

Dear JCB Customer

Even if you have operated this type of equipment before, it is very important that your new machines operations and functions are explained to you by a JCB Dealer Representative following delivery of your new machine.

Following the installation you will know how to gain maximum productivity and performance from your new product.

Please contact your local JCB dealer if the Installation Form has not yet been completed with you.

Your Local JCB Dealer is:

OWNERS PARTS BOOK

320/45088

ENGLISH - 320/45088 - ISSUE 1 01 - MAY 20 M1> 100

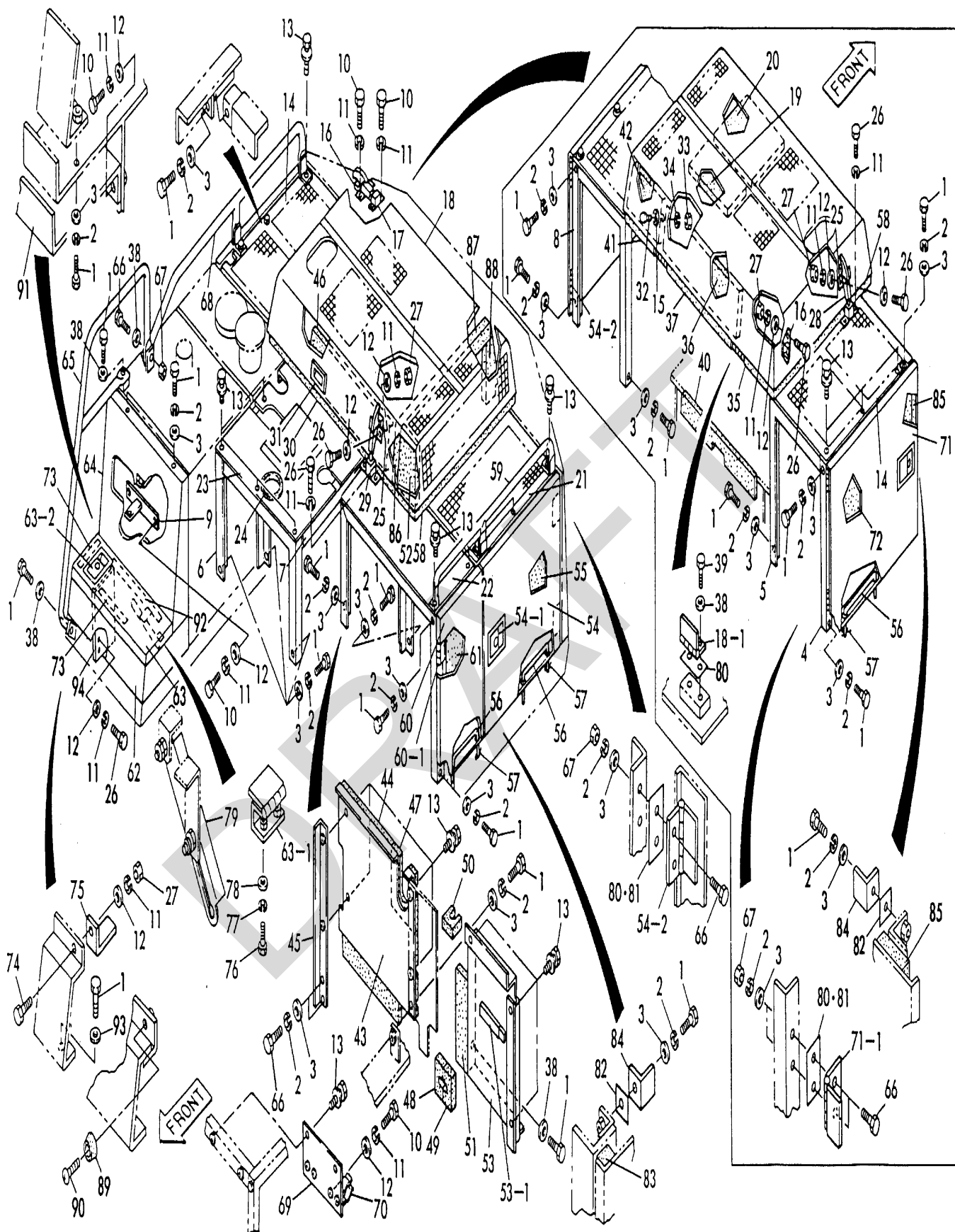
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A5-4-Range - Printed In England



Notes:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.



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ISSUE 1

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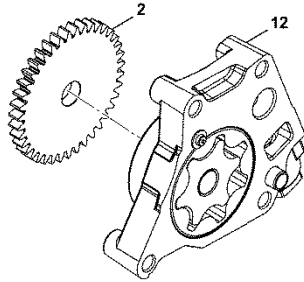
TITLE	PAGE NUMBER	CHANGE NUMBER
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- L01 ENGINE INSTALLATION
ASSEMBLIES
- L03 INDUCTION SYSTEM
- L04 ENGINE BLOCK & SUB
ASSEMBLIES
- L07 FAN INSTALLATION
ASSEMBLIES
- L08 FUEL SYSTEM



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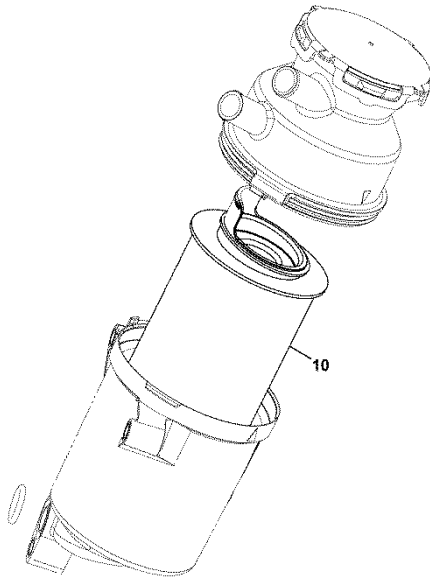


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
2	320/04301		Gear ,Oil Pump 39T. HCR		1
12	320/04187		Pump engine oil 55L		1

320-04186-6



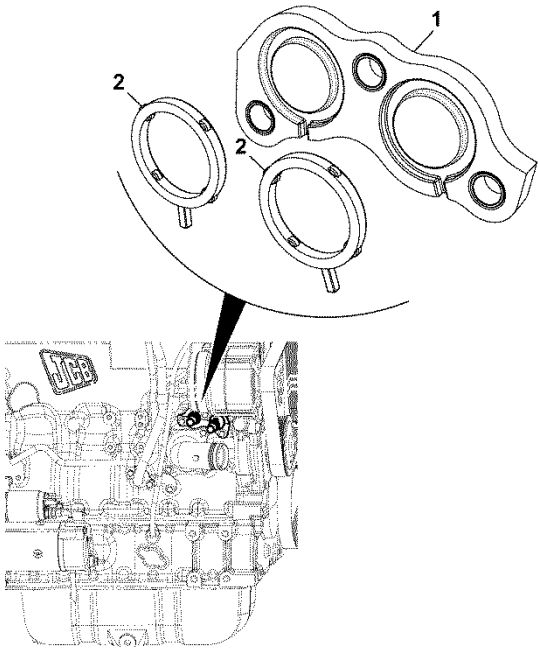
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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/07853		Element CCV filter		1



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320-04889-1

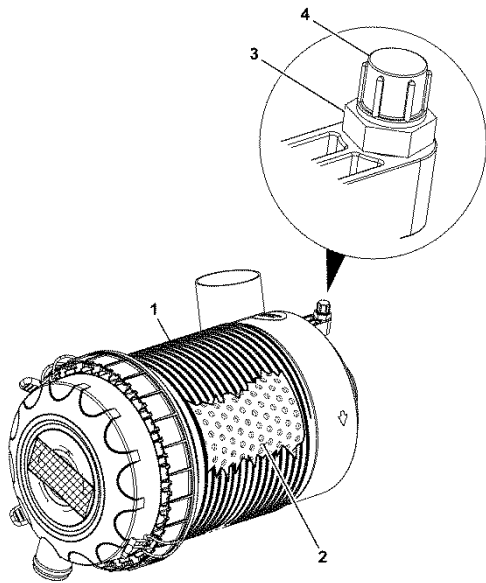
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/04826		Heater blanking plate		1
2	320/04820		Seal heater blanking plate		2



- L01** **ENGINE INSTALLATION ASSEMBLIES**
- **L03** **INDUCTION SYSTEM**
- L04** **ENGINE BLOCK & SUB ASSEMBLIES**
- L07** **FAN INSTALLATION ASSEMBLIES**
- L08** **FUEL SYSTEM**



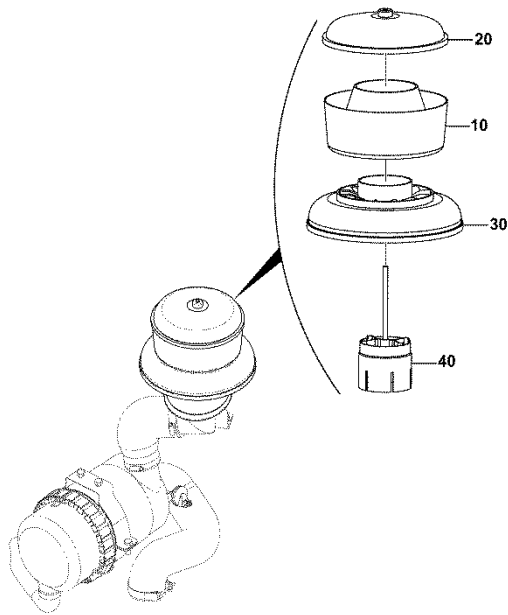
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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	400/01289		Element Main		1
2	400/01290		Element Secondary		1
3	400/01291		Adapter		1
4	400/01292		Plug		1



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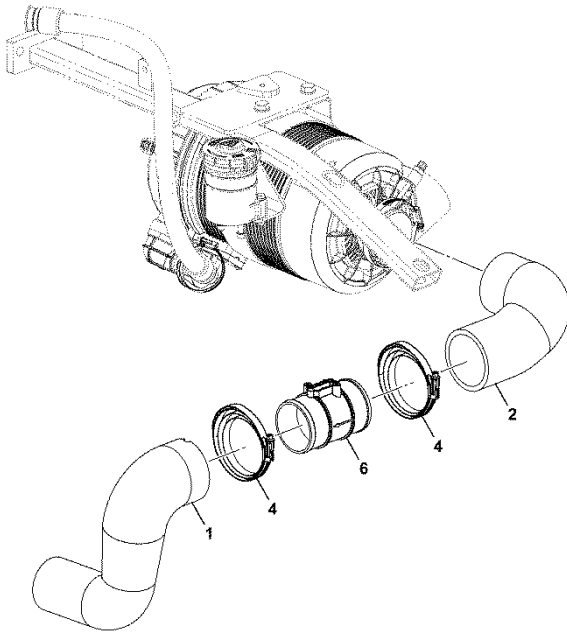


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	335/Y2896		Body Pre Cleaner		1
20	646/04449		Cover Pre Cleaner Top		1
30	334/Y2229		Base Pre Cleaner		1
40	646/04450		Stud Pre Cleaner		1

334-Y3440-1



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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	401/B9311		Hose Induction		1
2	401/B4812		Hose Induction		1
4	2206/7090		Clip Worm Drive Spring		2
6	320/A5601		Mounting Tube Assembly TMAF Sensor		1

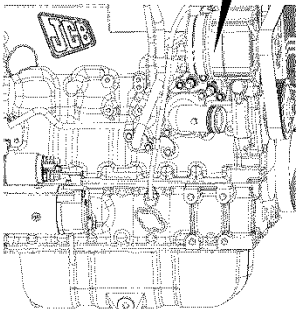
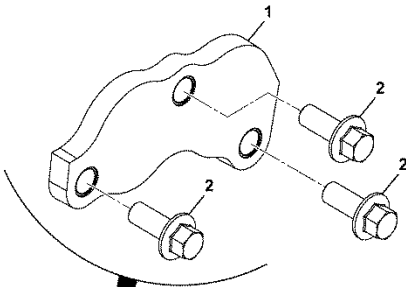


- L01 ENGINE INSTALLATION ASSEMBLIES
- L03 INDUCTION SYSTEM
- L04 ENGINE BLOCK & SUB ASSEMBLIES
- L07 FAN INSTALLATION ASSEMBLIES
- L08 FUEL SYSTEM



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	OPTION	USAGE CODE	QTY
	ing		1
	-90-1 in		
	-5-1 in		
	-1-1 in		
	-1-1 in		
	-10-1 in		
	1 M8 x		3



320-20988-1



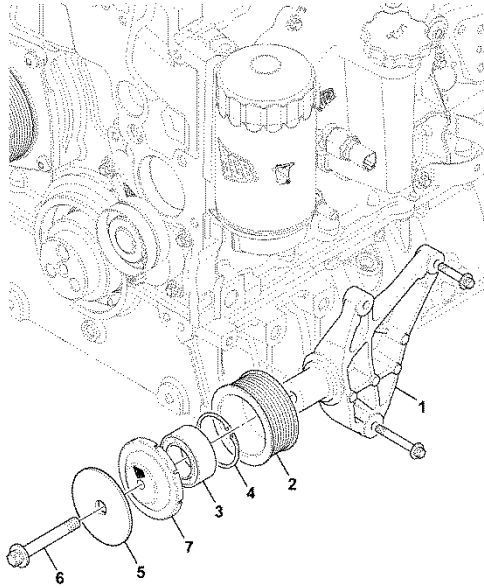
- L01 ENGINE INSTALLATION ASSEMBLIES
- L03 INDUCTION SYSTEM
- L04 ENGINE BLOCK & SUB ASSEMBLIES
- L07 FAN INSTALLATION ASSEMBLIES
- L08 FUEL SYSTEM



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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/08931		Idler Assembly Refer L730-1-1 in 9822/1330 Refer L730-5-1 in 9822/1335 Refer L730-10-1 in 9822/1465 Refer V730-10-1 in 9822/0225 Refer V730-3-1 in 9822/0925		1
2	320/A0607		Bolt Flanged Hex M8 x 35		2
3	320/A0608		Bolt Flanged Hex M8 x 45		1

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320-08724-1

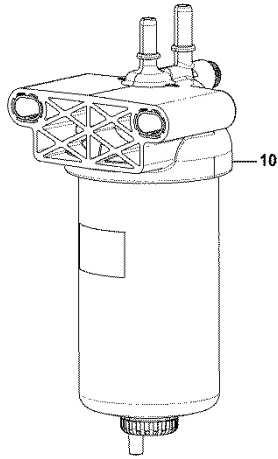
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1			Bracket Idler		1
2			Pulley Idler		1
3	320/08595		Bearing Idler Pulley		1
4			Circlip		1
5			Washer Idler Retaining		1
6			Bolt Flanged Head M10 x 50		1
7			Cover Dust Non AC Idler		1



