47	100852	11	19	10	6660000092	11	9	12
25096	11	16	39	100854	11	19	34	6660000290	11	12	18
25292	11	19	19	101074	11	17	22	6660300120	11	13	17
25302	11	18	19	101644	11	15	23	6660300381	11	12	4
25302	11	23	68	101645	11	15	23	6661500620	11	12	21
25361	11	19	14	103314	11	16	93	6661500640	11	12	8
25443	11	19	20	104174	11	16	96	6667505060	11	12	9
25480	11	18	18	104174	11	23	70	6680000110	11	13	16
25564	11	20	1	104322	11	17	40	6680700100	11	13	4
25602	11	19	16	1885603	11	6	*	6680900090	11	13	5
25613	11	19	18	3131134	11	6	9	6682500271	11	13	7
25614	11	19	12	3303096	11	6	16	001.05.0818	4	3	21
25615	11	17	22	3401041	11	6	6	001.05.0818	5	3	21
25635	11	20	3	3401076	11	6	14	001.05.1119	4	4	33

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
001.05.1119	5	4	33	013.01.3280	4	3	15	02.024.01.0.00	1	55	2
001.05.1389	4	4	20	013.01.3280	5	3	15	02.024.09.0.00	1	28	4
001.05.1389	5	4	20	013.01.3281	4	3		02.024.11.0.00	1	65	14
001.05.1629	4	6	2	013.01.3281	5	3		02.024.12.9.00	1	65	15
001.05.1629	5	6	2	013.01.3282	4	3		02.024.13.0.00	1	65	17
001.05.2945	4	2	2	013.01.3282	5	3		02.024.14.0.00	1	65	19
001.05.2945	4	5	19	013.01.3283	4	3		02.024.15.0.00	1	65	16
001.05.2945	5	2	2	013.01.3283	5	3		02.024.20.0.00	1	65	*12
001.05.2945	5	5	19	013.01.3284	4	3		02.024.23.0.00	1	65	*13
001.13.1234	4	3	18	013.01.3284	5	3		02.024.27.0.00	1	65	18
001.13.1234	5	3	18	015.01.0360	4	6	7	02.024.38.0.00	1	42	21
002.01.0078	4	4	15	015.01.0360	5	6	7	02.024.70.0.00	1	55	1
002.01.0078	5	4	15	016.01.0367	4	3	1	02.035.08.0.00	1	37	4
002.02.0088	4	2	4	016.01.0367	5	3	1	02.036.03.0.00	1	36	7
002.02.0088	4	4	17	016.04.0429	4	2	9	02.037.04.0.00	1	14	25
002.02.0088	5	2	4	016.04.0429	4	6	3	03.001.04.0.00	1	14	15
002.02.0088	5	4	17	016.04.0429	5	2	9	03.001.18.0.00	1	14	*30
002.14.3202	4	4	40	016.04.0429	5	6	3	03.001.19.0.00	1	14	31
002.14.3202	5	4	40	016.04.0433	4	5	4	03.001.21.0.00	1	14	32
00229172A	12	1	6	016.04.0433	5	5	4	03.001.22.0.00	1	14	12
005.01.0121	4	4	18	016.06.0442	4	4	47	03.001.23.0.00	1	14	9
005.01.0121	5	4	18	016.06.0442	5	4	47	03.001.24.0.00	1	14	10
005.09.0762	4	3	4	016.08.2069	4	6	5	03.001.25.0.00	1	35	4
005.09.0762	5	3	4	016.08.2069	5	6	5	03.006.04.0.00	1	8	3
005.09.0831	4	3	17	016.13.3392	4	4	4	03.007.06.0.00	1	53	6
005.09.0831	5	3	17	016.13.3392	5	4	4	03.010.11.0.00	1	42	10
005.10.1427	4	4	29	016.14.1138	4	2	7	03.010.11.0.00	1	68	*49
005.10.1427	5	4	29	016.14.1138	5	2	7	03.010.13.0.00	1	42	12
005.10.1457	4	3	13	016.17.3389	4	3	12	03.010.15.0.00	1	42	14
005.10.1457	5	3	13	016.17.3389	5	3	12	03.011.07.0.00	1	14	18
006.03.0197	4	4	5	016.28.3390	4	3	5	03.013.06.0.00	1	35	9
006.03.0197	5	4	5	016.28.3390	4	4	6	03.014.14.0.00	1	42	13
006.04.1430	4	5	14	016.28.3390	5	3	5	03.016.02.0.00	1	12	2
006.04.1430	5	5	14	016.28.3390	5	4	6	03.016.03.0.00	1	12	3
006.04.3036	4	4	36	02.001.01.0.00	1	14	13	03.027.04.0.00	1	39	2
006.04.3036	5	4	36	02.001.07.0.00	1	14	29	03.035.02.0.00	1	27	3
006.05.1521	4	4	25	02.002.02.0.00	1	14	44	03.035.03.0.00	1	27	4
006.05.1521	5	4	25	02.002.04.0.00	1	14	45	03.036.01.0.00	1	18	2
006.08.2833	4	4	32	02.005.04.0.00	1	13	5	03.036.01.0.00	1	68	*50
006.08.2833	5	4	32	02.005.04.0.00	1	23	3	03.117.02.0.00	1	8	5
00730 501 558	2	7		02.021.01.0.00	1	54	13	03.117.04.0.00	1	296	10
008.01.0213	4	4	7	02.021.02.0.00	1	54	14	03.592.01.0.00	1	52	8
008.01.0213	5	4	7	02.021.03.0.01	1	54	15	03.592.02.0.00	1	52	12
008.01.0213	4	7	4	02.021.04.0.01	1	54	16	03.592.03.0.00	1	52	*13
011.13.1368	4	5	13	02.021.05.0.00	1	54	18	03.592.10.0.00	1	52	*7
011.13.1368	5	5	13	02.021.06.0.00	1	54	19	03.609.15.0.00	1	49	5
013.01.0320	4	3	14	02.021.20.0.00	1	54	*12	03.609.15.0.00	1	68	*51
013.01.0320	5	3	14	02.021.30.0.00	1	54	*11	03.609.16.0.00	1	10	9
013.01.0321	4	3		02.021.71.0.00	1	54	*17	03.609.17.0.00	1	10	10
013.01.0321	5	3		02.022.18.0.00	1	15	16	03.609.17.0.00	1	68	*52
013.01.0322	4	3		02.022.06.0.00	1	15	35	03.656.20.0.00	1	30	1
013.01.0322	5	3		02.022.11.0.00	1	15	23	03.660.07.0.00	1	32	4
013.01.1201	4	3		02.022.12.0.00	1	15	24	03.660.07.07.0.00	1	45	4
013.01.1201	5	3		02.022.13.0.00	1	15	22	04.001.04.0.00	1	5	6

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
04.001.04.0.00	1	14	16	06.610.01.0.00	1	59	1	0634 304 158	2	14	
04.005.09.0.00	1	13	3	06.610.03.0.00	1	33	2	0634 304 161	2	4	
04.005.11.0.00	1	13	4	06.61004.0.00	1	33	3	0634 306 047	2	4	16
04.005.12.0.00	1	13	6	06.631.02.0.00	1	15	17	0634 306 311	2	4	18
04.005.30.0.00	1	13	*2	06.654.10.0.00	1	33	*1	0634 306 311	2	12	12
04.011.03.0.00	1	60	13	06.751.01.0.00	1	10	4	0634 313 219	2	5	4
04.417.01.0.00	1	43	*2	06.751.06.0.00	1	10	3	0634 313 219	2	6	4
04.417.10.0.00	1	43	3	06.751.07.0.00	1	10	5	0634 313 219	2	7	4
04.417.20.0.00	1	43	*1	06.751.08.0.00	1	10	6	0634 313 219	2	8	4
04.421.01.0.00	1	9	1	06.751.40.0.00	1	10	2	0634 313 219	2	9	4
04.445.10.0.00	1	18	1	0630 001 076	2	14		0634 313 219	2	10	4
0501 209 692	2	12	20	0630 001 076	2	14		0634 313 269	2	5	3
0501 209 692	2	14		0630 001 076	2	14		0634 313 269	2	6	3
0501 209 879	2	4		0630 001 076	2	15		0634 313 269	2	7	3
0501 209 975	2	16	1	0630 001 076	2	15		0634 313 269	2	8	3
0501 210 157	2	11		0630 001 076	2	15		0634 313 269	2	9	3
0501 210 194	2	18	1	0630 001 096	2	15		0634 313 269	2	10	3
0501 210 291	2	5	8	0630 004 037	2	15	3	0634 313 515	2	12	14.2
0501 210 291	2	6	8	0630 501 031	2	5	7	0634 313 702	2	12	14.3
0501 210 291	2	7	8	0630 501 031	2	6	7	0634 402 164	2	7	18
0501 210 291	2	8	8	0630 501 031	2	7	7	0634 402 554	2	5	16
0501 210 291	2	9	8	0630 501 031	2	8	7	0634 402 554	2	6	16
0501 210 291	2	10	8	0630 501 038	2	3	8	0634 402 554	2	7	17
0501 210 291	2	12	14.15	0630 501 133	2	7		0634 402 554	2	8	16
0501 311 020	2	16	5	0630 501 133	2	9		0634 402 554	2	9	17
0501 313 374	2	15	27	0630 501 133	2	10		0634 402 554	2	10	17
0501 315 964	2	5	9	0630 501 134	2	7		0634 402 554	2	12	9
0501 315 964	2	6	9	0630 501 134	2	9		0634 402 555	2	3	9
0501 315 964	2	7	9	0630 501 134	2	10		0635 290 035	2	16	3
0501 315 964	2	8	9	0630 501 178	2	7		0635 460 027	2	14	4
0501 315 964	2	9	9	0630 501 178	2	9		0635 470 190	2	12	14.8
0501 315 964	2	10	9	0630 501 178	2	10		0636 010 736	2	14	
0501 315 964	2	12	14.14	0630 501 302	2	7		0636 015 386	2	4	
0501 316 442	2	4	6	0630 501 302	2	9		0636 015 386	2	4	
0501 316 494	2	4	10	0630 501 302	2	10		0636 015 483	2	4	
0501 316 495	2	3	3	0630 501 379	2	12	14.12	0636 015 564	2	15	
051 313 374	2	15	41	0630 503 014	2	3	7	0636 015 565	2	14	
06.008.02.0.00	1	60	3	0630 504 012	2	15	10	0636 015 566	2	15	
06.008.03.0.00	1	60	4	0630 513 040	2	3	5	0636 015 566	2	15	
06.008.04.0.00	1	60	5	0630 531 047	2	7		0636 015 567	2	15	
06.008.05.0.00	1	60	12	0630 531 047	2	9		0636 015 576	2	14	
06.010.01.0.00	1	42	9	0630 531 047	2	10		0636 031 166	2	1	3
06.010.02.0.00	1	42	8	0630 531 070	2	12	5	0636 031 167	2	4	
06.010.03.0.00	1	42	4	0630 531 258	2	12	14.7	0636 031 167	2	12	
06.010.04.0.00	1	42	5	0631 306 174	2	4	5	0636 031 168	2	4	
06.010.05.0.00	1	42	7	0631 311 010	2	4	7	0636 031 169	2	4	
06.010.10.0.00	1	42	*3	0634 001 045	2	12		0636 031 170	2	12	
06.074.16.0.00	1	43	5	0634 303 200	2	14		0636 101 363	2	16	
06.074.16.0.00	1	43	5	0634 303 200	2	15		0636 101 651	2	15	
06.089.02.0.00	1	9	4	0634 303 280	2	15		0636 101 651	2	15	
06.089.03.0.00	1	9	5	0634 303 280	2	15		0636 302 053	2	14	
06.376.04.0.00	1	3	2	0634 303 367	2	16	7	0636 302 053	2	15	
06.376.04.0.00	1	6	4	0634 303 419	2	12	2	0636 302 053	2	15	
06.400.188	7	1	*	0634 303 692	2	16	2	0636 302 053	2	15	

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
0636 302 600	2	14		0730 501 558	2	10		0750 106 076	2	5	5
0636 302 603	2	4		0730 501 559	2	7		0750 106 076	2	6	5
0637 035 004	2	12		0730 501 559	2	9		0750 106 076	2	7	5
06-466-144-1	7	2	1	0730 501 559	2	10		0750 106 076	2	8	5
06-466-144-10	7	2	10	0730 513 635	2	5		0750 106 076	2	9	5
06-466-144-11	7	2	11	0730 513 635	2	6		0750 106 076	2	10	5
06-466-144-12	7	2	12	0730 513 635	2	7		0750 116 108	2	3	6
06-466-144-13	7	2	13	0730 513 635	2	8		0750 131 027	2	4	8
06-466-144-14	7	2	14*	0730 513 635	2	9		0750 131 056	2	17	1
06-466-144-15	7	2	15*	0730 513 635	2	10		10.027.02.0.00	1	31	1
06-466-144-2	7	2	2*	0730 513 635	2	12		10.027.02.0.000	1	32	8
06-466-144-3	7	2	3	0730 513 636	2	5		10.027.03.0.00	1	31	2
06-466-144-4	7	2	4	0730 513 636	2	6		10.027.03.0.00	1	32	9
06-466-144-5	7	2	5	0730 513 636	2	7		10.029.07.0.00	1	36	2
06-466-144-6	7	2	6*	0730 513 636	2	8		10.029.07.0.00	1	37	2
06-466-144-7	7	2	7*	0730 513 636	2	9		10.046.02.0.00	1	57	5
06-466-144-8	7	2	8	0730 513 636	2	10		103-002-00	12	4	1
06-466-144-9	7	2	9	0730 513 636	2	12		103-002-00	12	5	1
0730 002 162	2	12	14.11	0730 513 637	2	5		1043 326 045	2	15	28
0730 004 292	2	15	30	0730 513 637	2	6		1043 326 045	2	15	42
0730 006 266	2	15		0730 513 637	2	7		1058 327 026	2	15	34
0730 006 268	2	15		0730 513 637	2	8		1058 327 026	2	15	45
0730 006 270	2	15		0730 513 637	2	9		111.07.004.01	4	5	5
0730 006 272	2	15		0730 513 637	2	10		111.07.004.01	5	5	5
0730 006 274	2	15		0730 513 637	2	12		111.07.005.01	4	5	6
0730 100 462	2	1	2	0730 513 638	2	5		111.07.005.01	5	5	6
0730 101 137	2	15		0730 513 638	2	6		112.01.610.01	4	2	12
0730 101 138	2	15		0730 513 638	2	7		112.01.610.01	4	4	46
0730 101 139	2	15		0730 513 638	2	8		112.01.610.01	5	2	12
0730 105 797	2	15		0730 513 638	2	9		112.01.610.01	5	4	46
0730 105 798	2	15		0730 513 638	2	10		112.06.070.07	4	4	3
0730 109 647	2	5	6	0730 513 638	2	12		112.06.070.07	5	4	3
0730 109 647	2	6	6	0730 513 716	2	5		112.07.024.01	4	5	8
0730 109 647	2	7	6	0730 513 716	2	6		112.07.024.01	5	5	8
0730 109 647	2	8	6	0730 513 716	2	7		113.01.003.02	4	2	1
0730 109 734	2	12	4	0730 513 716	2	8		113.01.003.02	5	2	1
0730 361 200	2	12	19	0730 513 716	2	9		113.01.005.01	4	5	1
0730 361 201	2	11		0730 513 716	2	10		113.01.005.01	5	5	1
0730 501 553	2	7		0730 513 716	2	12		113.04.004.01	4	3	7
0730 501 553	2	9		0732 000 234	2	12	14.1	113.04.004.01	5	3	7
0730 501 553	2	10		0732 000 243	2	12	14.5	113.04.014.01	4	3	16
0730 501 554	2	7		0732 041 226	2	14	3	113.04.014.01	5	3	16
0730 501 554	2	9		0732 042 663	2	15	12	113.04.500.02	4	3	23
0730 501 554	2	10		0732 042 495	2	15	5	113.04.500.02	5	3	23
0730 501 555	2	7		0732 042 496	2	15	8	113.04.702.03	4	3	6
0730 501 555	2	9		0732 042 597	2	15	23	113.04.702.03	5	3	6
0730 501 555	2	10		0732 042 598	2	15	21	113.04.751.03	4	3	24
0730 501 556	2	7		0732 042 598	2	15	40	113.04.751.03	5	3	24
0730 501 556	2	9		0732 042 662	2	15	11	113.06.007.01	4	4	37
0730 501 556	2	10		0734 309 363	2	13		113.06.007.01	5	4	37
0730 501 557	2	7		0734 309 364	2	12		113.06.008.01	4	4	38
0730 501 557	2	9		0734 310 386	2	4		113.06.008.01	5	4	38
0730 501 557	2	10		0735 320 868	2	16	4	113.07.002.01	4	5	7
0730 501 558	2	9		0736 101 312	2	14		113.07.002.01	5	5	7

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
113.07.005.02	4	5	10	176.04.009.02	4	3	3	213.06.720.01	4	4	51
113.07.005.02	5	5	10	176.04.009.02	5	3	3	213.06.720.01	5	4	51
113.07.007.01	4	5	18	176.04.049.01	4	3	2	213.24.620.06	4	6	4
113.07.007.01	5	5	18	176.04.049.01	5	3	2	213.24.620.06	5	6	4
113.07.008.01	4	5	17	176.06.065.01	4	4	35	213.24.621.08	4	6	1
113.07.008.01	5	5	17	176.06.065.01	5	4	35	213.24.621.08	5	6	1
113.07.011.01	4	5	11	176.07.006.01	4	5	12	213.25.007.01	4	7	3
113.07.011.01	5	5	11	176.07.006.01	5	5	12	213.25.612.01	4	7	6
123.06.016.01	4	4	28	1796026	12	2	6	218-006-00	13	12	12
123.06.016.01	5	4	28	194.06.003.01	4	4	44	228-038-00	13	12	5
1307 203 009	2	5		194.06.003.01	5	4	44	228-039-00	13	12	4
1307 203 009	2	6		1CE300F35S3	11	8	8	228-040-00	13	12	3
1307 203 009	2	7		2013.02.0.00	1	68	*4	228-041-00	13	12	7
1307 203 010	2	5		208-004-01	13	1	10	228-042-00	13	12	6
1307 203 010	2	6		208-005-01	13	1	11	228-055-01	13	6	7
1307 203 010	2	7		21029951	11	4	1	228-055-02	13	6	15
1307 203 019	2	5		21073580	11	4	2	228-056-04	13	15	2
1307 203 019	2	6		212.06.026.01	4	4	10	228-057-02-	13	15	4
1307 203 019	2	7		212.06.026.01	5	4	10	228-063-00	13	10	6
150-0301	6	2	14	212.06.026.02	4	4		228-257-01	13	15	3
150-0304	6	2	4	212.06.026.02	5	4		22C2090	1	72	11
150-0305	6	2	9	212.06.026.03	4	4		22C2091	1	72	13
150-0310	6	2	8	212.06.026.03	5	4		22C2092	1	72	15
150-0325	6	2	20	212.06.700.01	4	4	16	22C2093	1	72	12
150-0328	6	2	17	212.06.700.01	5	4	16	22C4006A	3	1	8
150-0441	6	2	10	213.01.001.04	4	2	3	22-M-3-025	10	3	2
150-0442	6	2	11	213.01.001.04	5	2	3	22-M-3-025	10	4	2
150-4080	6	2	29	213.06.001.02	4	4	1	230-297-00	13	12	67
150-4209	6	2	12	213.06.001.02	5	4	1	230-367-00	13	10	7
150-4257	6	2	15	213.06.004.01	4	4	30	23260580	11	4	3
150-4262	6	2	7	213.06.004.01	5	4	30	23267427	11	4	4
150-4268	6	2	26	213.06.006.03	4	4	11	238-001-00	13	5	12
150-4272	6	2	24	213.06.006.03	5	4	11	238-002-00	13	5	11
150A0000	6	2	22	213.06.007.03	4	4	8	238-004-00	13	3	10
154.07.001.01	4	5	16	213.06.007.03	5	4	8	238-005-00	13	3	8
154.07.001.01	5	5	16	213.06.009.01	4	4	27	238-027-00	13	1	12
154.07.610.06	4	5	15	213.06.009.01	5	4	27	238-028-00	13	1	13
154.07.610.06	5	5	15	213.06.010.01	4	4	26	238-034-00	13	1	14
161-001-09	13	1	1	213.06.010.01	5	4	26	238-035-00	13	1	15
161-005-00	13	3	2	213.06.011.01	4	4	24	238-036-00	13	1	16
161-006-00	13	3	3	213.06.011.01	5	4	24	238-037-00	13	1	17
161-009-01	13	6	1	213.06.015.01	4	4	22	238-038-00	13	1	18
161-019-02	13	8	1	213.06.015.01	5	4	22	238-039-00	13	1	19
161-022-00	12	5	40	213.06.610.05	4	4	21	238-040-03	13	1	2
161-022-00	13	11	1	213.06.610.05	5	4	21	238-042-03	13	1	3
161-023-03	13	11	2	213.06.701.03	4	4	13	238-043-03	13	1	4
161-045-00	13	15	1	213.06.701.03	5	4	13	238-044-03	13	1	5
161-046-00	13	10	1	213.06.710.02	4	4	43	238-045-00	13	1	20
161-047-00	13	10	2	213.06.710.02	5	4	43	238-046-00	13	1	21
161-512-00	13	10	3	213.06.711.01	4	4	59	238-047-00	13	1	22
161-513-00	13	10	4	213.06.711.01	5	4	59	238-052-00	13	14	1
161-514-00	13	10	5	213.06.719.01	4	4	52	238-053-00	13	14	2
171.01.015.04	4	2	5	213.06.719.01	5	4	52	238-054-00	13	14	3
171.01.015.04	5	2	5					238-055-00	13	14	4