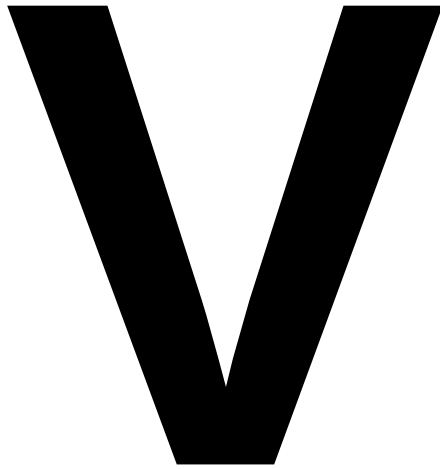
- L01 ENGINE INSTALLATION
ASSEMBLIES**
- L03 INDUCTION SYSTEM**
- L04 ENGINE BLOCK & SUB
ASSEMBLIES**
- L07 FAN INSTALLATION
ASSEMBLIES**
- L08 FUEL SYSTEM**



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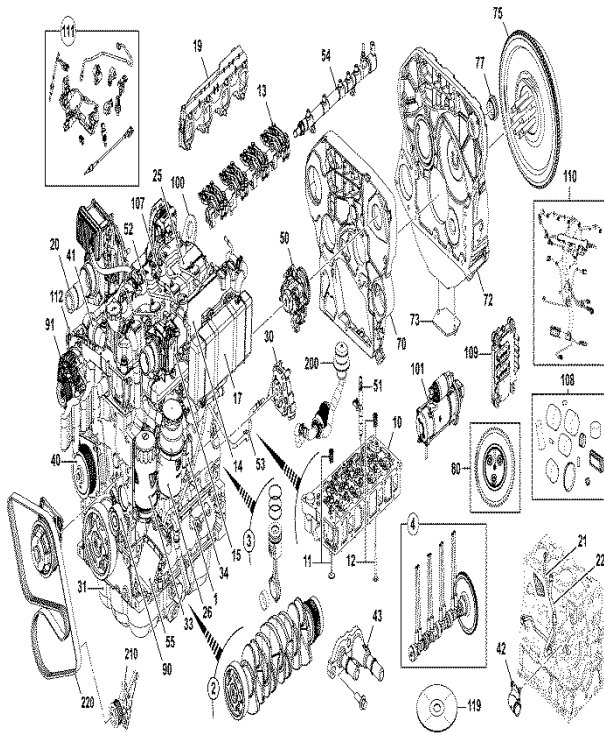


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7188		Element Fuel Filter		1

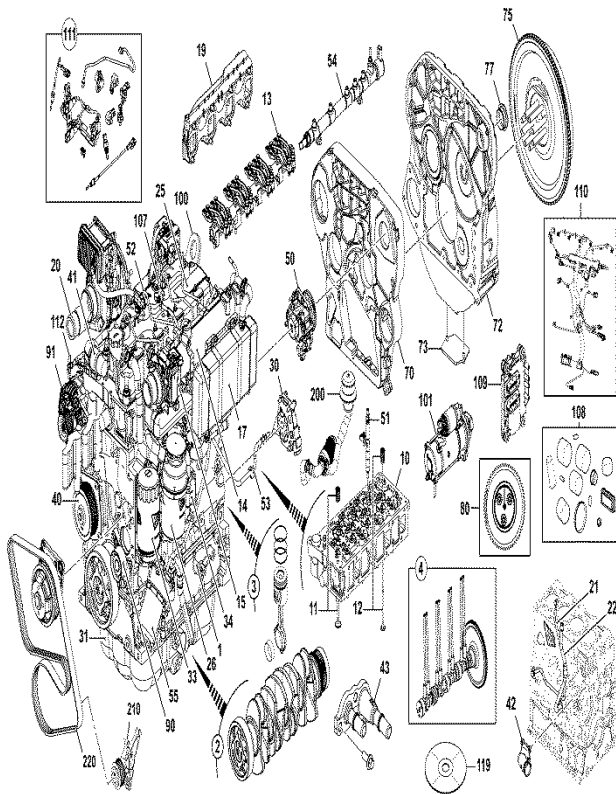


- V01 ENGINE ASSEMBLIES
- V02 CYLINDER HEAD & SUB-ASSEMBLIES
- V03 INDUCTION & EXHAUST SYSTEM
- V04 COOLING SYSTEM
- V05 LUBRICATION SYSTEM
- V06 FUEL SYSTEM
- V07 ENGINE
- V08 ANCILLARIES

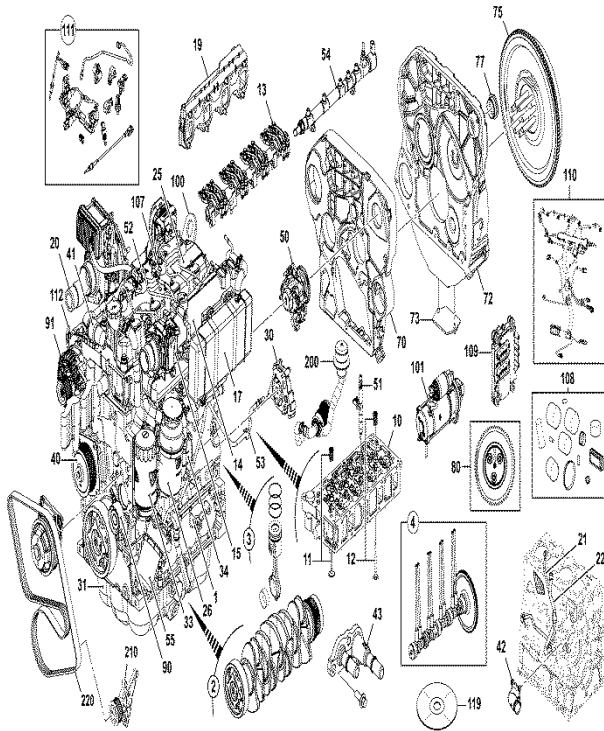
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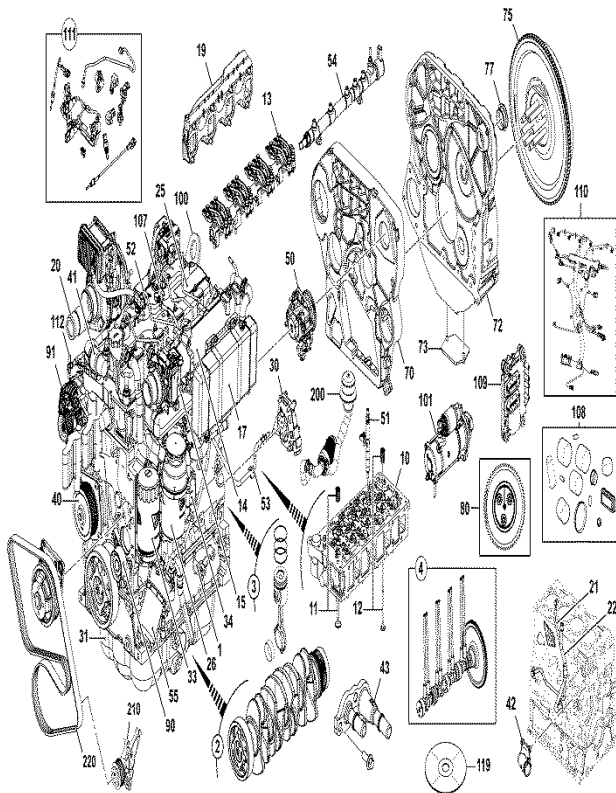
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
A	320/45088		Engine Assembly Complete, T4--055-12V		1
1	320/25383		Cylinder Block Assembly T4i		1
2	320/25384		Crankshaft Assembly		1
3	320/25385		Piston and Con Rod Assembly		4
4	320/25386		Camshaft Assembly		1
10	320/25405		Cylinder Head Assembly 4.4L		1
11			Valve Inlet Assembly Refer V220-15-1 in 9822/0470 Refer V220-1-1 in 9822/1835 Refer V220-1-1 in 9822/1045		8
12			Valve Exhaust Assembly Refer V230-25-1 in 9822/0470 Refer V230-1-1 in 9822/1835 Refer V230-1-1 in 9822/1045		8
13			Shaft Rocker Assembly Refer V240-1-1 in 9822/1835 Refer V240-1-1 in 9822/1045		1
14	320/25382		Manifold Inlet Assembly		1
15	320/25461		Blank Intake Heater Assembly		1
17	320/25443		Assembly Exhaust Gas Recirculation		1
19	320/25438		Exhaust Manifold Assembly		1
20	320/25396		Turbocharger Assembly K04		1
21	320/25397		Oil Feed Turbocharger		1
22	320/25395		Oil Drain Turbocharger		1
25	320/25381		Cover Rocker Assembly		1
26	320/25421		Canister Assembly CCV Open Loop		1
30			Pump Oil Refer V510-1-1 in 9822/1835 Refer V510-2-1 in 9822/1045 Refer V510-1-1 in 9822/0475 Refer V510-1-1 in 9822/0470 Refer V510-1-1 in 9822/0225		1



ITEM	PART NO	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
31			Oil Pan Assembly Refer V520-4-1 in 9822/1045 Refer V520-10-1 in 9822/1835 Refer V520-5-1 in 9822/0225		1
33	320/25380		Cooler Cover 6 plt		1
34	320/25387		Oil Filler Neck Assembly		1
40			Pump Water Assembly Refer V410-1-1 in 9822/0500 Refer V410-5-1 in 9822/0500 Refer V410-1-1 in 9822/1300 Refer V410-1-1 in 9822/0615 Refer V410-5-1 in 9822/0615		1
41			Thermostat assembly Refer V420-5-1 in 9822/0920 Refer V420-15-1 in 9822/0475 Refer V420-1-1 in 9822/0925 Refer V420-10-1 in 9822/0500 Refer V420-1-1 in 9822/1300		1
42			Water Inlet FWD Refer V430-20-1 in 9822/0470 Refer V430-1-1 in 9822/1835 Refer V430-1-1 in 9822/1045 Refer V430-2-1 in 9822/0225		1
43			Blank Assembly, Heater Refer V190-95-1 in 9822/0470 Refer V190-7-1 in 9822/0925 Refer V190-5-1 in 9822/0500 Refer V190-5-1 in 9822/1300 Refer V190-15-1 in 9822/0615		1
50	320/25409		Pump Fuel Lift Assembly DFP4.2		1
51	320/25410		Injector Assembly 600cc/min		4

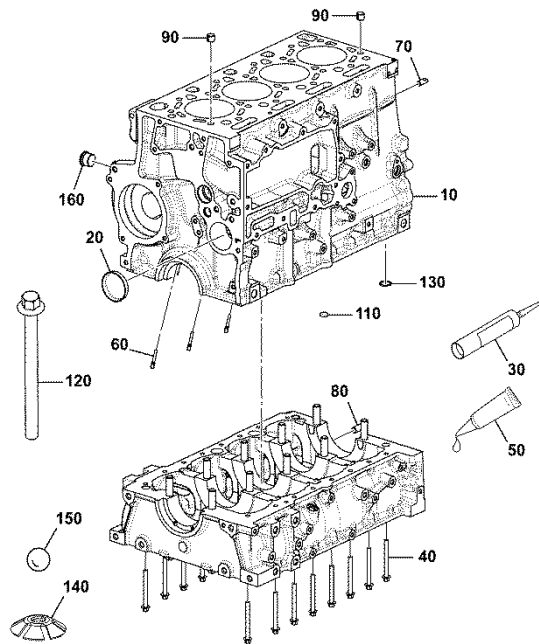


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
52	320/25496		Pipes HP Assembly with Dustcap		1
53	320/25394		Pipes Fuel, LP Assembly T4		1
54	320/25399		Fuel Rail Assembly		1
55	320/25400		Fuel Filter Assembly		1
70	320/25402		Gear Case Assembly G3		1
72	320/25403		Flywheel Housing Assembly FH4		1
73			Plate Flywheel Access Refer V181-1-1 in 9822/0470 Refer V181-1-1 in 9822/1835 Refer V180-1-1 in 9822/1045		1
75			Flywheel W300 T/C Refer V180-2-1 in 9822/1045		1
77			Plate FIP Cover Refer V170-5-1 in 9822/0470 Refer V170-1-1 in 9822/1045		1
80	320/20059		Gear Idler Assembly Refer V750-5-1 in 9822/0475 Refer V750-10-1 in 9822/0500 Refer V750-1-1 in 9822/1300 Refer W0-80-2 in 9812/8000 Refer V750-10-1 in 9822/0615		1
90			Adjuster Autotensioner Refer V710-20-1 in 9822/0500 Refer V710-3-1 in 9822/0920 Refer V710-5-1 in 9822/0925 Refer V710-4-1 in 9822/0225 Refer V710-5-1 in 9822/0475		1
91	320/25440		Alternator Assembly 12V 90A		1
100	320/25412		Bracket Lifting Assembly		1



ITEM	PART NO	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
101			Starter Motor 12v Refer V850-30-1 in 9822/0470 Refer V850-1-1 in 9822/1045 Refer V850-1-1 in 9822/1835 Refer V850-2-1 in 9822/0225		1
105	320/25511		Label Assembly Emission BSIII on BSIV H/W		1
106			Protection Engine Finish Refer V970-1-1 in 9822/0470 Refer V970-1-1 in 9822/0225 Refer V970-1-1 in 9822/0500 Refer V970-1-1 in 9822/0615		1
107	320/22467		Cover Injector Assembly		1
108	320/25449		Kit Protection Common		1
109			ECU Assembly Refer V860-1-1 in 9822/0925 Refer V860-40-1 in 9822/0475 Refer V860-1-1 in 9822/0500 Refer V860-1-1 in 9822/0615 Refer V860-20-1 in 9822/1300		1
110	320/25418		Harness Assembly BS IV 55KW		1
111	320/25423		Sensor Assembly BS IV		1
112	320/25414		Dipstick Assembly		1
119	320/25474		ECU Software Assembly T4--055-B1--IND		1
200	320/25514		Hose Assembly Airfilter Inlet T4--055-B1--IND		1
210			Idle Bracket Assembly Non-A/C Refer V730-10-1 in 9822/0615 Refer V730-5-1 in 9822/0225 Refer V730-1-1 in 9822/0470 Refer V750-30-1 in 9822/0470 Refer V730-5-1 in 9822/0925		1
220			Installation Front End Drive Refer V720-1-1 in 9822/1045 Refer V720-4-1 in 9822/0225		1