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
238-057-00	13	2	2	28B1010	11	1	1	28C5072	11	2	H18
238-066-01	13	6	2	28B1011	11	1	16	28C5074	11	2	H3
238-066-01	13	8	4	28B1012	11	1	2	28C5076	11	3	2
238-066-01	13	15	5	28B1013	11	1	4	28C5096	11	2	H15
238-092-00	13	12	15	28B1014	11	1	5	28C5098	11	2	H13
238-093-00	13	12	11	28B1015	11	1	7	28F1013	9	2	1
238-094-00	13	12	50	28B1016	11	1	11	28F1014A	9	1	2
238-095-03	13	13	3	28B1017	11	1	15	28F1015A	9	1	3
238-096-00	13	12	10	28B1019	11	1	17	28F1016A	9	1	4
238-097-00	13	12	44	28B1020	11	1	3	28F1017A	9	1	5
238-101-00	13	12	8	28C1121A	9	1	20	28F1018	9	1	39
238-102-00	13	12	14	28C1122A	12	2	1	28F1019A	9	1	10
238-104-00	13	13	1	28C1124	1	71	5	28F1021	9	1	24
238-105-00	13	12	17	28C1190A	9	1	25	28F1024	9	3	7
238-106-00	13	12	9	28C1202	9	1	9	28F1026A	9	3	15
238-107-00	13	12	27	28C1203	11	24	1	28F1027	9	1	22
238-108-00	13	12	13	28C1219C	9	1	27	28F1030	4	1	17
238-109-00	13	12	41	28C1248	9	1	33	28F1037A	9	3	1
238-110-00	13	12	19	28C1249	10	1	20	28F1040	9	3	11
238-111-00	13	12	40	28C1250	4	1	14	28F1046A	9	1	1
238-112-00	13	12	16	28C1250	5	1	10	28F1047	9	1	11
238-149-00	13	1	23	28C1251	4	1	15	28F1055	1	70	1
238-150-00	13	1	24	28C1251	5	1	11	28F1056	1	70	2
238-151-00	13	1	25	28C1254	1	70	3	28F1057	9	1	34
238-152-00	13	1	26	28C1255B	1	72	2	28F1058	9	1	35
238-153-00	13	1	27	28C1261	9	1	37	28F1062	9	1	23
238-154-00	13	1	28	28C1287	1	71	4	28F1066B	1	73	4
238-155-00	13	1	29	28C1289	4	1	3	28F1075A	3	1	2
238-156-00	13	1	30	28C1289B	5	1	4	28F1084	1	73	17
238-157-00	13	1	31	28C1299	3	1	5	28F1093	3	1	3
238-158-00	13	1	32	28C1300	3	1	4	28F1094	4	1	2
238-159-00	13	1	34	28C1320	4	1	20	28F2005	10	1	6
238-160-00	13	1	35	28C2038	12	3	1	28F2006	10	1	8
238-184-00	13	8	2	28C2039	12	3	5	28F3022A	10	6	15
238-185-00	13	8	3	28C3002D	10	1	5	28F3024	10	2	45
238-186-00	13	10	8	28C3003B	10	2	6	28F3031	10	6	2
238-187-00	13	10	9	28C3025	10	6	1	28F3041	10	2	10
2438-011	10	1	7	28C3027	10	5	15	28-F-3-044	10	3	1
25941645	11	4	6	28C3033	10	2	5	28-F-3-045	10	4	1
276.01.005.01	4	3	19	28C3034	10	2	4	28F3046	10	5	1
276.01.005.01	5	3	19	28C3035	10	5	12	28F3050	10	5	14
276.25.002.02	4	7	1	28C3036	10	5	2	28F4012E	12	1	1
276.25.003.01	4	7	2	28C4021	12	1	9	28F5006	11	3	28
27720830	11	4	7	28C5001	11	2	H20	28M1071	9	1	38
27750050	11	4	8	28C5005	11	2	H8	28M1073	11	24	8
28301-253	10	6	11	28C5006	11	2	H1	28M1083	1	73	21
28A1045	1	72	1	28C5008	11	2	H10	28M1084	1	73	23
28A1057	4	1	12	28C5009	11	2	H11	28M1087	3	1	6
28A1057	5	1	8	28C5010	11	2	H4	28M1087	4	1	25
28A3030	10	2	1	28C5010	11	2	H6	28M1088	3	1	7
28A3031	10	2	2	28C5059	11	2	H7	28M2025	10	1	1
28A3032	10	2	3	28C5060	11	2	H9	28M2033	10	1	22
28A4018	12	1	8	28C5061	11	2	H14	28M2035	10	1	23
28A4022	12	1	7	28C5065	11	2	H19				

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
28M2036	10	1	24	2H.008.07.0.00	1	68	*53	33170-142	4	1	10
28M2082	10	1	25	2H.008.10.0.00	1	16	*1	33170-2481	10	2	34
28M3056	10	6	4	2H.008.11.0.00	1	16	4	33170-3153	10	2	30
28M3057	10	6	13	2H.008.11.0.00	1	68	*54	33420-430	10	2	40
28M3059	10	2	22	2H.009.02.0.00	1	54	8	33521-238	1	73	16
28M3065	10	5	9	2H.009.03.0.00	1	54	9	33530-090	10	2	41
28M3066	10	2	18	2H.009.04.0.00	1	54	10	33770-1731	11	24	3
28M3067	10	2	24	2H.009.30.0.00	1	54	*7	34.001.09.0.00	1	14	26
28M3068	10	2	26	2H.011.01.0.00	1	34	1	34.001.09.0.00	1	41	5
28M3072	10	2	19	2H.011.02.0.00	1	34	2	34.001.11.0.00	1	296	12
28M3076	10	5	3	2H.013.01.0.00	1	17	2	34.001.23.0.00	1	35	8
28M3077	10	5	7	2H.013.02.0.00	1	17	5	34.003.07.0.00	1	14	7
28M3078	10	5	8	2H.013.10.0.00	1	17	1	34.003.07.0.00	1	15	6
28M3080	10	2	60	2H.014.01.0.00	1	17	6	34.003.08.0.00	1	14	8
28M3081	10	2	61	2H.014.02.0.00	1	17	7	34.003.08.0.00	1	15	7
28M5012	11	3	1	2H.014.02.0.00	1	68	*55	34.007.02.00	1	41	15
28M5013	11	3	4	2H.017.02.0.00	1	11	3	34.013.13.0.00	1	15	21
28M5025	11	3	5	2H.017.02.0.00	1	296	16	34.014.12.0.00	1	42	20
28M5026	11	3	6	2H.017.02.0.00	1	68	*5	34.016.01.0.00	1	32	2
28M5027	11	3	7	2H.017.03.0.00	1	11	2	34.016.01.0.00	1	68	*6
28M5031	11	3	12	2H.017.03.0.00	1	296	15	34.016.15.0.00	1	32	6
28M5034	11	3	20	2H.017.10.0.00	1	11	*1	34.017.05.0.00	1	34	4
28M5035	11	3	22	2H.017.10.0.00	1	296	*14	34.025.24.0.00	1	54	5
28M5037	11	3	23	2H.022.01.0.00	1	65	9	34.036.14.0.00	1	52	11
28M5040	11	3	33	2H.022.02.0.00	1	65	10	34.036.16.0.00	1	52	9
28M5042	11	3	34	2H.022.03.0.00	1	65	8	34.036.17.0.00	1	52	10
28M5043	11	3	35	2H.022.04.0.00	1	65	6	34.036.50.0.00	1	52	5
28M6009	11	3	32	2H.023.01.0.00	1	37	3	34.036.60.0.00	1	52	*6
28P0613	10	1	2	2H.037.06.0.00	1	296	7	34.040.02.0.00	1	4	7
28V5097	11	2	H17	2H.038.02.0.00	1	38	7	34.040.02.0.00	1	68	*7
290.06.010.02	4	4	39	2H.038.03.0.00	1	38	2	34406000	11	4	11
290.06.010.02	5	4	39	2H.038.10.0.00	1	38	*1	35.107.03.0.00	1	26	1
290.06.011.02	4	4	41	2H.039.10.0.00	1	53	1	35120-295	10	6	7
290.06.011.02	5	4	41	2SOEJ08002013	11	27	1	35150-583	10	2	7
290.06.013.03	4	4	42	2T235332020	11	11	2	355.14.048.01	4	5	9
290.06.013.03	5	4	42	2T235334020	11	10	1	355.14.048.01	5	5	9
290.06.014.02	4	4	34	2T235632020	11	11	5	356-801-00	13	7	2
290.06.014.02	5	4	34	2T235634020	11	10	5	356-801-00	13	9	2
290.06.015.02	4	4	12	2T238776010	11	14	7	356-802-00	13	9	3
290.06.015.02	5	4	12	2T279970100	11	13	14	363-005-00	13	6	14
290.06.016.01	4	4	14	2X4350024	11	27	2	36330-201	1	71	3
290.06.016.01	5	4	14	30.650.04.0.00	1	4	9	363-402-00	13	7	3
290.06.020.03	4	4	23	30.650.04.0.00	1	6	3	363-402-00	13	9	4
290.06.020.03	5	4	23	300-801-00	13	4	14	363-403-00	13	9	5
29M3011	10	2	47	300-807-00	13	9	1	363-407-00	13	7	4
2H.004.02.9.00	1	38	3	300-808-00	13	7	1	363-407-00	13	9	6
2H.004.04.0.00	1	38	5	300-814-00	13	16	1	363-410-00	13	7	5
2H.005.02.0.00	1	35	2	30M3008	10	6	14	363-417-00	13	9	7
2H.005.02.0.00	1	68	*2	31390-027	10	2	28	363-420-00	13	9	8
2H.006.01.0.00	1	53	2	31730-202	10	1	9	363-422-00	13	7	6
2H.006.02.0.00	1	53	3	32752042	11	4	9	363-422-00	13	9	9
2H.006.02.0.00	1	68	*3	32753190	11	4	10	363-422-00	13	16	2
2H.008.01.0.00	1	16	2	33130-015	10	2	8	363-425-00	13	7	7
2H.008.07.0.00	1	16	3	33170-124	11	24	2	363-435-00	13	7	8