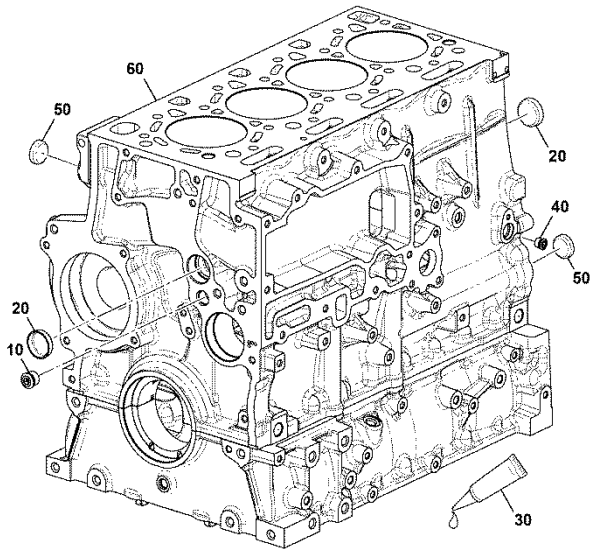
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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A1677		Block and Bedplate Assembly 444 T4		1
20	320/00895		Core Plug 62mm		1
30	320/00812		Sealant omnifit 100M core plugs		0
40	320/A0613		Bolt flanged M8 x 80mm g8.8		16
50	4102/4100		Adhesive Loctite		0
60	320/01722		Jet piston cooling		4
70	320/01582		Dowel Flat 10 x 2		1
80	320/01588		Dowel 12 X 25		1
90	320/02525		Dowel ring		2
100			Sealant path		1
110	320/00896		Core Plug 16MM		1
120	320/02038		Bolt M14 X 164 RE-FIT ONLY		10
130	320/01656		O Ring 20 x 25mm		1
140	320/B4135		Plug check valve m20x1,5		1
150	320/07765		Ball drain CCV		1
160	320/04082		Plug Zero Leak M18 x 1.5		1



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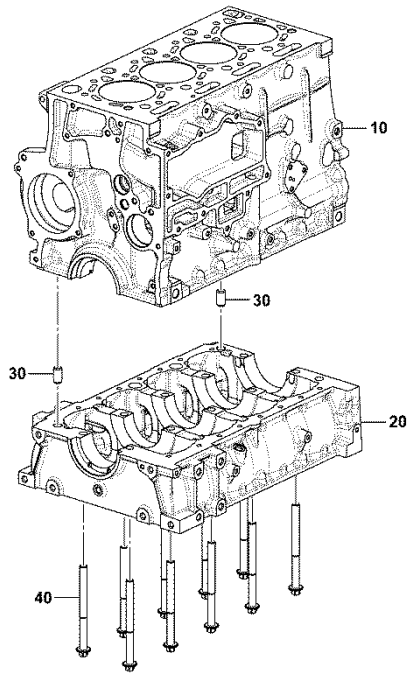


320-A16031

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/04082		Plug Zero Leak M18 x 1.5		1
20	320/00893		Core Plug 36mm dia		2
30	4101/0600		Sealant		0
40	320/04080		Plug M12 x 1.5 Zero Leak		1
50	320/00897		Core Plug 30mm dia		2
60	320/A1678		Bedplate BLOCK/BEDPLATE ROUGH ASSY 444 BLOCK/BEDPLT ROUGH ASSY 444 T4		1



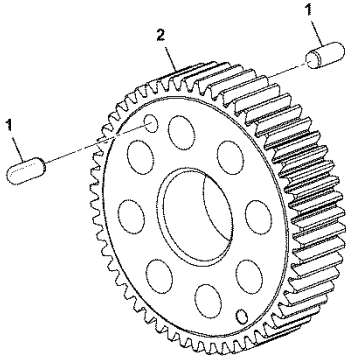
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A1679		Cylinder Block		1
20	320/A1697		Bedplate		1
30	320/01524		Dowel 16 X 30mm		2
40	320/02038		Bolt M14 X 164		10



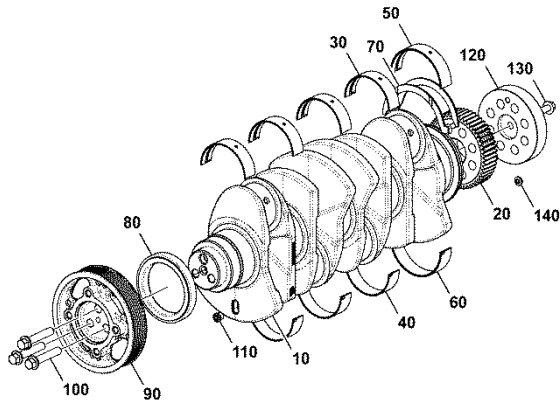
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	:2105/1405		Dowel pin		2
2	:320/03132		Gear Crankshaft Assembly Refer V130-3-1 in 9822/1045		1

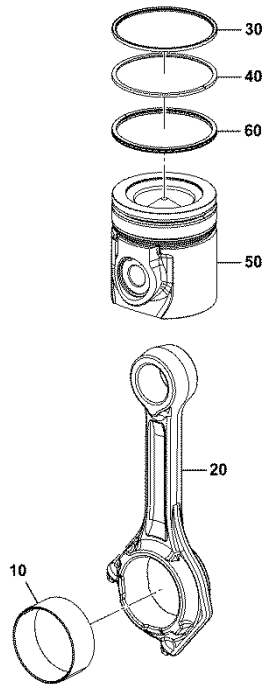
320-03132-2

320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A3232		Crankshaft 66MM Throw		1
20	320/03132		Gear Crankshaft Assembly Refer V130-3-1 in 9822/0925 Refer V130-5-1 in 9822/0475 Refer V130-5-1 in 9822/0500 Refer V130-1-1 in 9822/1300 Refer V130-1-1 in 9822/0615		1
30	320/03298		Bearing Main Upper std		4
40	320/03301		Bearing Lower Main std		4
50	320/03304		Bearing Upper Main Rear std		1
60	320/03307		Bearing Lower Main Rear std		1
70	320/03313		Washer Thrust Main		2
80	320/03119		Seal front oil		1
90	320/A3017		Pulley Crankshaft		1
100	320/A3066		Bolt M12 X 55		3
110	320/04080		Plug M12 x 1.5 Zero Leak		1
120	320/03099		Hub Flywheel		1
130	320/A0620		Bolt Flange Head M10 x 45 g8.8		1
140	320/09651		Crank sensor target wheel		1

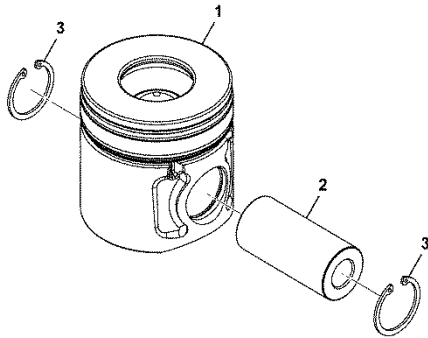
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/03310		Bearing big end std		2
20	320/03448		Rod Connecting		1
30	320/A3209		Piston ABI - 103mm		1
40	320/A3211		Piston Ring Top - 103MM		1
50	320/A3212		Piston Ring Middle- 103mm		1
60	320/A3213		Piston Oil 103mm		1



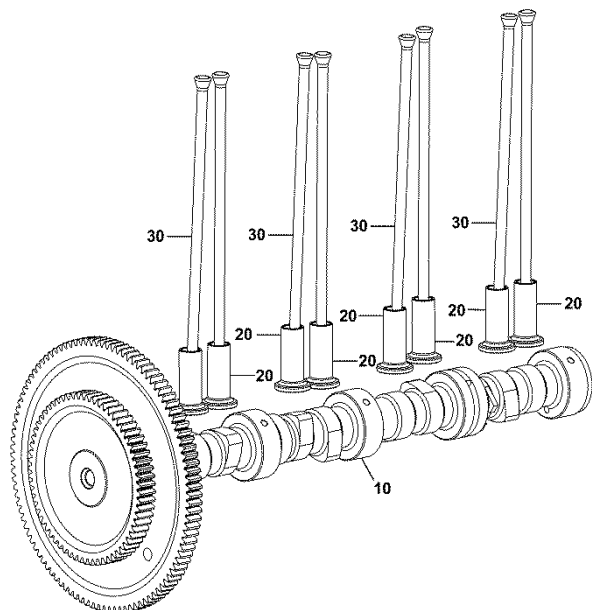
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/A3210		Piston Head 103mm		1
2	320/03391		Pin piston		1
3	320/03392		Circlip		2

320-03422-1

320/45088

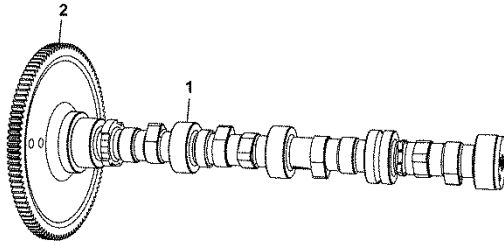


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A3224		Camshaft and Gear Assembly		1
20	320/03524		Tappet valve		8
30	320/03677		Rod push		8



320/45088

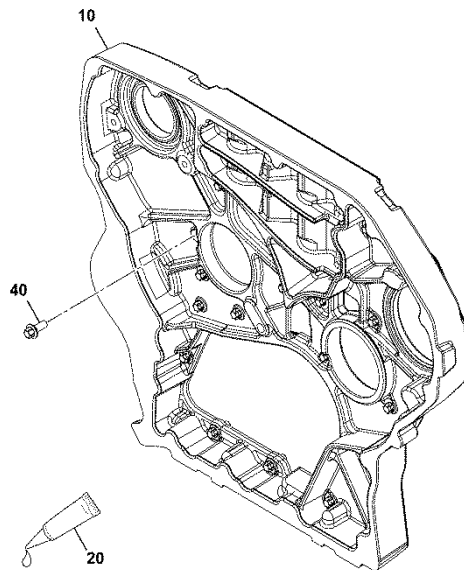
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/A3225		Camshaft Assembly		1
2	320/03628		Gear HCR camshaft 104T		1



320-03691-1



320/45088

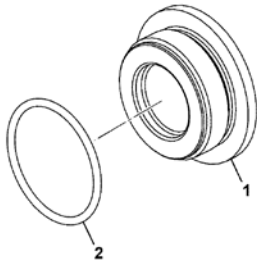


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/05430		Gear Case		1
20	4102/4100		Adhesive Loctite		0
30			Sealant Path - G/CAS		0
40	320/05129		Screw M8 X 20		19



320/45088

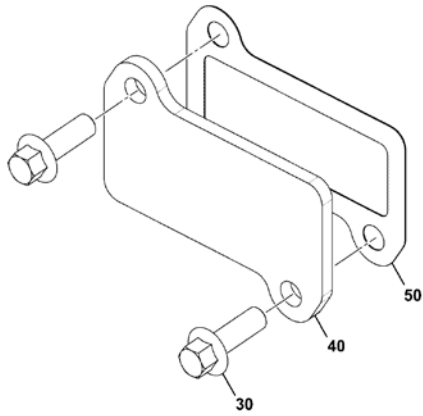
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
A			Plate FIP Cover		1
1	320/05246		Cover FIP Gear		1
2	320/05140		O Ring		1



320-25032-1



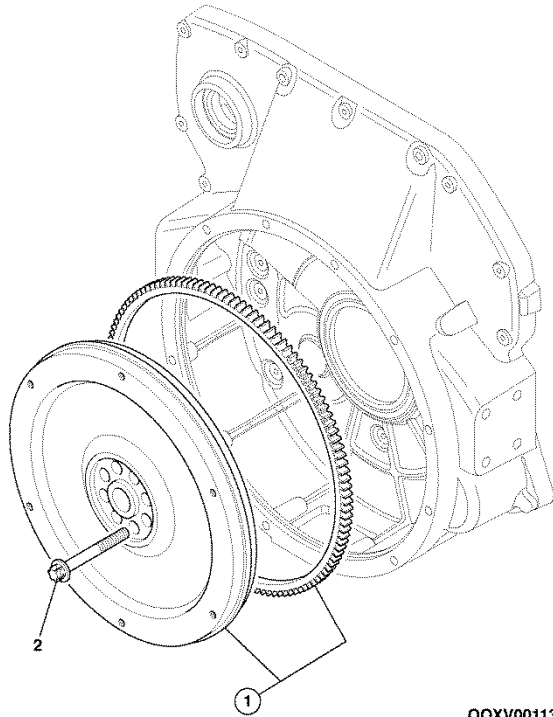
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
30	320/A0605		Bolt Flanged Hex M8 x 25 g8.8		2
40	320/B4567		Plate Blanking Air Heater		1
50	320/05559		Gasket		1



320/45088

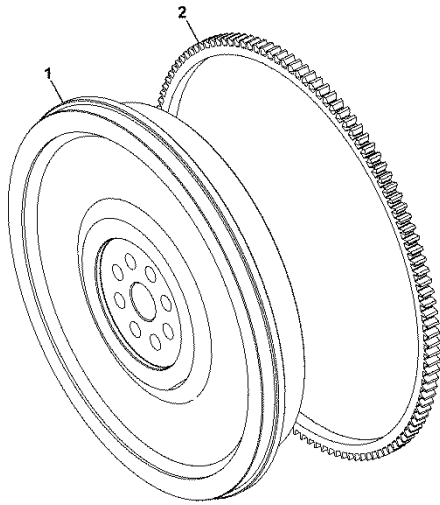


OOXV0011380

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/03394		Flywheel Assy. W300 Refer V180-6-1 in 9822/1045		1
2	320/03078		Bolt M14 X 108		8



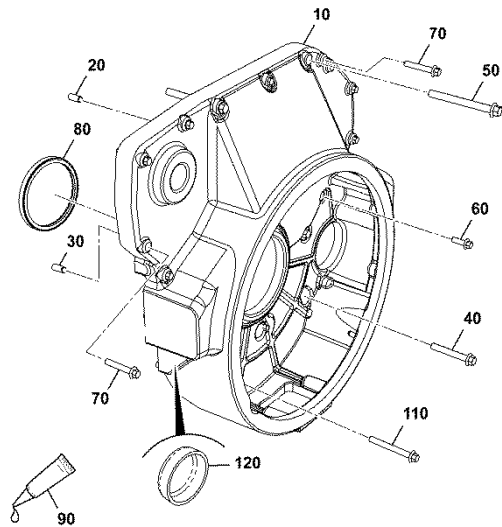
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/03397		Flywheel W300		1
2	320/03398		Ring Gear 122T		1

320-03140-2

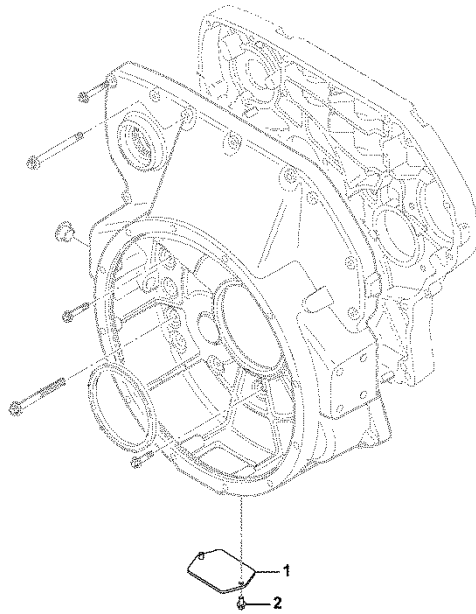
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/05432		Flywheel Housing Machining		1
20	320/01583		Dowel 10 X 25mm		1
30	320/01588		Dowel 12 X 25		1
40	320/A0623		Bolt Flanged Hex M10 x 70		4
50	320/A0624		Bolt Flanged Hex M10 x 100		2
60	320/A0605		Bolt Flanged Hex M8 x 25 g8.8		4
70	320/A0609		Bolt Flanged Hex M8 x 50		8
80	320/03029		Seal rear oil		1
90	4102/4100		Adhesive Loctite AS REQ.		0
100	320/05268		Sealant path		1
110	320/A0612		Bolt Flanged Hex M8 x 70 g8.8		1
120	320/00929		Core Plug 18mm		1



320/45088

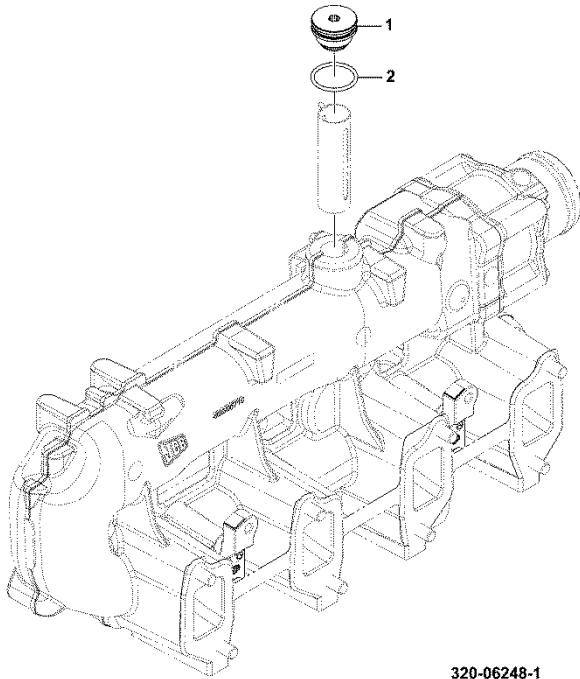


320-25030-1

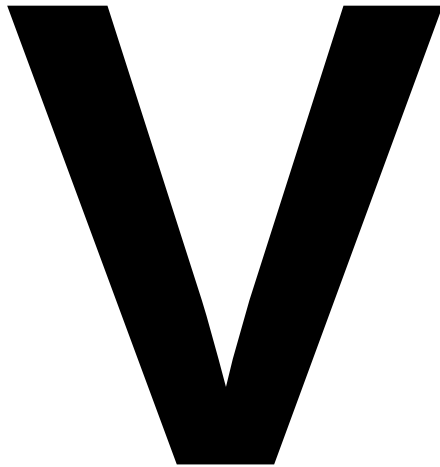
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/05026		Cover Access		1
2	1317/3303Z		Bolt flanged M8 x 16		2



320/45088



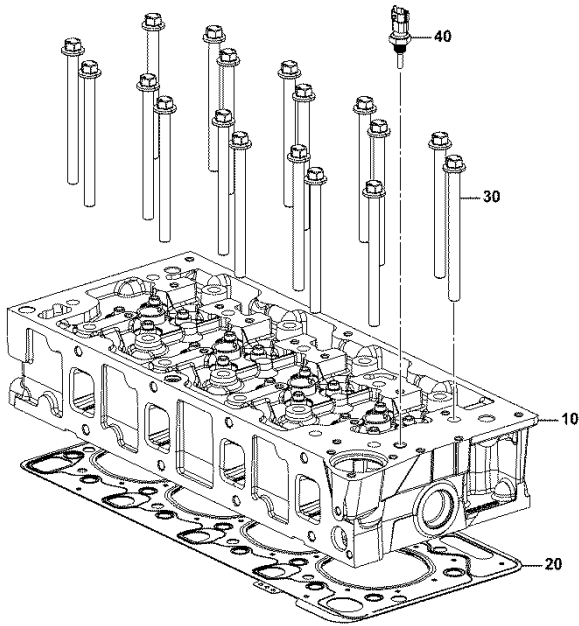
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/B6058		Plug EGR		1
2	320/06247		O Ring EGR		1



V01	ENGINE ASSEMBLIES
• V02	CYLINDER HEAD & SUB-ASSEMBLIES
V03	INDUCTION & EXHAUST SYSTEM
V04	COOLING SYSTEM
V05	LUBRICATION SYSTEM
V06	FUEL SYSTEM
V07	ENGINE
V08	ANCILLARIES



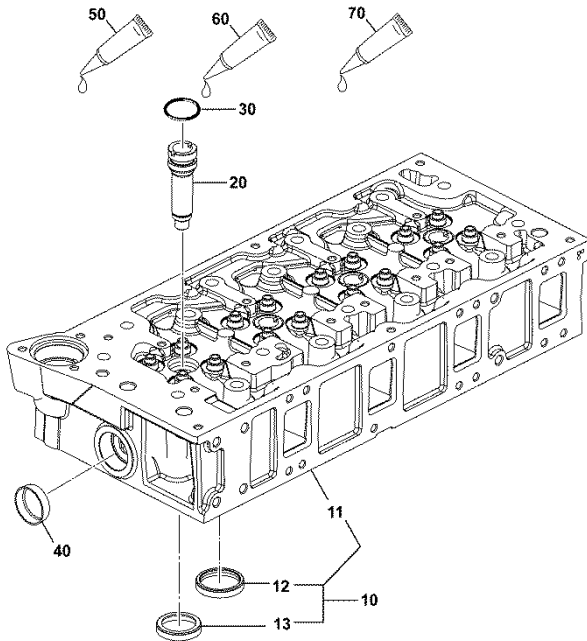
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A2529		Cylinder Head		1
20	320/02709		Gasket cylinder head		1
30	320/04555		Sensor Temperature coolant (2 pin)		1
40	320/02614		Bolt M12 X 140		18



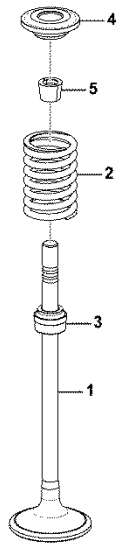
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A2530		Cylinder Head		1
11	:320/A2530		Cylinder Head		1
12	:320/02691		Seat Inlet Valve		8
13	:320/02756		Seat Exhaust Valve		8
20	320/02707		Injector Sleeve		4
30	320/02595		O Ring injector		4
40	320/00894		Plug 40mm		2
50	4101/0600		Sealant		0
60	320/00828		Sealant 620		0
70	320/00829		Lubricant O Ring P80		0



320/45088

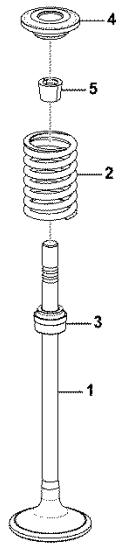


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/03520		Valve Inlet		1
2	320/03575		Spring Valve		1
3	320/03533		Seal valve stem		1
4	320/03689		Retainer valve spring		1
5	320/03528		Valve cotter		2

320-25133-1



320/45088

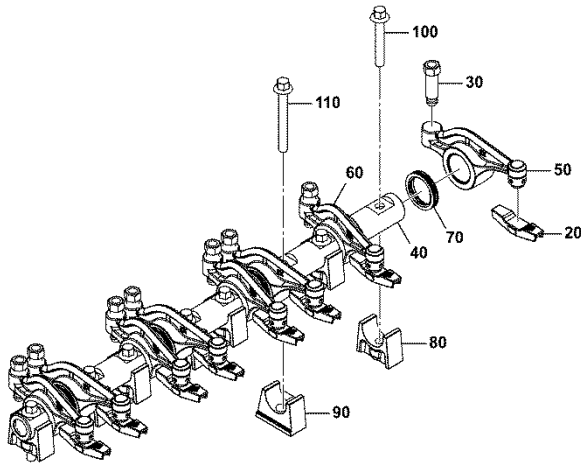


320-25133-1

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/03521		Valve Exhaust		1
2	320/03575		Spring Valve		1
3	320/03533		Seal valve stem		1
4	320/03689		Retainer valve spring		1
5	320/03528		Valve cotter		2



320/45088

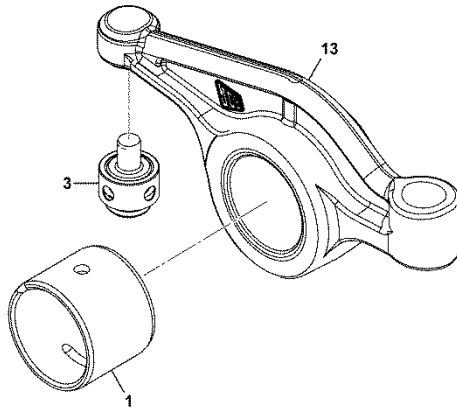


320-25007-6

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
20	320/03577		Bridge Piece		8
30	320/03511		Adjuster valve lash		8
40	320/03721		Shaft Rocker		1
50	320/03921		Arm Rocker - Exhaust Refer V240-65-1 in 9822/1300 Refer V240-10-1 in 9822/1835 Refer V240-30-1 in 9822/1045 Refer V240-35-1 in 9822/0920 Refer V240-30-1 in 9822/0925		4
60	320/03922		Arm Rocker - Inlet Refer V240-55-1 in 9822/1300 Refer V240-5-1 in 9822/1835 Refer V240-20-1 in 9822/1045 Refer V240-40-1 in 9822/0920 Refer V240-20-1 in 9822/0925		4
70	320/03523		Washer Spring		4
80	320/03587		Pedestal		7
90	320/03588		Pedestal		1
100	1317/3312Z		Bolt M8 x 50		7
110	1317/3315Z		Bolt Flanged Hexagonal, M8x65		1



320/45088

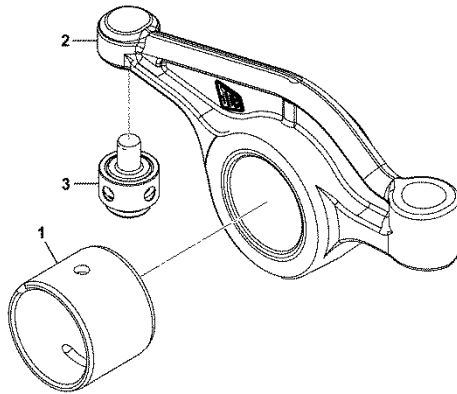


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1			Bush Rocker Arm		1
3	320/03645		Insert rocker arm		1
13	320/03924		Arm Rocker - Inlet		1

320-03775-3



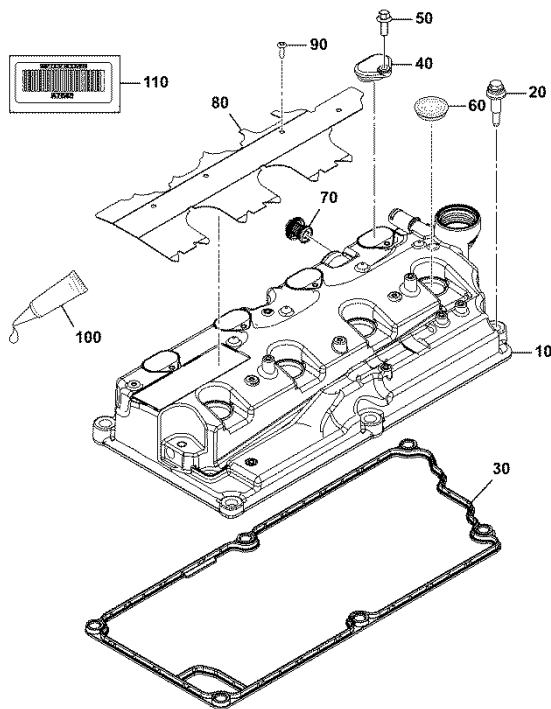
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1			Bush Rocker Arm		1
2	320/03923		Exhaust Rocker Arm		1
3	320/03645		Insert rocker arm		1

320-03724-1

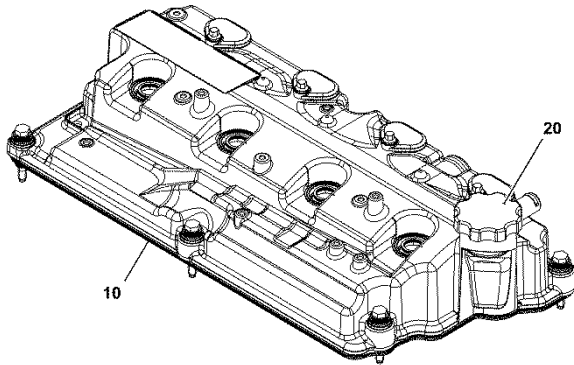
320/45088



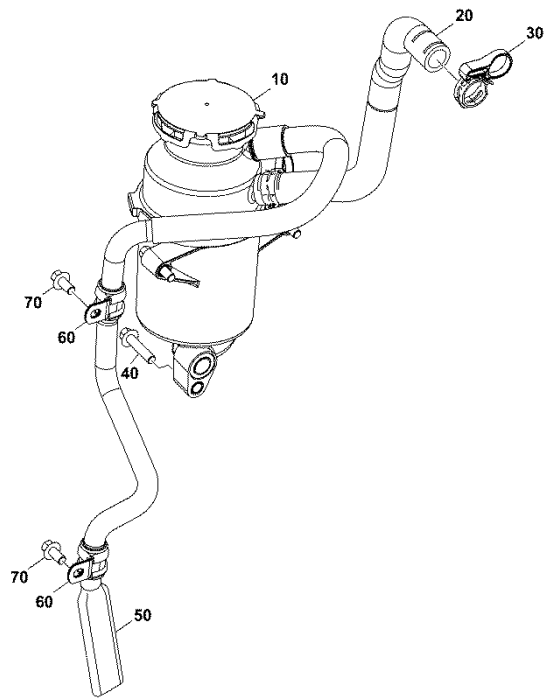
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7646		Cover Rocker		1
20	320/07640		Bolt Isolated 60m x M8 HEX Head		6
30	320/07580		Seal Rocker Cover		1
40	320/A7649		Cover Assembly Valve		4
50	826/11362		Screw Flange Head M6 x16mm		4
60	320/A7633		Seal Injector		4
70	320/07780		Valve relief CCV		1
80	320/A7652		Plate Closure		1
90	320/07609		Screw Torx Socket Pan Head M5 x12		4
100	320/00830		Sealant 5900 AS REQUIRED		1
110	320/A7648		Label Data R-Cover - BS4		1