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
363-435-00	13	9	10	3H.039.05.0.00	1	296	22	40M5051	11	3	14
363-437-00	13	7	9	3H.039.05.0.00	1	68	*11	40M5054	11	3	24
363-437-00	13	9	11	3H.042.01.0.00	1	52	1	410-001-00	13	7	21
363-442-00	13	7	10	3H.042.02.0.00	1	52	2	411-002-00	13	16	9
363-442-00	13	9	12	3H.042.02.0.00	1	68	*12	411-013-00	12	4	24
363-443-00	13	7	11	3H.073.01.0.00	1	2	1	411-013-00	12	5	29
363-445-00	13	9	13	3H.107.02.000	1	10	1	411-013-00	13	16	10
363-446-00	13	9	14	3H.115.01.0.00	1	35	1	411-601-00	13	7	22
363-452-00	13	7	12	3H.120.01.0.00	1	49	1	411-601-00	13	9	23
363-453-00	13	7	13	3H.120.02.0.00	1	49	2	41387100	11	4	26
363-453-00	13	9	15	3H.120.03.0.00	1	49	3	41387200	11	4	27
363-457-00	13	9	16	3H.120.03.0.00	1	68	*13	416-102-00	13	16	11
36650100	11	4	13	3MOL420450	11	27	8	416-701-00	13	16	12
37185000	11	4	14	3SOT132140-H	11	5	20	4168 028 219	2	2	1
37390000	11	4	15	3SOT335171-H	11	5	21	41C1043	1	72	9
37540-057	10	2	31	3VIT206065	11	27	9	41C5003A	8	1	4
37583700	11	4	16	40018000	11	4	24	41C5005A	8	1	11
37584000	11	4	17	401-003	13	16	4	41C5006A	8	1	13
38.0207.05.0.00	1	66	17	401-003-00	13	7	14	41C5009A	8	1	19
38.207.04.0.00	1	66	18	401-003-00	13	9	17	41C5013A	8	1	17
38.207.08.0.00	1	66	16	401-202-00	13	7	15	420-006-00	13	7	23
380CH9020	11	27	4	401-204-00	13	7	16	420-006-00	13	9	24
380CM9123	11	27	5	401-204-00	13	9	18	420-006-00	13	16	13
38772000	11	4	18	402-101-00	13	7	17	421-007-00	13	7	24
39.040.09.00	1	61	3	402-301-00	13	16	5	421-405-00	13	15	6
39.149.01.0.00	1	296	20	402-301-00	13	16	6	42230000	11	4	28
39073000	11	4	19	404-102-00	13	7	18	42415000	11	4	29
39656100	11	4	20	404-102-00	13	16	7	430-006-00	13	7	25
39656180	11	4	21	404-305-00	13	9	19	430-006-00	13	9	25
39666000	11	4	22	404-401-00	13	7	19	430-205-00	13	7	26
39666200	11	4	23	404-402-00	13	7	20	430-205-00	13	9	26
397-412-00	13	16	3	404-402-00	13	9	21	43388110	11	4	30
399-007-00	13	13	4	404-404-00	13	9	20	43858840	11	4	31
3ANEM6200	11	27	3	404-503-00	13	16	8	449-003-00	13	7	27
3CU2710420	11	5	11	40850000	11	4	25	449-006-00	13	7	28
3CU2725420	11	5	12	40A4007	11	1	18	449-015-00	13	7	29
3ELI253000	11	5	7	40C3005	10	4	9	44-M-3-012	10	3	3
3FIA125300	11	5	4	40C3005	10	5	10	44-M-3-012	10	4	3
3FIA225300	11	5	10	40C3007	10	2	50	45371088	11	4	32
3GIU112610	11	27	6	40C3018	10	2	46	45C1201	10	4	11
3GIU316440	11	27	7	40C5003	11	2	H2	45M3007	10	2	44
3H.005.03.0.00	1	42	19	40C5013	11	2	H5	45M3008A	10	2	48
3H.005.04.0.00	1	42	11	40C5023	11	2	H16	45P2503	10	2	14
3H.005.30.0.00	1	42	*18	40M5002	11	3	9	45P2504	10	2	15
3H.007.02.0.00	1	68	*8	40M5004	11	3	11	46.066.02.0.00	1	20	2
3H.007.05.0.00	1	41	4	40M5005	11	3	21	46.066.10.0.00	1	20	*1
3H.007.12.0.0	1	68	*9	40M5007	11	3	26	46.085.02.0.00	1	20	3
3H.009.11.0.00	1	37	5	40M5010	11	3	15	46.251.01.0.00	1	22	2
3H.009.11.0.00	1	68	*56	40M5014	11	3	18	46.251.10.0.00	1	22	*1
3H.039.01.0.00	1	296	1	40M5022	11	3	36	46.252.01.0.00	1	22	4
3H.039.02.0.00	1	296	2	40M5035	11	3	30	46.252.10.0.00	1	22	*3
3H.039.02.0.00	1	68	*10	40M5046	11	3	29	46.252.20.0.00	1	22	5
3H.039.04.0.00	1	296	21	40M5048	11	3	16	4642 306 167	2	14	

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
4642 306 167	2	15		4660 301 013	2	4	1	4660 372 002	2	6	13
4644 230 040	2	1	1	4660 302 003	2	3	1	4660 373 005	2	7	12
4660 159 004	2	15	—	4660 302 004	2	3	10	4660 374 003	2	8	13
4660 159 401	2	15	—	4660 302 010	2	3	2	4660 376 004	2	9	12
4660 203 006	2	13	2	4660 302 011	2	3	4	4660 376 004	2	10	12
4660 205 004	2	12		4660 305 010	2	12	1	469-001-00	13	4	8
4660 205 007	2	12	7	4660 305 011	2	12	3	47.091.01.0.00	1	296	18
4660 205 008	2	12	14	4660 305 026	2	12	15	47.113.15.0.00	1	19	8
4660 206 001	2	15	31	4660 305 030	2	12	14.6	47.160.06.0.00	1	66	12
4660 206 003	2	15	19	4660 305 032	2	12	14.9	47.160.09.0.00	1	66	10
4660 206 006	2	15	44	4660 305 036	2	12	14.4	47.160.12.0.00	1	66	15
4660 221 008	2	4	21	4660 305 037	2	12	14.1	471-207-00	12	5	28
4660 221 009	2	4	22	4660 306 015	2	15	26	471-208-00	12	4	27
4660 221 010	2	4	23	4660 306 024	2	15	16	471-209-00	12	4	28
4660 221 011	2	12	10	4660 306 026	2	15	4	471-210-00	12	4	31
4660 221 013	2	4	15	4660 306 033	2	15	20	471-212-00	12	4	30
4660 251 005	2	5	2	4660 306 039	2	14	7	48.117.01.0.00	1	30	6
4660 251 005	2	6	2	4660 306 041	2	15	46	48.117.01.0.00	1	30	7
4660 251 005	2	7	2	4660 306 042	2	15	47	48.117.03.0.00	1	30	8
4660 251 005	2	8	2	4660 306 043	2	15	39	48.173.05.0.00	1	66	11
4660 251 005	2	9	2	4660 306 045	2	15	1	48.173.08.0.00	1	66	21
4660 251 005	2	10	2	4660 306 049	2	15	33	48.173.08.0.00	1	66	22
4660 251 007	2	5		4660 306 050	2	15	15	48.173.08.0.00	1	68	*14
4660 251 007	2	6		4660 306 053	2	15	9	48.214.02.0.00	1	61	4
4660 251 007	2	12		4660 306 055	2	15	22	48.214.02.0.00	1	68	*15
4660 251 008	2	8		4660 306 056	2	15	25	48.288.02.0.00	1	14	48
4660 251 008	2	9		4660 306 057	2	15	32	481-019-00	13	2	4
4660 251 008	2	10		4660 306 062	2	14	8	487-003-00	13	7	30
4660 251 012	2	7		4660 306 064	2	14	6	487-003-00	13	9	27
4660 251 012	2	9		4660 306 067	2	15	24	487-004-00	13	7	31
4660 251 012	2	10		4660 306 068	2	14	11	487-004-00	13	9	28
4660 251 013	2	7		4660 306 069	2	14	10	487-010-00	13	16	14
4660 251 013	2	9		4660 306 070	2	14	9	49.080.01.0.00	1	56	1
4660 251 013	2	10		4660 306 071	2	14	1	49.106.02.0.00	1	25	6
4660 271 001	2	5	1	4660 306 072	2	15	6	49.202.01.0.00	1	64	1
4660 271 003	2	5		4660 306 073	2	14	2	49.403.03.0.00	1	3	1
4660 271 003	2	6		4660 306 074	2	15	14	49270000	11	4	33
4660 271 003	2	8		4660 306 075	2	15	38	49324000	11	4	34
4660 271 004	2	5		4660 321 029	2	4	19	49326000	11	4	35
4660 271 004	2	6		4660 321 029	2	12	13	4DAD112175	11	5	1
4660 271 004	2	8		4660 322 001	2	16	6	4GUA108718	11	27	10
4660 272 001	2	6	1	4660 330 004	2	4	9	4GUA322226	11	5	5
4660 273 001	2	7		4660 351 011	2	5	10	4GUA322226	11	5	8
4660 273 005	2	7	1	4660 351 011	2	6	10	4GUA341026	11	5	6
4660 274 001	2	8		4660 351 011	2	7	10	4GUA341026	11	5	9
4660 274 001	2	9		4660 351 011	2	8	10	4GUA711726	11	27	11
4660 274 004	2	8	1	4660 351 011	2	9	10	4H . 007.24.0.00	1	15	32
4660 274 007	2	10		4660 351 011	2	10	10	4H 156.03.0.00	1	14	42
4660 275 006	2	9	1	4660 351 011	2	12	14.13	4H. 933.04.0.00	1	36	*1
4660 276 002	2	10	1	4660 351 011	2	12	14.16	4H..144.10.0.00	1	41	*1
4660 301 009	2	4	24	4660 351 033	2	9	6	4H.001.001.05.0.00	1	14	6
4660 301 010	2	4	25	4660 351 033	2	10	6	4H.001.02.0.00	1	14	11
4660 301 012	2	4	2	4660 371 003	2	5	13	4h.001.03.0.00	1	14	21

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
4H.001.04.0.00	1	14	22	4H.030.02.0.00	1	5	2	4H.156.07.0.00	1	14	46
4H.001.04.0.00	1	68	*16	4H.030.02.0.00	1	68	*21	4H.156.10.0.00	1	14	40
4H.001.13.0.00	1	28	2	4H.031.06.0.00	1	48	8	4H.156.20.0.00	1	14	*1
4H.002.01.0.00	1	13	9	4H.031.06.0.00	1	48	10	4H.156.50.0.00	1	14	*2
4H.002.10.0.00	1	13	*1	4H.031.07.0.00	1	48	14	4H.160.01.0.00	1	57	2
4H.003.02.0.00	1	8	4	4H.031.20.0.00	1	48	*6	4H.160.02.0.00	1	57	3
4H.003.03.0.00	1	8	2	4H.031.30.0.00	1	48	*7	4H.160.03.0.00	1	57	4
4H.006.01.0.00	1	32	3	4H.035.06.0.00	1	25	2	4H.160.10.0.00	1	57	*1
4H.006.01.0.00	1	45	1	4H.035.06.0.00	1	68	*22	4H.161.03.0.00	1	57	6
4H.006.01.0.00	1	68	*58	4H.038.02.0.00	1	28	5	4H.161.04.0.00	1	57	7
4H.007.01.0.00	1	15	4	4H.038.04.0.00	1	28	6	4H.161.04.0.00	1	68	*27
4H.007.02.9.00	1	15	15	4H.038.05.0.00	1	28	15	4H.161.05.0.00	1	7	1
4H.007.03.9.00	1	15	12	4H.039.01.0.00	1	61	21	4H.161.06.0.00	1	7	2
4H.007.04.9.00	1	15	13	4H.039.02.0.00	1	61	16	4H.166.05.0.00	1	19	4
4H.007.05.0.00	1	15	19	4H.039.02.0.00	1	68	*23	4H.166.11.0.00	1	19	5
4H.007.06.0.00	1	15	20	4H.040.01.0.00	1	61	2	4H.166.13.0.00	1	19	2
4H.007.07.0.00	1	15	34	4H.050.30.0.00	1	36	3	4H.168.03.0.00	1	4	8
4H.007.08.0.00	1	15	29	4H.050.40.0.00	1	36	4	4H.168.03.0.00	1	68	*60
4H.007.10.0.00	1	15	*3	4H.050.50.0.00	1	36	5	4H.183.01.0.00	1	19	3
4H.007.20.0.00	1	15	*2	4H.061.02.0.00	1	23	4	4H.183.10.0.00	1	19	*1
4H.007.24.0.00	1	68	*17	4H.061.02.0.00	1	23	5	4H.23.01.0.00	1	47	2
4H.007.26.0.00	1	15	28	4H.061.10.0.00	1	23	*1	4H.231.01.0.00	1	60	11
4H.007.30.0.00	1	15	*1	4H.088.01.0.00	1	1	1	4H.231.10.0.00	1	60	*2
4H.007.38.0.00	1	15	*14	4H.096.03.0.00	1	61	5	4H.231.20.0.00	1	60	*1
4H.007.40.0.00	1	15	*18	4H.107.02.0.00	1	25	3	4H.237.01.0.00	1	38	4
4H.008.01.0.00	1	65	3	4H.11230.10.0.00	1	8	*1	4H.303.02.0.00	1	51	1
4H.008.04.0.00	1	65	5	4H.129.02.0.00	1	25	1	4H.329.05.0.00	1	50	14
4H.008.10.0.00	1	65	*1	4H.129.03.0.00	1	25	4	4H.329.23.0.00	1	50	10
4H.008.20.0.00	1	65	*2	4H.1308.03.0.00	1	32	1	4H.329.24.0.00	1	50	4
4H.009.06.0.00	1	57	11	4H.131.01.0.00	1	4	2	4H.329.26.0.00	1	50	8
4H.009.06.0.00	1	68	*18	4H.131.02.0.00	1	4	3	4H.329.27.0.00	1	50	5
4H.010.24.0.00	1	39	4	4H.131.03.0.00	1	4	13	4H.340.10.0.00	1	27	*1
4H.010.93.0.00	1	39	3	4H.131.04.0.00	1	4	10	4H.366.03.0.00	1	62	
4H.010.93.0.00	1	68	*31	4H.131.10.0.00	1	4	*1	4H.366.05.0.00	1	62	8
4H.021.01.0.00	1	66	8	4H.132.02.0.00	1	44	1	4H.366.05.0.00	1	62	9
4H.021.02.0.00	1	66	23	4H.132.03.0.00	1	44	2	4H.366.06.0.00	1	62	12
4H.021.03.0.00	1	66	20	4H.132.03.0.00	1	68	*24	4H.366.07.0.00	1	62	10
4H.021.03.0.00	1	66	26	4H.132.11.0.00	1	62	3	4H.366.07.0.00	1	68	*61
4H.021.03.0.00	1	68	*19	4H.132.11.0.00	1	68	*25	4H.366.30.0.00	1	62	6
4H.021.04.0.00	1	66	19	4H.132.14.0.00	1	62	7	4H.372.01.0.00	1	42	16
4H.021.05.0.00	1	66	9	4H.132.14.0.00	1	68	*26	4H.372.02.0.00	1	42	17
4H.021.07.0.00	1	66	14	4H.136.10.0.00	1	63	1	4H.385.01.0.00	1	41	3
4H.021.10.0.00	1	66	*7	4H.144.20.0.00	1	41	*2	4H.385.02.0.00	1	41	14
4H.021.20.0.00	1	66	*5	4H.1490.18.0.00	1	68	*1	4H.399.01.0.00	1	48	1
4H.021.30.0.00	1	66	*6	4H.1490.19.0.00	1	68	*30	4H.399.02.0.00	1	48	4
4H.022.01.0.00	1	61	11	4H.1490.20.0.00	1	68	*48	4H.399.03.0.00	1	48	5
4H.022.02.0.00	1	61	22	4H.153.01.0.00	1	54	4	4H.422.01.0.00	1	46	1
4H.022.02.0.00	1	68	*20	4H.153.10.0.00	1	54	*2	4H.433.01.0.00	1	40	1
4H.022.03.0.00	1	61	12	4H.153.20.0.00	1	54	*3	4H.433.01.0.00	1	40	2
4H.023.03.0.00	1	61	9	4H.153.40.0.00	1	54	*1	4H.442.02.0.00	1	6	1
4H.023.03.0.00	1	68	*59	4H.156.01.0.00	1	14	3	4H.442.03.0.00	1	6	2
4H.024.03.0.00	1	19	6	4H.156.02.0.00	1	14	41	4H.442.03.0.00	1	68	*62
4H.030.01.0.00	1	5	1	4H.156.04.0.00	1	14	43	4H.442.04.0.00	1	6	8

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
4H.442.04.0.00	1	68	*63	50.002.10.050	1	66	*1	50.010.08.065	1	51	2
4H.442.05.0.00	1	6	10	50.002.10.060	1	66	2	50.010.10.025	1	49	6
4H.442.06.0.00	1	6	11	50.002.10.075	1	66	3	50.010.10.045	1	47	3
4H.486.10.0.00	1	39	1	50.003.06.012	1	1	2	50.010.10.050	1	15	27
4H.495.01.0.00	1	45	2	50.003.06.012	1	4	11	50.010.10.070	1	15	26
4H.514.01.0.00	1	67	1	50.003.06.012	1	28	7	50.011.08.016	1	43	4
4H.522.02.0.00	1	24	4	50.003.06.012	1	296	8	50.011.08.020	1	296	23
4H.522.03.0.00	1	24	7	50.003.06.012	1	32	11	50.011.08.025	1	49	4
4H.522.03.0.00	1	68	*28	50.003.06.012	1	36	9	50.011.08.035	1	41	13
4H.522.04.0.00	1	24	1	50.003.06.012	1	60	6	50.022.12.010	1	65	4
4H.524.01.0.00	1	44	4	50.003.06.025	1	48	12	50.033.10.025	1	40	3
4H.524.02.0.00	1	44	5	50.003.08.012	1	62	13	50.036.03.001	1	52	14
4H.525.01.0.00	1	62	2	50.003.08.016	1	28	10	50.036.07.010	1	42	15
4H.525.10.0.00	1	62	*1	50.003.08.016	1	60	9	50.052.10.030	1	28	3
4H.550.10.0.00	1	61	*1	50.003.08.020	1	7	3	50.056.06.000	1	41	6
4H.561.01.0.00	1	50	3	50.003.08.020	1	11	5	50.056.06.000	1	61	14
4H.561.10.0.00	1	50	*2	50.003.08.020	1	24	5	50.080.08.000	1	24	3
4H.619.31.0.00	1	68	*57	50.003.08.020	1	44	3	50.401.04.012	1	14	47
4H.723.01.0.00	1	21	1	50.003.08.020	1	53	4	50.401.08.014	1	14	38
4H.933.04.0.00	1	37	1	50.003.08.020	1	61	19	50.401.08.025	1	13	7
4H.944.01.0.00	1	28	1	50.003.08.020	1	62	4	50.401.08.060	1	13	8
4H.944.02.0.00	1	28	9	50.003.08.025	1	14	23	50.405.11.000	1	42	6
4H0.31.10.0.00	1	48	*9	50.003.08.025	1	34	3	50.50.8.27.000	1	296	11
4H007.37.0.00	1	15	33	50.003.08.025	1	35	6	50.502.35.000	1	54	6
4H340.01.0.00	1	27	2	50.003.08.025	1	52	3	50.502.52.000	1	66	13
4ROS313025	11	5	2	50.003.08.025	1	61	15	50.503.04.000	1	59	2
4VIT605100	11	27	12	50.003.08.025	1	66	24	50.504.01.000	1	30	2
5.37.03.0	9	2	2	50.003.08.030	1	65	11	50.504.04.000	1	32	7
50.000.08.025	1	296	5	50.003.08.045	1	296	17	50.505.08.000	1	48	3
50.00055.0	9	2	10	50.003.08.25	1	48	2	50.505.10.000	1	9	7
50.00055.0	9	3	17	50.003.10.000	1	6	14	50.505.10.000	1	47	5
50.002.08.045	1	17	3	50.003.10.020	1	4	16	50.506.06.000	1	1	3
50.002.08.035	1	24	8	50.003.10.025	1	2	2	50.506.06.000	1	4	12
50.002.08.035	1	296	6	50.003.10.025	1	6	5	50.506.06.000	1	28	8
50.002.08.035	1	42	23	50.003.10.030	1	10	11	50.506.06.000	1	296	9
50.002.08.040	1	61	20	50.003.12.035	1	23	2	50.506.06.000	1	48	13
50.002.08.045	1	11	4	50.003.12.035	1	30	4	50.506.06.000	1	60	7
50.002.08.045	1	57	8	50.006.06.000	1	36	10	50.506.08.000	1	4	15
50.002.08.060	1	61	17	50.006.06.000	1	48	11	50.506.08.000	1	5	5
50.002.08.065	1	5	4	50.006.06.000	1	60	8	50.506.08.000	1	6	13
50.002.08.070	1	38	6	50.006.08.000	1	4	14	50.506.08.000	1	11	6
50.002.08.070	1	41	8	50.006.08.000	1	24	10	50.506.08.000	1	14	24
50.002.08.070	1	41	10	50.006.08.000	1	50	13	50.506.08.000	1	17	4
50.002.08.075	1	4	18	50.006.08.000	1	51	4	50.506.08.000	1	24	9
50.002.08.075	1	42	22	50.006.10.000	1	15	30	50.506.08.000	1	25	7
50.002.08.080	1	35	11	50.006.10.000	1	35	5	50.506.08.000	1	28	11
50.002.08.090	1	41	12	50.006.10.000	1	47	4	50.506.08.000	1	296	4
50.002.08.100	1	296	3	50.006.10.000	1	49	8	50.506.08.000	1	35	7
50.002.08.100	1	57	9	50.006.10.000	1	50	7	50.506.08.000	1	41	9
50.002.08.110	1	35	10	50.01.10.030	1	35	3	50.506.08.000	1	41	11
50.002.08.120	1	5	3	50.010.08.016	1	4	4	50.506.08.000	1	42	24
50.002.08.120	1	50	12	50.010.08.020	1	24	2	50.506.08.000	1	50	11
50.002.10.040	1	40	4	50.010.08.020	1	25	5	50.506.08.000	1	51	3