320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7645		Cover Rocker Assembly		1
20	320/07752		Filler Cap Assembly Refer V530-95-1 in 9822/0470 Refer V530-10-1 in 9822/1835 Refer V530-3-1 in 9822/1045		1

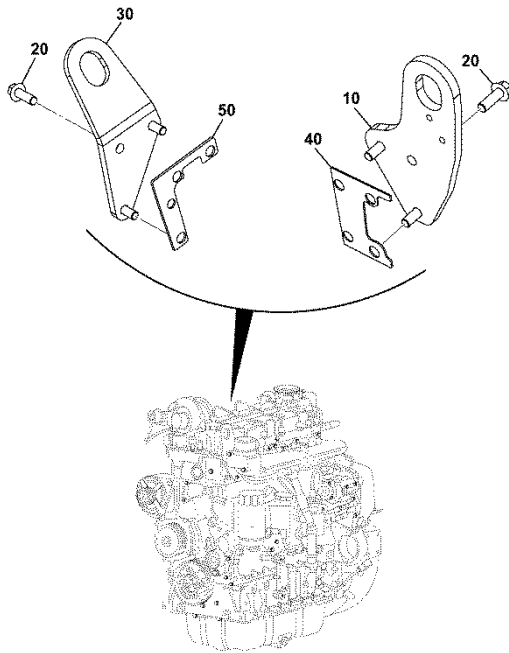


320/45088

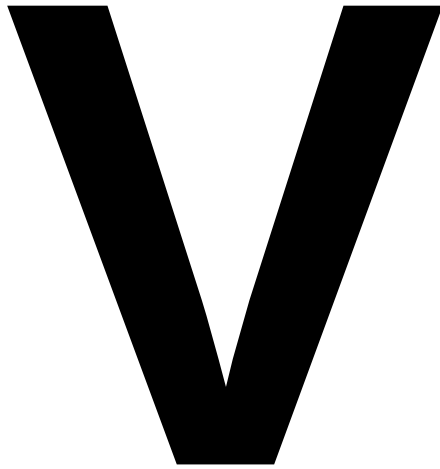
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/07735		Filter Assembly CCV Refer V260-3-1 in 9822/0925 Refer L190-1-1 in 9822/0475 Refer V260-30-1 in 9822/0500 Refer V260-5-1 in 9822/0500 Refer V260-1-1 in 9822/0615		1
20	320/A7706		Hose CCV		1
30	320/00911		Clamp Spring Band		2
40	1317/3309Z		Bolt flanged M8 X 35		3
50	320/07842		Pipe open loop vent		1
60	320/00944		P-Clip 18mm		2
70	1317/3303Z		Bolt flanged M8 x 16		2



320/45088

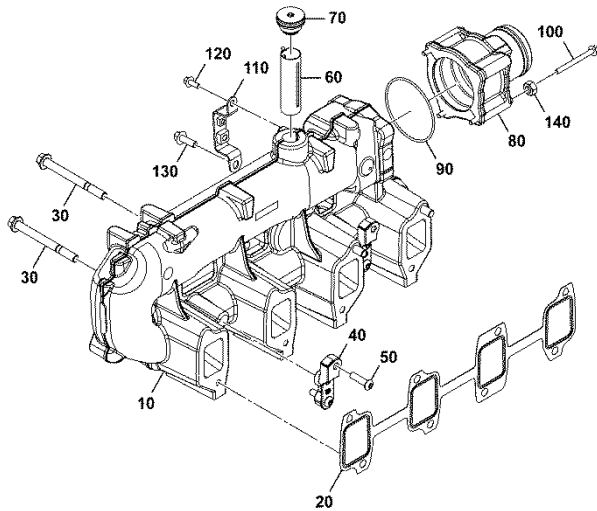


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/C9060		Bracket Lifting Eye Front		1
20	320/A0617		Bolt Flanged M10 x 30 TORQUE TO 47Nm		6
30	320/C9061		Bracket Lifting Eye Rear		1
40	320/B9097		Label Front Lifting Eye AFFIX TO CYLINDER HE		1
50	320/C9084		Label Rear Lifting Eye AFFIX TO CYLINDER HE		1



V01	ENGINE ASSEMBLIES
V02	CYLINDER HEAD & SUB-ASSEMBLIES
• V03	INDUCTION & EXHAUST SYSTEM
V04	COOLING SYSTEM
V05	LUBRICATION SYSTEM
V06	FUEL SYSTEM
V07	ENGINE
V08	ANCILLARIES

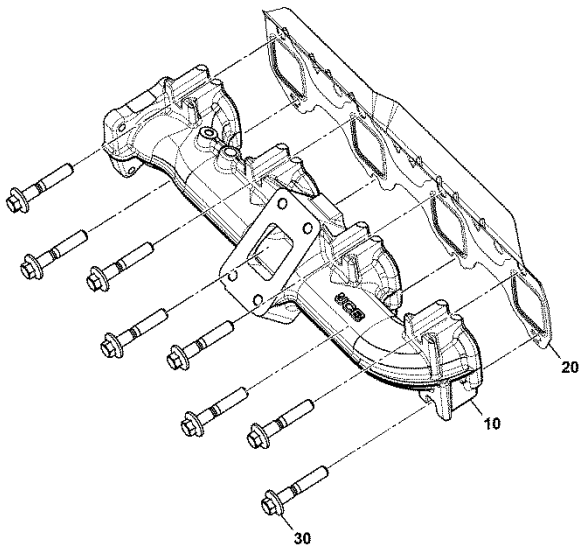
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A5531		Inlet Manifold		1
20	320/05650		Gasket inlet manifold		1
30	320/A5534		Bolt External flange hex M10 x 105 g8.8		8
40	320/A6653		Mount Fuel Rail		2
50	320/A0660		Screw M8X30 Hexalobuar		4
60	320/A5567		Tube EGR Mixer		1
70	320/B6057		Lock Plug Assembly EGR		1
80	320/A5535		Adapter Inlet Manifold		1
90	320/05924		O Ring 82X2.5		1
100	320/A0543		Stud M6X80X1 Symmetric ST		4
110	320/A0662		Bracket Inlet Manifold		1
120	320/A0598		Bolt flanged, M6 x 16		1
130	320/A0605		Bolt Flanged Hex M8 x 25 g8.8		1
140	320/A0544		Nut Locknut M6		4

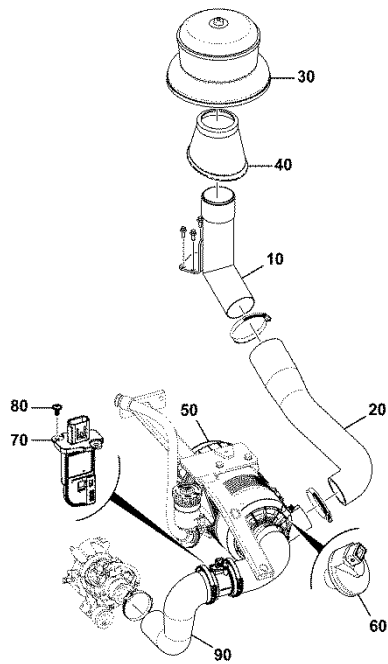


320/45088



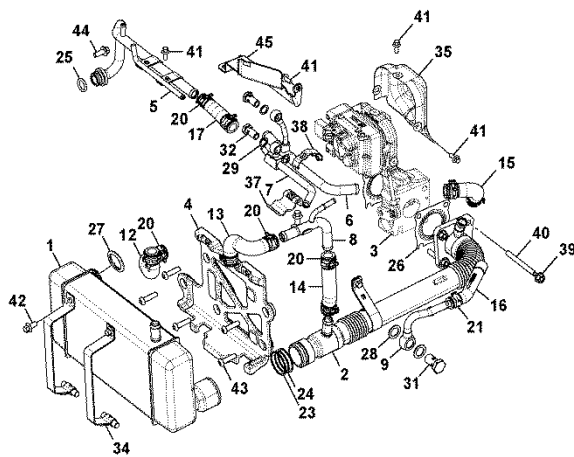
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B6026		Manifold Exhaust		1
20	320/06398		Gasket and heat shield		1
30	320/06045		Bolt M10 x 57		8

320/45088



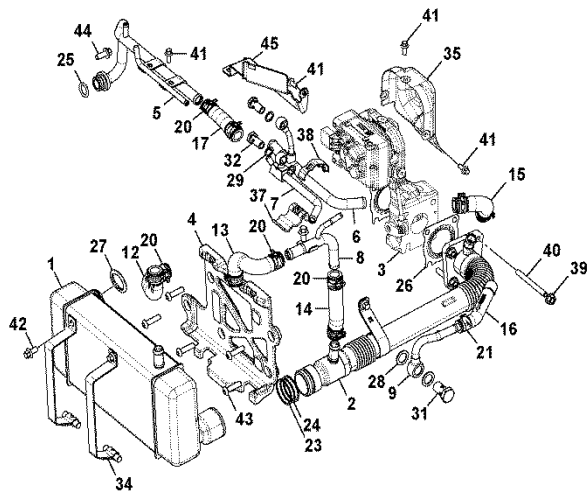
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	332/Y8521		Pipe Pre cleaner		1
20	401/A4984		Hose Bend		1
30			Cleaner Pre Assembly Refer L310-1-1 in 9822/1675		1
40	333/Y2108		Boot Air Precleaner		1
50	401/C4016		Air Filter Assembly		1
60	701/80458		Sensor Vacuum - 80Mbar		1
70	320/09687		Sensor TMAF, Straight		1
80	333/D4891		Screw Flange, Socket M4 x 8mm		2
90	401/C1446		Induction Hose Assembly		1

320/45088



320-21045-3

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/06165		Cooler EGR T4		1
2	320/06166		Cooler EGR T4		1
3	320/06168		Valve EGR Refer V800-5-1 in 9822/0925 Refer V370-1-1 in 9822/0475 Refer V370-1-1 in 9822/0500 Refer V370-1-1 in 9822/0615 Refer V370-1-1 in 9822/1300		1
4	320/06322		Bracket EGR cooler		1
5	320/A4956		Pipe Coolant Return to Head		1
6	320/A4961		Pipe Coolant Return Under ACT		1
7	320/A4966		Pipe EGR Actuator Feed		1
8	320/A4970		Pipe EGR Cooler Out		1
9	320/A4974		Pipe Rear of the Head		1
12	320/A4978		Hose EGR Cooler In		1
13	320/A4979		Hose EGR Cooler Out		1
14	320/A4980		Hose IEGR IN Cooler to X-OVER		1
15	320/A4981		Hose IEGR Cooler Out		1
16	320/A4982		Hose EGR Actuator Feed		1
17	320/A4983		Hose EGR Coolant Return		1
20	320/00902		Clamp Springband, 24mm Dia		10
21	320/00901		Clamp spring band		2
23	320/06218		Seal ring, laminar large		2
24	320/06219		Seal ring, laminar small		1
25	320/04886		O Ring		1
26	320/06198		Gasket EGR to manifold		2
27	320/06205		Seal EGR outlet lobe		1
28	320/B4369		Washer Copper M16-TYPE D		2

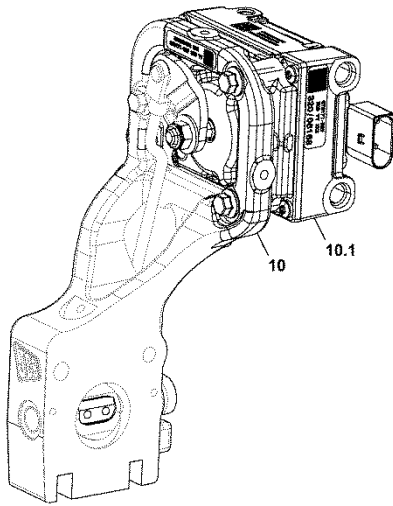


320-21045-3

ITEM	PART NO	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
29	320/B4371		Washer Copper M12-TYPE D		4
31	320/B4370		Bolt Banjo M16		1
32	320/B4372		Bolt Banjo M12		2
34	320/06227		Strap EGR cooler		2
35	320/06313		Shield EGR valve		1
37	320/A4988		Clamp Coolant Pipe		1
38	320/A4989		Strap Pipe Clamp		1
39	320/06008		Nut lock M8 special		4
40	320/A6017		Stud M8 x 80		4
41	320/A0598		Bolt flanged, M6 x 16		7
42	320/A0603		Bolt Flanged M8 x 16		4
43	320/A0660		Screw M8X30 Hexalobuar		5
44	320/A0604		Bolt Flanged Hex M8 x 20 g8.8		1
45	320/06485		Bracket Assembly Heat Shield		1

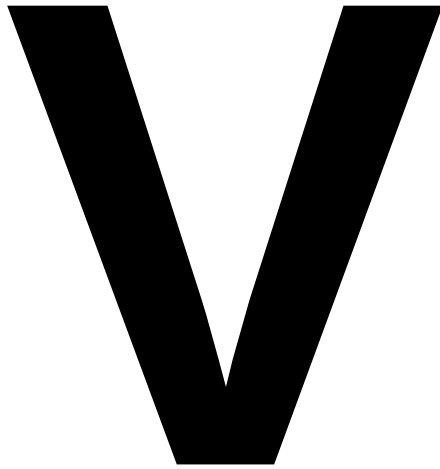


320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/06168		Valve EGR Includes item 10-1		1
10-1	:320/06315		Actuator Assembly		1

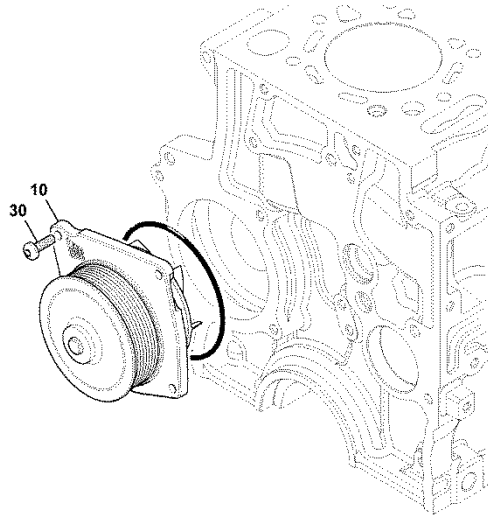
320-06168-1



V01	ENGINE ASSEMBLIES
V02	CYLINDER HEAD & SUB- ASSEMBLIES
V03	INDUCTION & EXHAUST SYSTEM
• V04	COOLING SYSTEM
V05	LUBRICATION SYSTEM
V06	FUEL SYSTEM
V07	ENGINE
V08	ANCILLARIES



320/45088

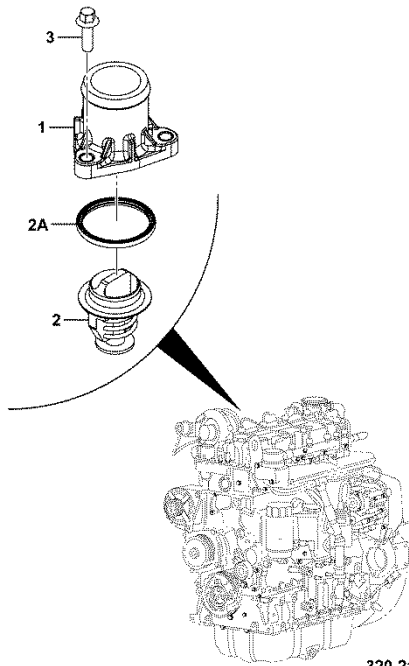


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A4904		Pump Water		1
30	320/04514		Screw pan head M8 x 25		4

320-20025-2



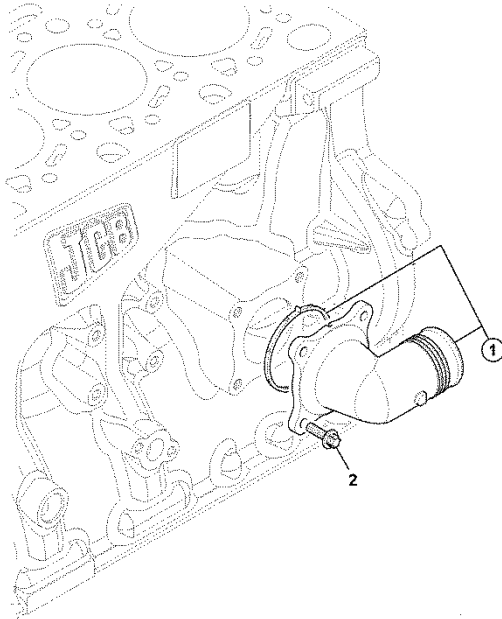
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/04890		Thermostat Housing		1
2	320/04907		Thermostat water ABI		1
2A	:320/04908		Seal -C		1
3	1317/3307Z		Bolt flanged M8 x 25		3



320/45088

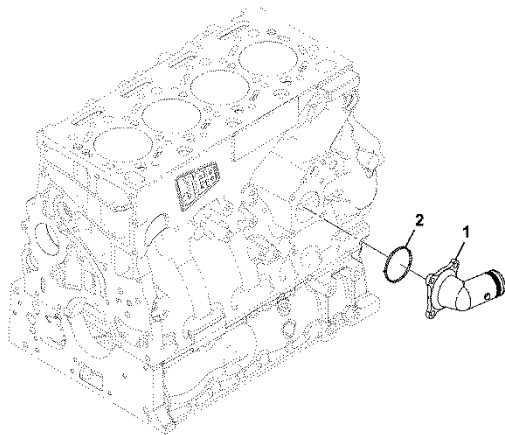


320-20027-3

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/04760		Water inlet Refer V430-25-1 in 9822/0470 Refer V430-5-1 in 9822/1835 Refer V430-2-1 in 9822/1045		1
2	320/05129		Screw M8 X 20		4

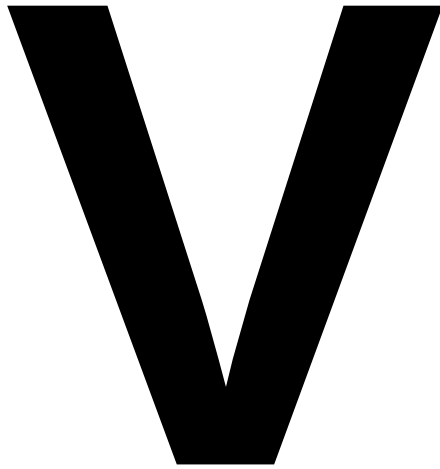


320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/04758		Connector Water Inlet		2
2	320/04501		Gasket water inlet pipe		2

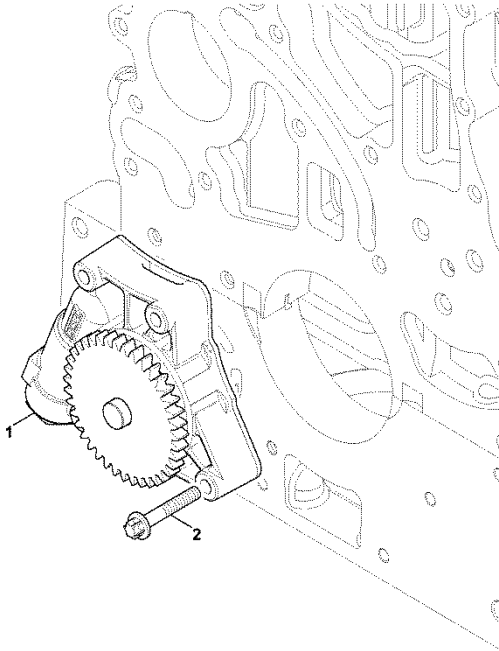
320-04547-1



V01	ENGINE ASSEMBLIES
V02	CYLINDER HEAD & SUB- ASSEMBLIES
V03	INDUCTION & EXHAUST SYSTEM
V04	COOLING SYSTEM
• V05	LUBRICATION SYSTEM
V06	FUEL SYSTEM
V07	ENGINE
V08	ANCILLARIES



320/45088

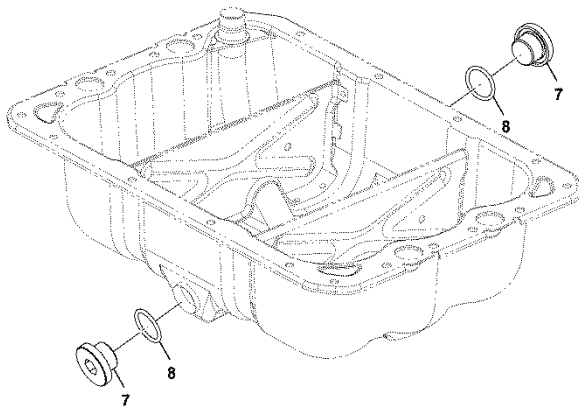


320-20020-6

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/04186		Pump oil HCR Refer V510-25-1 in 9822/0475 Refer V510-5-1 in 9822/0500 Refer V510-10-1 in 9822/0500 Refer V510-5-1 in 9822/1300 Refer V510-1-1 in 9822/0615		1
2	1317/3311Z		Bolt flanged hex M8 x 45		4



320/45088

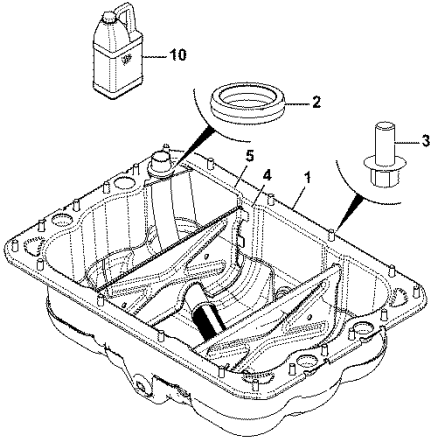


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
70	320/04035		Plug Drain		2
80	320/04146		O Ring		2

320-07934-1



320/45088

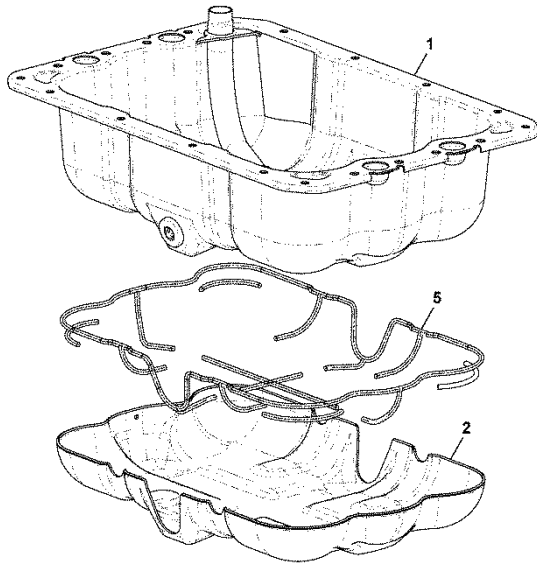


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/A4159		Oil Pan assembly Refer V520-2-1 in 9822/1045 Refer V520-5-1 in 9822/1835		1
2	320/04162		Seal oil-pick-up		1
3	1317/3303Z		Bolt flanged M8 x 16		20
4	4102/3700		Sealant OIL PAN TO BEDPLATE		0
5			Sealant oil sump FOR REF. ONLY		0
10			Oil Engine		1

320-25135-3



320/45088

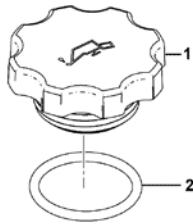


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/A4166		Oil Pan Assembly Refer V520-1-1 in 9822/1835 Refer V520-3-1 in 9822/1045 Refer V520-35-1 in 9822/1300 Refer V520-45-1 in 9822/0475 Refer V520-20-1 in 9822/0615		1
2	320/07961		Oil Pan Outer Skin		1
5	320/B4113		Adhesive HENKEL		1



320/45088

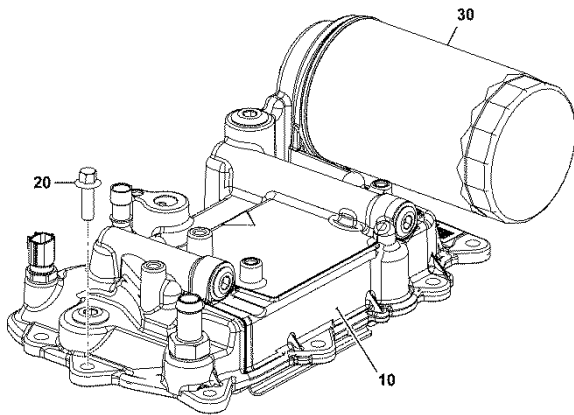
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/07753		Cap oil filler		1
2	320/07754		O Ring oil filler cap		1



320-07752-2



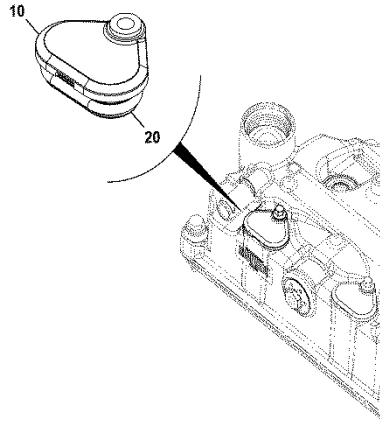
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B4272		Cooler Assembly Cover 6 PLT		1
20	320/A0605		Bolt Flanged Hex M8 x 25 g8.8		10
30	320/B4282		Filter Engine Oil		1

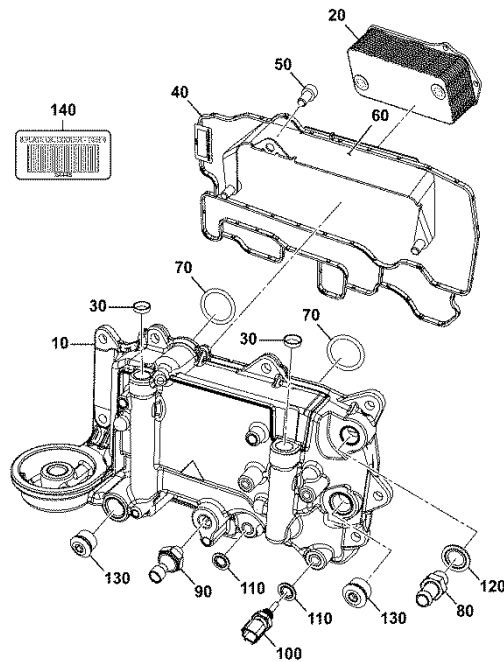


320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7650		Cover Valve Adjustment T3		1
20	320/04040		O Ring		1

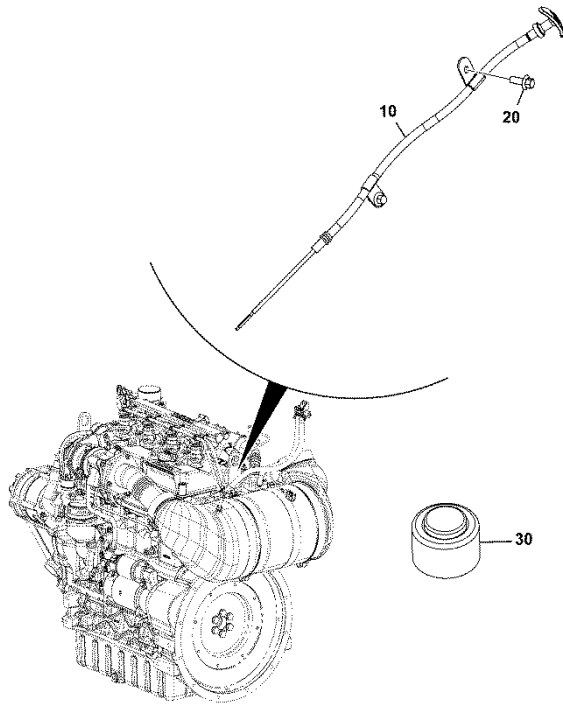
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B4273		Cooler Coverl Assembly		1
20	320/B4277		Plate Oil Cooler 6 Plate		1
30	320/04082		Plug Zero Leak M18 x 1.5		2
40	320/04409		Gasket cooler cover		1
50	320/B4278		Capscrew M8x16		4
60	320/B4279		Baffle		1
70	320/04040		O Ring		2
80	320/B4280		Connector - Coolant		1
90	320/A4470		Switch Oil Pressure		1
100	320/04084		Sensor oil temperature		1
110	320/04521		Seal Bonded		2
120	320/00906		Washer bonded, M18		1
130	320/04078		Plug M22 x 1.5 ZL		2
140	320/B4281		Label Indenty 6 Plate		1