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
50.506.08.000	1	52	4	50.508.31.000	1	296	19	507-012-00	12	5	13
50.506.08.000	1	53	5	50.508.31.000	1	68	*46	507-012-00	13	9	31
50.506.08.000	1	57	10	50.508.34.000	1	4	5	507-012-00	13	16	17
50.506.08.000	1	60	10	50.508.34.000	1	68	*47	507-013-00	12	4	12
50.506.08.000	1	61	6	50.513.15.000	1	65	7	507-013-00	12	5	14
50.506.08.000	1	61	18	50.519.06.000	1	6	9	507-013-00	13	7	37
50.506.08.000	1	62	5	50.519.07.000	1	62	11	507-013-00	13	9	32
50.506.08.000	1	7	4	50.519.08.000	1	61	10	507-013-00	13	16	18
50.506.10.000	1	4	17	50.519.09.000	1	19	7	507-015-00	13	7	36
50.506.10.000	1	6	6	50.540.09.016	1	14	39	507-019-00	12	4	4
50.506.10.000	1	9	6	50.540.09.016	1	51	5	507-019-00	12	5	5
50.506.10.000	1	40	5	50.541.02.000	1	36	6	507-020-00	12	4	5
50.506.10.000	1	49	7	50.541.03.000	1	36	8	507-020-00	12	5	6
50.506.10.000	1	50	9	50.548.08.000	1	24	6	507-021-00	12	4	9
50.506.10.000	1	66	4	50.548.10.000	1	6	15	507-021-00	12	5	10
50.506.10.000	1	10	12	50.565.10.000	1	41	7	507-022-00	12	4	2
50.506.12.000	1	30	5	50.565.18.000	1	296	13	507-022-00	12	5	3
50.506.12.000	1	50	6	50.602.14.000	1	9	2	507-023-00	12	4	3
50.508.07.0.000	1	32	5	50.602.14.000	1	14	36	507-023-00	12	5	4
50.508.07.000	1	45	3	50.602.14.000	1	61	7	507-024-00	12	4	7
50.508.07.000	1	68	*32	50.602.16.000	1	28	12	507-024-00	12	5	8
50.508.08.000	1	14	27	50.610.10.000	1	14	28	507-025-00	12	4	6
50.508.08.000	1	45	*5	50.610.12.000	1	14	19	507-025-00	12	5	7
50.508.08.000	1	68	*33	50.610.16.000	1	15	8	507-026-00	12	4	8
50.508.10.000	1	14	20	50.610.24.000	1	15	10	507-026-00	12	5	9
50.508.10.000	1	68	*34	50.610.30.000	1	4	6	507-027-00	12	4	10
50.508.11.000	1	20	4	501-006-00	13	16	12	507-027-00	12	5	12
50.508.11.000	1	61	8	501-018-00	12	5	2	508-010-00	12	5	16
50.508.11.000	1	68	*35	501-205-00	12	4	26	508-101-00	13	16	19
50.508.12.000	1	9	3	502-103-00	12	5	32	508-104-00	13	16	20
50.508.12.000	1	14	37	502-104-00	12	5	33	508-108-00	12	5	15
50.508.12.000	1	30	3	502-502-00	12	5	34	508-109-00	12	4	13
50.508.12.000	1	32	12	502-805-00	12	5	35	508-109-00	12	5	17
50.508.12.000	1	68	*36	502-807-00	12	5	31	508-110-00	12	5	18
50.508.14.000	1	61	13	502-903-00	12	5	36	508-503-00	13	16	21
50.508.14.000	1	68	*37	503-003-00	12	5	39	51.509.25.0.00	1	32	10
50.508.15.000	1	28	13	504-002-00	13	15	7	5185600	11	6	1
50.508.15.000	1	68	*38	505-048-00	13	7	32	521-004-00	13	16	22
50.508.15.000	1	68	*41	505-048-00	13	9	29	521-007-+00	13	15	8
50.508.16.000	1	15	9	505-049-00	13	7	33	522-516-00	12	4	32
50.508.16.000	1	68	*39	505-050-00	13	7	34	5285600	11	6	2
50.508.16.000	1	68	*42	505-056-00	13	7	35	531-023-00	13	12	22
50.508.17.000	1	68	*40	505-056-00	13	9	30	531-023-00	13	12	35
50.508.17.000	1	68	*43	505-056-00	13	16	13	531-023-00	13	15	9
50.508.18.000	1	5	7	505-066-00	13	16	14	531-026-00	13	13	5
50.508.18.000	1	14	17	505-071-00	12	5	11	531-027-00	13	15	10
50.508.23.000	1	10	8	505-079-00	13	16	15	531-028-00	13	13	6
50.508.25.000	1	10	7	505-081-00	13	16	16	531-029-00	13	12	36
50.508.27.000	1	68	*44	507-007-00	12	4	25	531-031-00	13	13	7
50.508.29.000	1	15	11	507-007-00	12	5	30	532-056-00	12	4	23
50.508.29.000	1	68	*45	507-007-00	13	12	18	532-078-00	12	4	20
				507-012-00	12	4	11	532-078-00	12	5	24

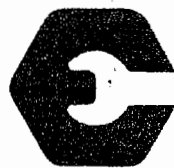
PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
532-080-00	12	4	21	592-046-00	13	12	30	606-001-00	13	3	32
532-080-00	12	5	25	592-066-00	13	10	10	606-007-00	13	1	60
532-081-00	12	4	22	593-006-00	13	1	39	609-006-00	13	1	46
532-081-00	12	5	26	593-013-00	13	1	40	609-010-00	13	1	48
533-001-00	13	4	9	593-014-00	13	1	41	609-013-00	13	2	8
533-401-00	12	5	37	593-015-00	13	12	33	609-016-00	13	1	47
533-406-00	13	11	3	593-016-00	13	12	34	610-001-00	13	12	56
5385603	11	6	3	593-0585-00	12	5	38	610-009-00	13	12	58
539-403-00	12	4	17	593-059-00	12	4	29	610-016-00	13	13	10
539-403-00	12	5	21	593-101-00	12	4	14	610-017-00	13	12	57
539-404-00	12	4	18	593-101-00	12	5	19	611-003-00	13	3	33
539-404-00	12	5	22	593-102-00	12	4	15	611-033-00	13	5	35
539-405-00	12	4	19	594-005-00	13	3	24	621-001-00	13	15	24
539-405-00	12	5	23	595-001-00	13	15	17	621-003-00	13	10	17
541-014-00	13	11	4	595-011.00	13	15	18	621-020-00	13	1	49
541-029-00	13	12	38	595-021-00	13	6	8	621-505-00	13	12	68
541-218-00	13	12	37	595-021-00	13	7	38	622-003-00	13	12	49
541-218-00	13	13	8	595-024-00	13	8	8	622-003-00	13	14	6
561-012-00	13	3	20	595-026-00	13	1	42	622-004-00	13	1	52
561-013-00	13	12	20	595-026-00	13	6	9	622-004-00	13	12	51
561-203-00	13	1	36	595-026-00	13	8	9	622-005-00	13	1	50
561-204-00	13	1	37	595-026-00	13	10	11	622-007-00	13	1	51
571-006-00	13	3	22	595-026-00	13	12	29	631-001-00	13	12	64
571-012-00	13	12	25	595-027-00	13	12	55	631-003-00	13	10	18
571-610-00	13	12	26	595-029-00	13	12	28	631-003-00	13	15	25
572-022-00	13	3	21	595-043-00	13	15	19	631-004-00	13	12	48
575-007-00	13	12	32	595-057-00	13	10	12	631-004-00	13	14	7
575-011-00	13	3	9	50.003.08.020	1	6	12	631-005-00	13	1	58
575-014-00	13	12	31	601-013-00	13	15	20	631-005-00	13	6	12
584-001-00	13	8	7	601-023-00	13	3	34	631-005-00	13	8	12
591-002-00	13	12	39	601-030-00	13	15	21	631-005-00	13	12	52
591-002-00	13	13	9	602-010-00	13	10	13	631-005-00	13	15	22
591-004-00	13	12	23	602-012-00	13	10	14	631-006-00	13	1	59
591-026-00	13	12	24	602-019-00	13	14	5	631-008-00	13	1	53
591-027-00	13	1	38	602-020-00	13	12	43	632-001-00	13	6	13
591-035-00	13	12	99	602-028-00	13	6	10	632-001-00	13	8	13
591-045-00	13	15	15	602-028-00	13	8	10	632-001-00	13	10	19
591-046-00	13	15	16	602-028-00	13	12	42	632-001-00	13	15	23
591-047-00	13	6	5	602-036-00	13	1	43	632-001-00	13	15	24
591-047-00	13	8	5	602-058-00	13	12	45	632-501-00	13	10	20
591-047-00	13	15	11	602-061-00	13	1	44	633B1173	6	2	16 *
591-048-00	13	6	6	603-007-00	13	10	15	633B1202	6	2	13 *
591-048-00	13	8	6	603-007-00	13	15	22	633B1205	6	2	5 *
591-048-00	13	15	12	603-009-00	13	15	23	633B9002	6	2	1 *
591-052-00	13	15	13	603-010-00	13	12	59	633B9007	6	2	6 *
591-053-00	13	15	14	603-501-00	13	12	54	636-003-00	13	1	54
591-054-00	13	6	3	604-003-00	13	6	11	636-003-00	13	10	21
591-055-00	13	6	4	604-003-00	13	8	11	636-003-00	13	12	66
591-056-00	12	5	27	604-003-00	13	12	63	636-003-00	13	15	25
591-057-00	12	4	16	604-005-00	13	16	23	636-004-00	13	3	35
591-057-00	12	5	20	604-006-00	13	10	16	636-004-00	13	12	47
592-045-00	13	12	21	604-024-00	13	1	45	636-004-00	13	14	8