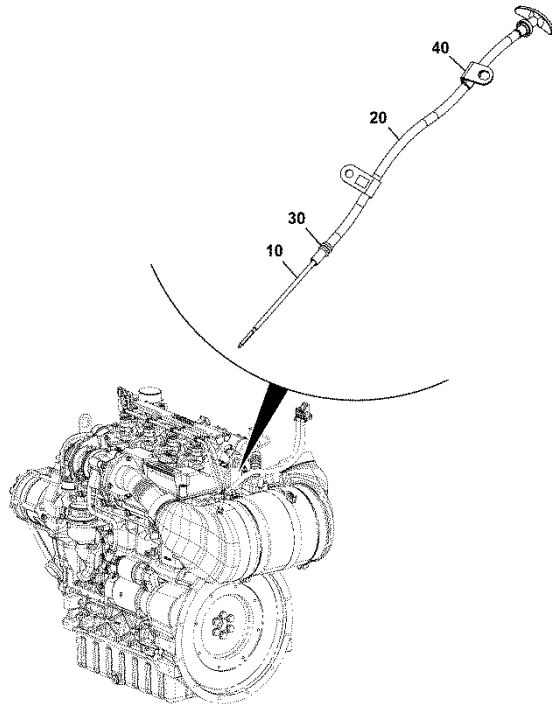
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/C9067		Dipstick Assembly Rear 2.5 Hot 3 Deg		1
20	320/A0603		Bolt Flanged M8 x 16		2
30	320/00903		Plug sealing		1

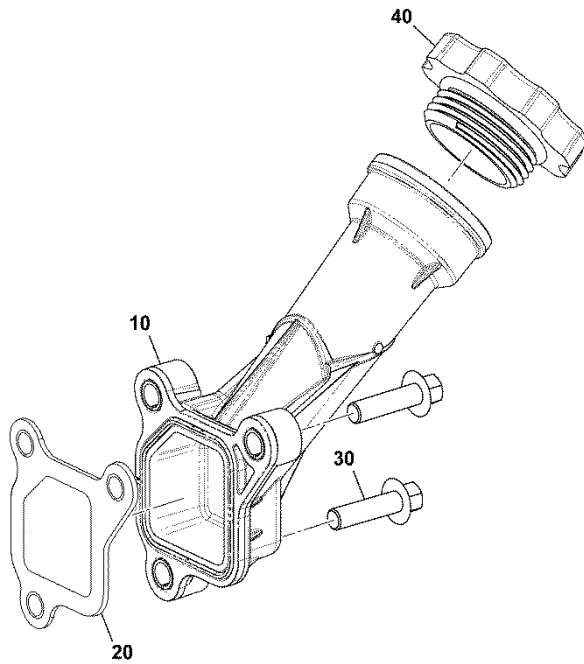


320/45088

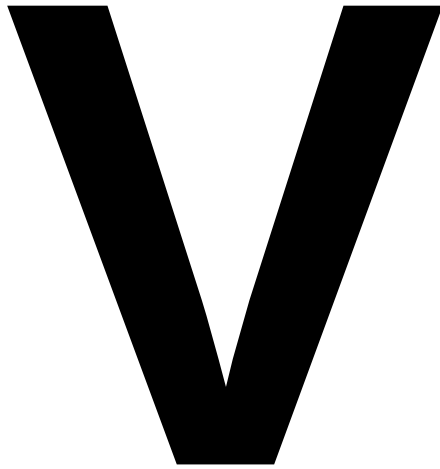


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/C9068		Blade Assembly		1
20	320/C9073		Tube Assembly Dipstick		1
30	320/C9076		O Ring		2
40	320/C9077		Bracket Dipstick		1

320/45088



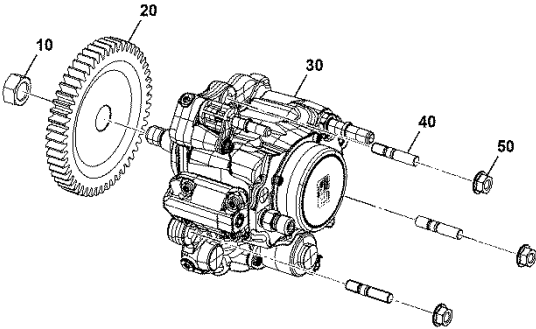
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B4320		Oil Filler Neck		1
20	320/04421		Gasket oil fill		1
30	320/A0604		Bolt Flanged Hex M8 x 20 g8.8		3
40	320/07752		Filler Cap Assembly Refer V530-95-1 in 9822/0470 Refer V530-10-1 in 9822/1835 Refer V530-3-1 in 9822/1045		1



V01	ENGINE ASSEMBLIES
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• V06	FUEL SYSTEM
V07	ENGINE
V08	ANCILLARIES



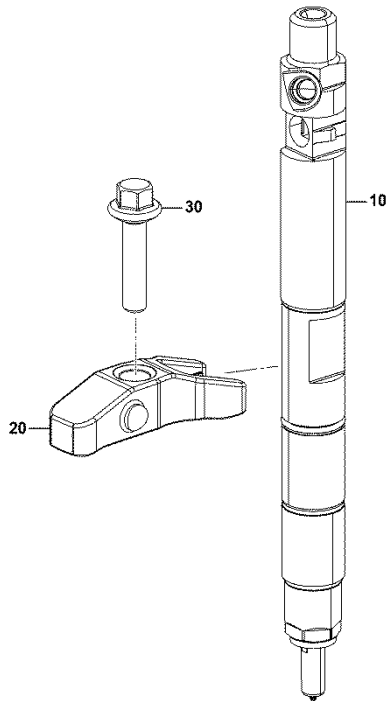
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/06577		Nut M14		1
20	320/06637		Gear injection pump 52T		1
30	320/06825		Pump fuel injector DFP4.2		1
40	320/05663		Stud 8 x 41mm		3
50	320/06564		Nut M8 Flange Head		3



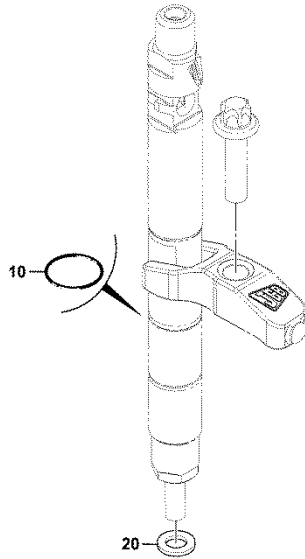
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A6655		Injector Assembly DFI2.5-600cc/min		1
20	320/A6656		Injector Clamp		1
30	320/A0780		Bolt Injector Clamp M8X29 g10.9		1



320/45088

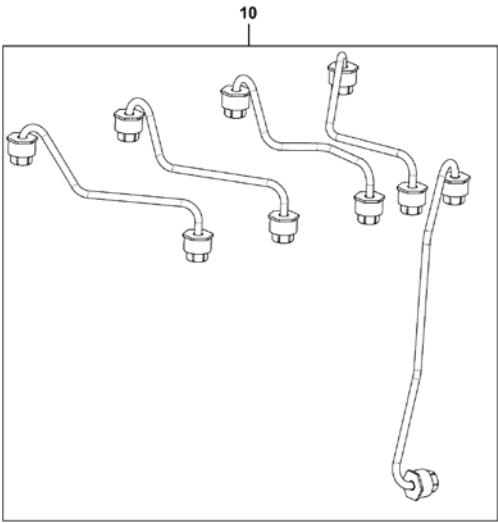


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/06639		Washer fuel injector		1
20	320/06831		O Ring Injector DFI2		1

320-06827-3



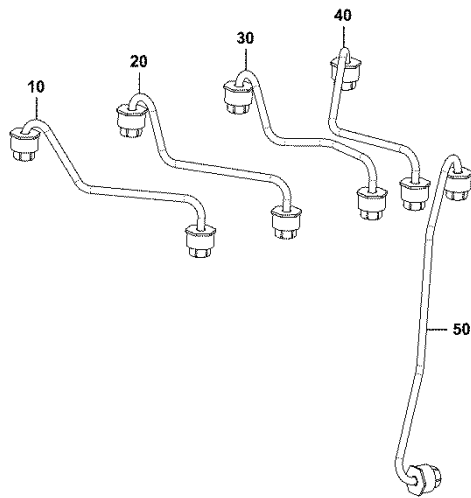
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A6684		Pipes HP ABI With Dust Cap		1



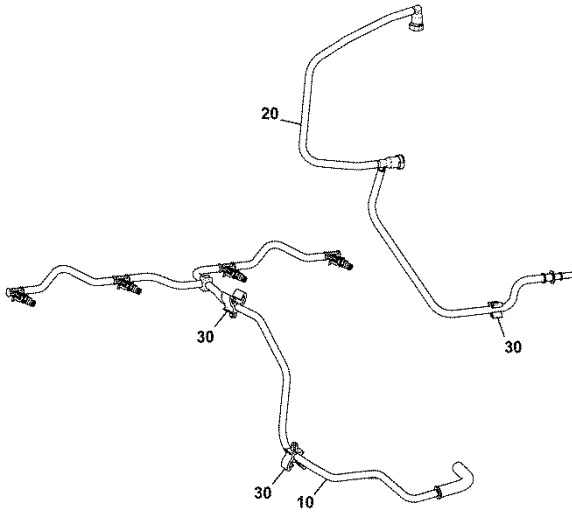
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A6679		Pipe HP 1 With Dust Cap		1
20	320/A6680		Pipe HP 2 With Dust Cap		1
30	320/A6681		Pipe HP 3 With Dust Cap		1
40	320/A6682		Pipe HP 4 With Dust Cap		1
50	320/A6683		Pump HP Pipe With Dust Cap		1



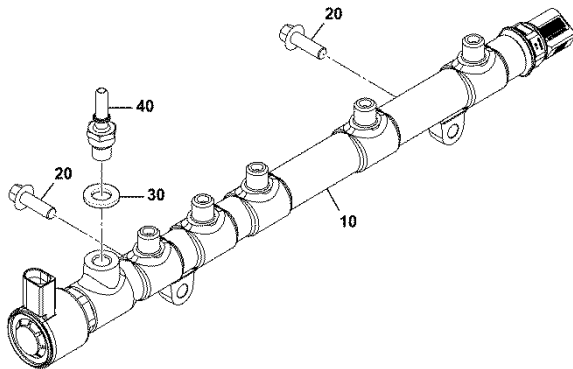
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/07355		Pipe leak back assembly		1
20	320/A7215		Pipe Tank Assembly T4-FOR RFQ		1
30	320/A7192		Clip Pipe 10mm		1



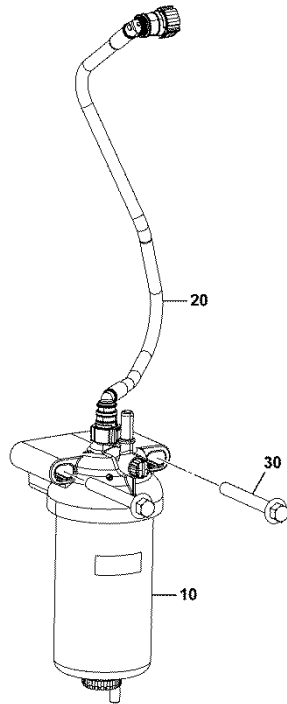
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A6657		Fuel Rail Microdrilled		1
20	320/A0605		Bolt Flanged Hex M8 x 25 g8.8		2
30	823/00372		Washer Copper M12		1
40	320/A6666		Connector Fuel Return		1



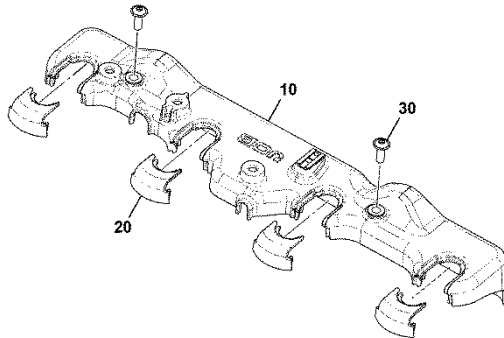
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7264		Assembly Fuel Filter		1
20	320/A7268		Pipe low Pressure Filter to Pump		1
30	320/A0645		Bolt Flanged HEX M10 x 80 g8.8		2



320/45088

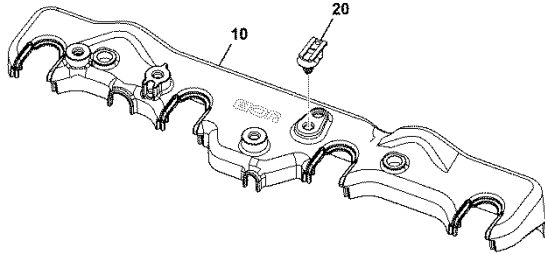


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7685		Cover Injector		1
20	320/07785		Insert injector cover		4
30	826/01559		Screw , Socket Flanged		2



320/45088

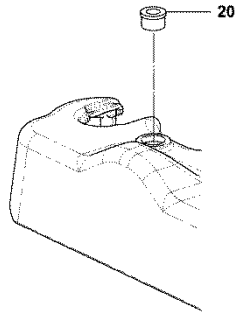
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A7257		Cover Injector		1
20	7243/0258		Clip		1

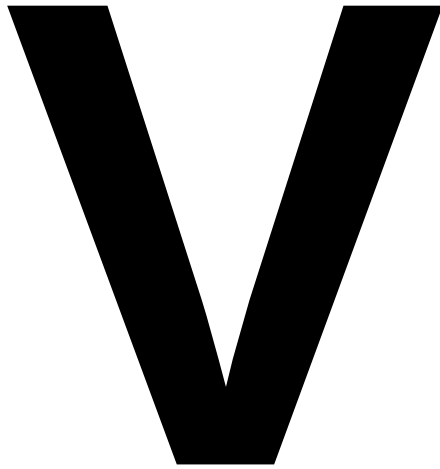




320/45088

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
20	320/07788		Plug Spirol		1