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
636-005-00	13	1	55	720885005A	11	12	2	808.01.017.01	5	2	10
636-005-00	13	8	14	720887003A	11	9	1	819.01.610.01	4	2	6
636-005-00	13	12	46	720953003A	11	9	4	819.01.610.01	5	2	6
636-005-00	13	15	26	720954005A	11	14		85.09.114.0	9	3	16
636-006-00	13	1	56	720954005A	11	14		85.09.115.0	1	72	17
636-007-00	13	2	9	720954005A	11	14		85.09.85.1	1	73	22
636-008-00	13	1	57	720954005A	11	14		85.33.901.2	1	73	24
637-001-00	13	15	27	720954005A	11	14		8536-025	12	3	4
637-003-00	13	12	53	720954005A	11	14		8536-037	12	2	3
637-003-00	13	12	61	720954010A	11	12	13	8536-038	12	2	4
65.061.15.0.00	1	2	3	720954010A	11	12	13	8536-039	12	2	5
6630040491	11	9	3	720954013A	11	12	13	8536-040	12	2	2
6633030471	11	13	3	720954013A	11	12	13	8IBH08C2130	10	2	16
6641000360	11	11	3	720954013A	11	14		8IBH10C3660	10	2	38
6641010030	11	10	3	720954013A	11	14		8IBH16C3320	10	1	21
6654503861	11	14	1	720954016A	11	14		8IBH16F3400	10	1	10
66620002471	11	13	2	720954016A	11	14		8INH20F3000	10	2	42
6662003630	11	12	3	720954016A	11	14		8INL20F3000	10	2	43
6670500041	11	9	2	720954017A	11	14		8ISA12C0180	10	2	9
681x1582	6	2	21	720954017A	11	14		8ISG10C2070	11	24	4
681Z1011	6	2	23	720954017A	11	14		8ISH06F3080	10	2	35
682L3058	6	2	19	720954021A	11	14		8ISH16C3140	10	2	11
684x2481	6	2	18 *	720954021A	11	14		8ISH08F3160	10	2	32
689x1005	6	2	27	720954022A	11	14		8M105403300	11	3	3
689x1031	6	2	3	720954022A	11	14		8MSA06F3080	3	1	19
6H.004.10.0.00	1	42	*1	720954027A	11	14		8MSA08C2060	1	73	25
6H.004.20.0.00	1	42	2	720954030A	11	14		8MSA10C2050	1	73	11
6H.017.01.0.00	1	50	1	720955012A	11	10	9	8MSA10C2060	1	73	3
6H.018.01.0.00	1	12	1	720955014A	11	10	8	8MSA12C2080	3	1	18
6H.029.01.0.00	1	63	2	720971020A	11	12	13	8MSH05C1030	9	3	9
6H.029.01.0.00	1	68	*29	721982005A	11	12	15	90302-034	10	2	21
6H.077.01.0.00	1	47	1	721982005A	11	12	15	90302-055	10	5	16
7.07.22.0	9	2	7	721982019A	11	12	15	90302-055	10	6	6
7.07.23.0	9	2	8	721982019A	11	12	15	90302-086	10	2	29
7.08.08.1	1	72	14	721982019A	11	12	15	9120-061	10	2	25
702.01.003.01	4	2	8	729.06.009.01	4	4	19	932.06.074.01	4	4	31
702.01.003.01	5	2	8	729.06.009.01	5	4	19	932.06.074.01	5	4	31
710300882A	11	9	9	734.04.005.02	4	3	9	932032	12	2	9
712770100A	11	12	5	734.04.005.02	5	3	9	94005-457	1	72	16
712770101A	11	12	6	734.04.007.02	4	3	10	94019-060	4	1	9
713006003A	11	12	17	734.04.007.02	5	3	10	94081-236	11	1	8
714500010A	11	12	1	734.04.009.01	4	3	11	94911-002	10	2	23
71530268A	11	11	1	734.04.009.01	5	3	11	94911-002	11	24	7
715303245A	11	12	11	734.04.010.01	4	3	8	9528-001	8	1	1
715303245A	11	13	19	734.04.010.01	5	3	8	9528-001	8	2	—
715303268A	11	10	12	734.04.013.09	4	3	20	9528-002	8	1	7
715303397	11	14	2	734.04.013.09	5	3	20	9528-007	8	1	20
715303410	11	10	2	734.07.015.01	4	7	5	9528-009	8	1	24
718012001A	11	12	16	734.07.015.1	4	5	3	9528-016	8	1	9
718298752	11	14	3	734.07.015.1	5	5	3	9528-030	8	1	10
718299076A	11	14	6	8.37.17.0	1	72	6	9528-034	8	1	27
718299091	11	13	1	808.01.017.01	4	2	10	9528-038	8	1	18

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
9528-052	8	1	12	ALZFAG27	3	2	28	ALZFAG80	3	2	66
95601-001	11	3	13	ALZFAG28	3	2	29	ALZFAG81	3	2	67
95601-002	11	3	19	ALZFAG29	3	2	30	ALZFAG82	3	2	68
95601-003	11	3	25	ALZFAG30	3	2	31	ALZFAG83	3	2	69
95601-004	11	3	27	ALZFAG31	3	2	32	ALZFAG84	3	2	70
95601-005	11	3	8	ALZFAG32	3	2	33	ALZFAG85	3	2	71
95601-007	11	3	10	ALZFAG33	3	2		ALZFAG86	3	2	72
95601-008	9	3	6	ALZFAG34	3	2	36	ALZFAG87	3	2	73
95601-008	11	3	17	ALZFAG35	3	2	37	ALZFAG88	3	2	74
95601-008	11	3	31	ALZFAG36	3	2	38	ALZFAG89	3	2	75
95901-257	4	1	11	ALZFAG37	3	2	39	ALZFAG90	3	2	77
ALZFAG00	3	2	1	ALZFAG38	3	2	40	ALZFAG91	3	2	78
ALZFAG01	3	2	2	ALZFAG39	3	2	40	ALZFAG92	3	2	79
ALZFAG02	3	2	3	ALZFAG40	3	2	40	ALZFAG93	3	2	80
ALZFAG03	3	2	4	ALZFAG41	3	2	40	ALZFAG94	3	2	81
ALZFAG04	3	2	5	ALZFAG42	3	2	40	ALZFAG95	3	2	82
ALZFAG05	3	2	6	ALZFAG43	3	2	40	ALZFAG96	3	2	83
ALZFAG06	3	2	7	ALZFAG44	3	2	41	ALZFAG97	3	2	84
ALZFAG07	3	2	7A	ALZFAG45	3	2	42	ALZFAG98	3	2	86
ALZFAG08	3	2	8	ALZFAG46	3	2	43	ALZFAG99	3	2	87
ALZFAG09	3	2	9	ALZFAG47	3	2	44	B1.08X50 (8.8G)	1	71	6
ALZFAG10	3	2	10	ALZFAG48	3	2	45	B1.10X30(8.8G)	1	71	10
ALZFAG100	3	2	88	ALZFAG49	3	2	45	B1.10X30-8.8G	10	1	3
ALZFAG101	3	2	89	ALZFAG50	3	2	45	B1.10X40	3	1	21
ALZFAG102	3	2	90	ALZFAG51	3	2	45	B1.10X40 - 10.9	4	1	21
ALZFAG103	3	2	91	ALZFAG52	3	2	45	B1.10X45	3	1	16
ALZFAG104	3	2	91A	ALZFAG53	3	2	45	B1.10X45 - 8.8G	1	73	13
ALZFAG105	3	2	91B	ALZFAG54	3	2	45	B1.10X55-8.8G	1	73	19
ALZFAG106	3	2	91C	ALZFAG55	3	2	46	B1.10X75-8.8G	3	1	9
ALZFAG107	3	2		ALZFAG56	3	2	47	B1.12X100	10	5	4
ALZFAG108	3	2	92	ALZFAG57	3	2	48	B1.12X140	3	1	20
ALZFAG109	3	2	92	ALZFAG58	3	2	49	B1.12X180	1	73	5
ALZFAG11	3	2	11	ALZFAG59	3	2	50	B1.12X40-8.8G	10	6	9
ALZFAG110	3	2	93	ALZFAG60	3	2	51	B1.12X65-8.8G	3	1	12
ALZFAG111	3	2	94	ALZFAG61	3	2	52	B1.16x30-8.8G	11	24	5
ALZFAG112	3	2		ALZFAG62	3	2	53	B1.18X80-8.8G	10	1	15
ALZFAG113	3	2		ALZFAG63	3	2	54	B1.20X80	4	1	7
ALZFAG114	3	2		ALZFAG64	3	2	55	B1.24X300-12.9G	10	2	57
ALZFAG12	3	2	11A	ALZFAG65	3	2	56	B2.005. 19.0.00	1	14	35
ALZFAG13	3	2	12	ALZFAG66	3	2	57	B2.005.16.0.00	1	14	14
ALZFAG14	3	2	13	ALZFAG67	3	2	60	B2.005.18.0.00	1	14	34
ALZFAG15	3	2	16	ALZFAG68	3	2	61	B2.005.22.0.00	1	14	*33
ALZFAG16	3	2	17	ALZFAG69	3	2	62	C002P	11	7	15
ALZFAG17	3	2	18	ALZFAG70	3	2	62	C002P	11	8	12
ALZFAG18	3	2	19	ALZFAG71	3	2	62	C004P	11	8	14
ALZFAG19	3	2	20	ALZFAG72	3	2	62	CAP011P	11	8	9
ALZFAG20	3	2	21	ALZFAG73	3	2	62	CAP02P	11	7	16
ALZFAG21	3	2	22	ALZFAG74	3	2	62	CAP02P	11	8	11
ALZFAG22	3	2	23	ALZFAG75	3	2	62	CAP041P	11	8	13
ALZFAG23	3	2	24	ALZFAG76	3	2	62	DC5795-231	11	8	4
ALZFAG24	3	2	25	ALZFAG77	3	2	63	DC5795-383	11	8	6
ALZFAG25	3	2	26	ALZFAG78	3	2	64	DC5795-490SR1	11	8	3
ALZFAG26	3	2	27	ALZFAG79	3	2	65	DC5795-611WR4	11	8	2

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
DC5795-650R1	11	8	18	M336180	8	5	8	N1.12 (8.8G)	1	72	7
DC5795-660R1	11	8	5	M336190	8	5	9	N1.16	10	3	5
DC5795-702WR2	11	8	1	M336900	8	3	15 *	N1.16	10	4	5
DC5796-055	11	7	18	M630900	8	4	9	N1.24	10	2	58
DC5796-231	11	7	4	M6X20	10	2	27	N6.10	3	1	11
DC5796-611W	11	7	2	M8X10-8.8G	10	2	51	N6.10	10	2	63
DC5796-702W	11	7	1	M8X10-8.8G	10	4	10	N6.12	3	1	23
DC7290-231	7	3	4	M8X20	10	2	20	N6.12	4	1	24
DC7290-490	7	3	3	M8X20-10.9G	10	5	11	N6.12	10	5	6
DC7290-611	7	3	2	M8X25	10	2	59	OB.074.40.0.00	1	69	*8
DC7290-650	7	3	12	M910290	8	3	12	OB.074.40.0.01	1	69	*9
DC7290-693	7	3	5	M910290	8	4	10	OB.074.40.0.02	1	69	*10
DC7290-702W	7	3	1	M910290	8	5	10	OB.074.40.0.03	1	69	*11
DC796-490	11	7	3	M910540	8	4	8	OB.074.40.0.04	1	69	*12
F6.001.58.0.00	1	15	25	M910990	8	5	11	OB.074.40.0.05	1	69	*13
F6.001.58.0.00	1	15	31	M911420	8	1	16	OB.074.40.0.06	1	69	*14
F6.007.13.0.00	1	65	20	M911840	8	1	3	OM.074.40.0.00	1	69	*1
F6.007.34.0.00	1	14	4	M912750	8	3	23	OM.074.40.0.01	1	69	*2
F6.007.34.0.00	1	14	5	M914030	8	1	15	OM.074.40.0.02	1	69	*3
F6.007.35.0.00	1	15	5	M915680	8	1	8	OM.074.40.0.03	1	69	*4
F6.016.12.0.00	1	28	14	M915900	8	3	11	OM.074.40.0.04	1	69	*5
F6.561.20.0.00	1	58	1	M915900	8	4	11	OM.074.40.0.05	1	69	*6
FA008125105	11	8	15	M917220	8	3	3	OM.074.40.0.06	1	69	*7
FCW01P	11	8	10	M917260	8	3	2	OW.073.70.0.00	1	69	*15
FE10100	11	7	17	M917440	8	3	13	P1.03X15	8	1	21
FE10100	11	8	17	M917700	8	3	19	P1.04X35	10	6	12
FG0610000B	11	7	14	M917830	8	3	7 *	P1.05X60	10	6	16
FG10150010	11	8	16	M920880	8	4	6 *	P1.2X30	10	2	56
GEZ63E5	11	8	7	M922970	8	5	7 *	P1.2X30	10	5	13
ICE300F35S3	11	7	19	MISC-5260	10	1	11	P2.020.09.0.00	1	13	10
M301910	8	1	6	MISC-R-12260	9	2	4	PP10087	12	1	4
M310690	8	3	10 *	MISC-YL-5327	10	1	12	PP10409	3	1	1
M310700	8	3	22 *	MISC-YL-5328	10	7	1	PP10409	3	2	—
M310820	8	3	4	MP-1-111 REVB	9	1	15	PP10456	5	1	9
M311010	8	4	5 *	MSP 3/40	8	3	*	PP10532	8	1	5
M333931	8	3	21	MSP 3/49			x	PP10546	4	1	13
M333940	8	3	1 *	MSP 3/54	8	4	*	PP10562	9	1	28
M333950	8	3	5	MSP 3/63	8	5	*	PP10796	8	1	2
M333970	8	3	8	N1.06	9	1	31	PP10873	8	1	26
M334020	8	3	17 *	N1.06	9	1	36	PP10874	8	1	25
M334040	8	3	6	N1.08	1	71	9	PP10934	8	1	28
M334050	8	3	20	N1.08	1	73	29	PP10954	12	2	8
M334060	8	3	9 *	N1.08	9	1	7	PP10955	12	3	2
M334091	8	3	14	N1.08 (8.8G)	9	3	13	PP10956	12	3	3
M334101	8	3	18	N1.10	1	71	13	PP11081	11	1	20
M334110	8	3	16 *	N1.10	1	73	15	PP11082	4	1	16
M335601	8	4	1	N1.10	3	1	22	PP11117	12	1	5
M335611	8	4	7	N1.10	4	1	26	PP11181	11	1	6
M335620	8	4	2 *	N1.10	9	1	18	PP11283	1	73	1
M335630	8	4	3	N1.10 (8.8G)	1	72	5	PP11328	11	1	9
M335640	8	4	4 *	N1.10 (8.8G)	1	70	5	PP11392	10	1	13
M336161	8	5	3	N1.12	1	73	8	PP11424	11	28	1
M336170	8	5	6 *	N1.12	3	1	15	PP11424	11	28	

PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.	PART NO.	GP	FIG	S.NO.
PP11429	11	1	19	SP200S	11	8	a	W1.12	1	73	6
PP11533	4	1	1	SPR-2363.000	4	6	-	W1.12	3	1	14
PP11552	10	1	19	SPR-2363.000	5	6	—	W1.12	10	5	5
PP11554	5	1	1	SPY-2121.000	6	2	*	W2.05	9	3	10
PP11560	1	73	2	SR04005625T	7	3	9*	W2.06	9	1	32
PP11718	11	1	13	SR20015025C	11	8	b	W2.06	10	2	36
PP11721	11	1	12	SR22015025C	11	7	6*	W2.08	1	71	8
PP11748	12	1	3	SSI5015025C	11	7	5*	W2.08	1	73	28
PP11785	10	6	3	SW022G	7	3	10*	W2.08	9	3	14
PP11906	10	1	18	SW1250S	11	8	e	W2.08	10	2	17
S01205R	11	7	8*	SW150G	11	7	9*	W2.08	10	3	8
S01905R	11	7	7*	SX00C1064A0	9	1	16	W2.08	10	4	8
S1.06X15	9	1	30	V12.01.077.1	12	1	2	W2.10	1	70	6
S1.06x15	9	2	12	V12.06.028.4	9	1	26	W2.10	1	71	12
S1.08X25-8.8G	9	1	6	V12.07.001.0	11	1	10	W2.10	1	73	14
S1.08X30-8.8G	1	73	27	V12.11.008.1	1	73	12	W2.10	3	1	17
S1.08X35-8.8G	10	3	6	V12.11.008.1	3	1	24	W2.10	4	1	22
S1.08X35-8.8G	10	4	6	V12.11.014.1	1	73	20	W2.10	10	1	4
S1.10x20 (8.8G)	1	70	7	V12.11.014.1	6	1	1	W2.10	10	1	16
S1.10x20 8.8G	1	72	3	V12.12.002.0	1	71	1	W2.10	10	2	39
S1.10X20-10.9G	10	2	52	V12.12.802.0	1	71	2	W2.10	10	2	53
S1.10X30-10.9G	10	2	54	V12.13.001.0	9	2	3	W2.12	1	72	8
S1.10X30-8.8G	9	1	12	V12.13.002.0	9	2	5	W2.12	1	73	7
S1.10X35-8.8G	1	73	26	V12.13.0180.0	9	2	11	W2.12	3	1	13
S1.10X40-10.9G	10	2	62	V12.17.007.0	4	1	5	W2.12	4	1	19
S1.10x55 (8.8G)	1	70	4	V12.17.007.0	5	1	6	W2.12	10	6	10
S1.12X1.5X30	1	73	18	V12.17.008.0	4	1	6	W2.14	1	73	10
S1.12X1.75X20	4	1	18	V12.17.008.0	5	1	7	W2.16	10	2	12
S1.14X2X45	1	73	9	V12.17.009.0	4	1	4	W2.16	10	2	55
S1.16X60	10	3	4	V12.17.009.0	5	1	5	W2.16	11	24	6
S1.16X60	10	4	4	V12.29.004.0	9	3	12	W2.20	4	1	8
S1.20X65-12.8G	5	1	2	V12.29.061.0	9	3	5	W2.20	5	1	3
S502205625T	7	3	8*	V12.30.050.0	11	2	H12	X00R211120	11	5	16
S515015025C	11	8	g	V12.36.002.0	10	6	8	XANE230210	11	27	13
S8.12.X40-10.9	4	1	23	V12.37.001.0	10	6	5	XCIL128723	11	27	14
S8.16X120-10.9G	10	2	13	V12.37.008.0	10	2	49	XPIS228580	11	27	15
SB1201282R	11	7	13*	V12.37.009.0	10	2	64	XSUP220520	11	27	16
SB1201282R	11	8	d	V12.43.048.0	9	2	6	XTAP750240	11	5	19
SB1911200R	11	7	12*	V16.31.088.0	9	2	9	XTIR112420	11	5	3
SB191200112R	11	8	l	V16.31.088.0	9	3	18	Y.05.17.15.0	12	2	7
SDR-2371.000	11	7	20	V16.59.001.0	1	72	10	Y01.47.02.1	9	3	4
SDR-2373.000	11	25	—	V19.45.177.0	9	3	8	YCAR425310	11	5	17
SDR-2388.000	11	8	—	V19.49.028.0	8	1	14	YTAP528360-H	11	5	15
SDR-2473.000	4	1	*	V19.49.074.0	8	1	23	YTAP740210-H	11	5	18
SG150G	11	7	10*	V19.49.086.0	8	1	22				
SG150S	11	8	f	W1.06	9	2	13				
SIDR225301	11	5	14	W1.08	1	71	7				
SKIT025000	11	5	13	W1.08	9	1	8				
SO0224R	7	3	7*	W1.08	10	3	7				
SO0354R	7	3	6*	W1.08	10	4	7				
SO1205R	11	8	c	W1.10	1	71	11				
SO1905R	11	8	h	W1.10	1	72	4				
SP040V	7	3	11*	W1.10	3	1	10				
SP200G	11	7	11*	W1.10	9	1	19				



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