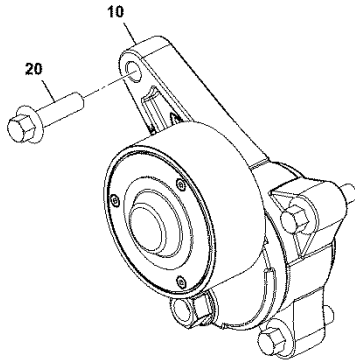




V01	ENGINE ASSEMBLIES
V02	CYLINDER HEAD & SUB- ASSEMBLIES
V03	INDUCTION & EXHAUST SYSTEM
V04	COOLING SYSTEM
V05	LUBRICATION SYSTEM
V06	FUEL SYSTEM
• V07	ENGINE
V08	ANCILLARIES



320/45088

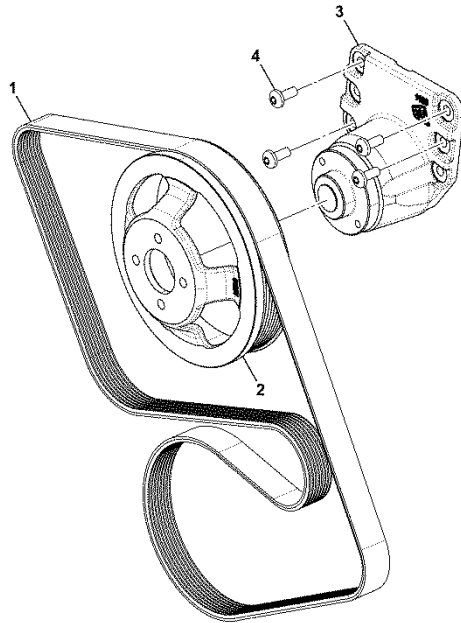


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A8586		Tensioner Auto		1
20	1317/3308Z		Bolt M8 x 30		3

320-21585-1



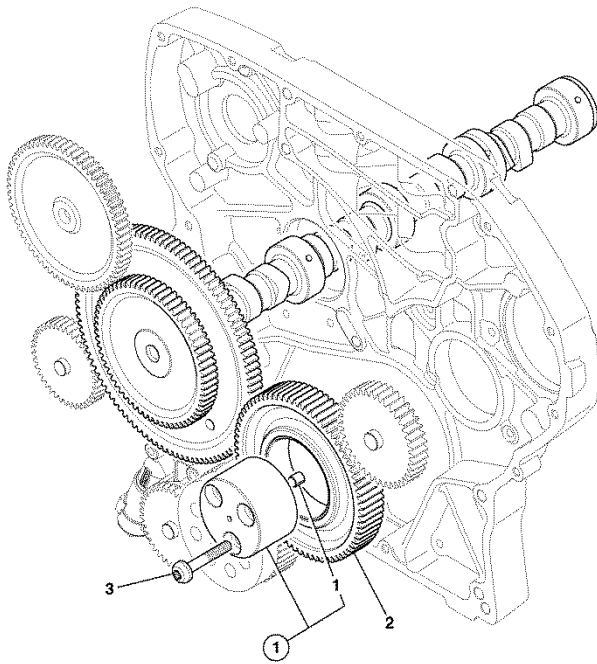
320/45088



320-25334-2

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/08549		Belt Drive		1
2	320/A8508		Pulley Fan, 0.85:1 RATIO		1
3	320/A8514		Hub , Fan Drive		1
4	320/08802		Screw M8 x 20		4

320/45088

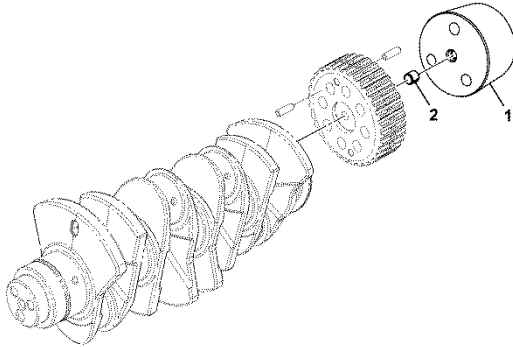


OOXV0011320

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/05115		Hub idler gear Refer V750-5-1 in 9822/0925 Refer V750-15-1 in 9822/0475 Refer V750-15-1 in 9822/0500 Refer V750-5-1 in 9822/1300 Refer V750-1-1 in 9822/0615		1
2	320/05137		Gear HDPTO camshaft idler assembly		1
3	320/05117		Bolt pan head M10 x 60mm		3

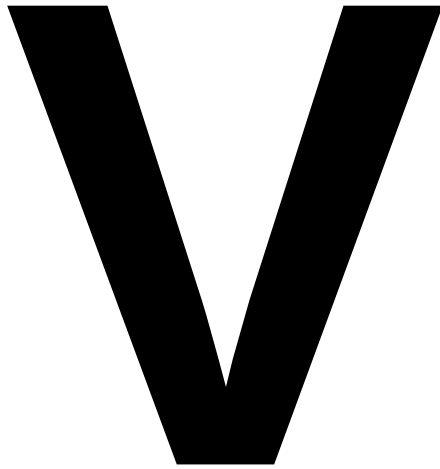


320/45088



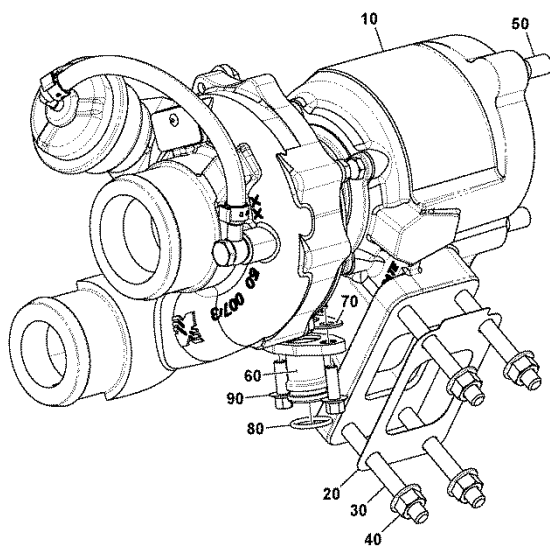
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/05106		Hub idler gear		1
2	320/05118		Dowel ring 10 x 10		1

320-05115-1



- V01 ENGINE ASSEMBLIES
- V02 CYLINDER HEAD & SUB-ASSEMBLIES
- V03 INDUCTION & EXHAUST SYSTEM
- V04 COOLING SYSTEM
- V05 LUBRICATION SYSTEM
- V06 FUEL SYSTEM
- V07 ENGINE
- V08 ANCILLARIES

320/45088

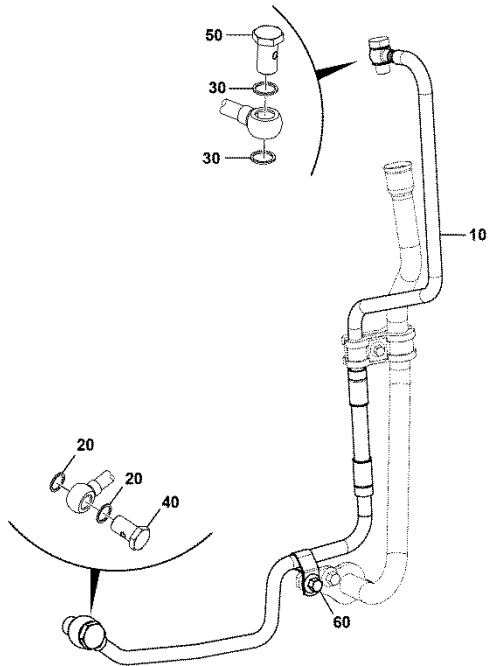


320-20906-1

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/A6431		Turbocharger -K04		1
20	320/06266		Gasket		1
30	320/A6017		Stud M8 x 80		4
40	320/06008		Nut lock M8 special		4
50	320/02698		Stud M10 X 37		3
60	320/A4377		Adaptor Assembly Turbo Oil		1
70	320/00852		Gasket drain pipe to turbo		1
80	320/00851		O Ring		1
90	320/A0598		Bolt flanged, M6 x 16		2



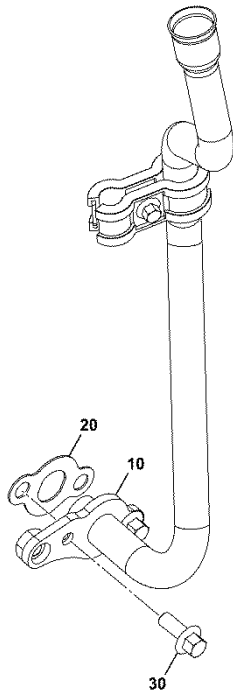
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B4317		Pipe Turbocharger Oil Feed		1
20	320/B4369		Washer Copper M16-TYPE D		2
30	320/B4371		Washer Copper M12-TYPE D		2
40	320/B4370		Bolt Banjo M16		1
50	320/B4372		Bolt Banjo M12		1
60	320/A0604		Bolt Flanged Hex M8 x 20 g8.8		1



320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/B4423		Pipe Assembly Turbo Oil Drain		1
20	320/04208		Gasket blk to o/drain pipe		1
30	320/A0604		Bolt Flanged Hex M8 x 20 g8.8		2

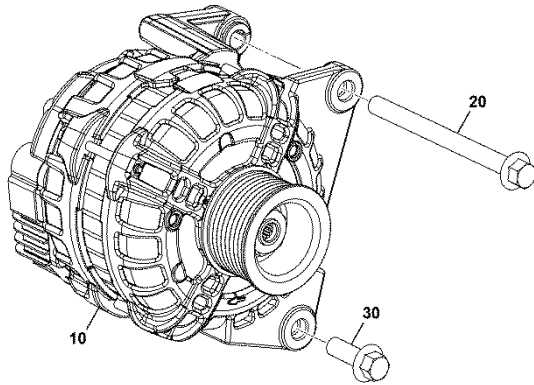


320/45088

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
40	320/A0599		Bolt Flanged Hex M6 x 20 g8.8		1
20	320/B4409		Pipe Feed Clamp Front		1
30	320/B4410		Pipe Feed Clamp Rear		1
10	320/A4380		Pipe Assy Turbo Oil Drain		1



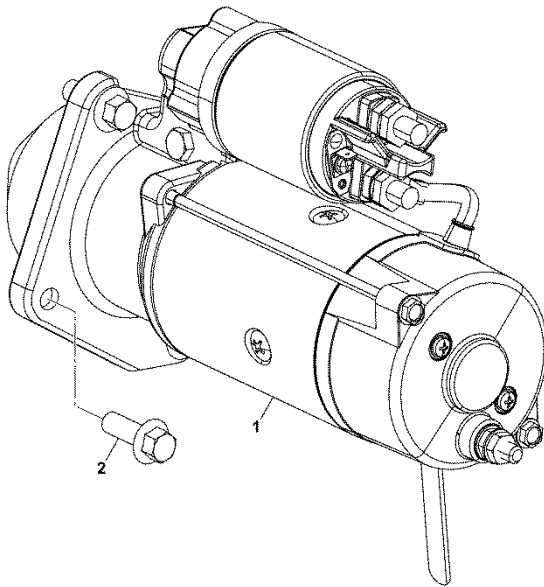
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/08999		Alternator 12V 90A BOSCH-SEG		1
20	320/A0625		Bolt Flanged Hex M10 x 120 g8.8		1
30	320/A0617		Bolt Flanged M10 x 30		1



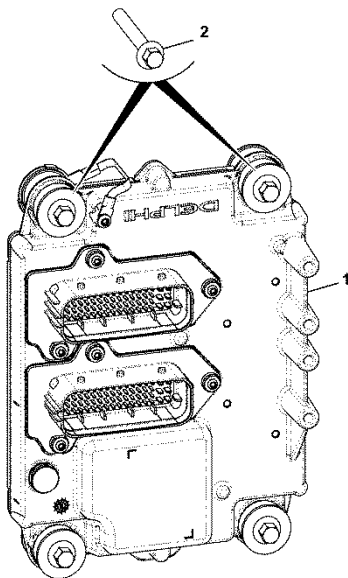
320/45088



320-25058-1

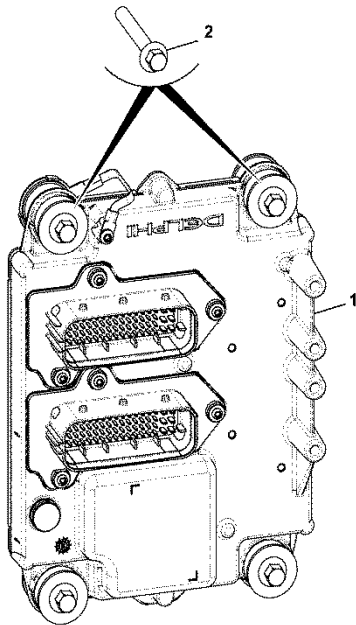
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/C9948		Starter Motor 12V		1
1A	320/09454		12V Starter Motor with Cold Start or High Altitude		1
2	1317/3408Z		Bolt flanged M10x30		3





320-21002-1

ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1
	320/09744R		Computer ECU 55kw T4i/T4F service replacement EPA/EU		1
	320/B9546		Computer ECU 55kw - T4i/T4F OEM service replacement		1
	320/09745R		Computer ECU 68kw T4i service replacement EPA/EU		1
	320/B9547		Computer ECU 68kw T4i OEM service replacement		1
	320/B9535		Computer ECU 68kw T4F service replacement EPA Refer V860-5-1 in 9822/0925 Refer V860-5-1 in 9822/0615 Refer V860-25-1 in 9822/1300		1
	320/C9511		Computer ECU 68kwT4F service replacement EU		1
	320/C9516		Computer ECU 68kw T4F OEM service replacement EU		1
	320/B9541		Computer ECU 68kw T4F OEM service replacement EPA		1
	320/09746R		Computer ECU 81kw T4i service replacement EPA/EU		1
	320/B9548		Computer ECU 81kw T4i OEM service replacement		1
	320/B9536		Computer ECU 81kw T4F service replacement EPA Refer V860-10-1 in 9822/0920 Refer V860-20-1 in 9822/0925 Refer V860-60-1 in 9822/0475 Refer V860-20-1 in 9822/0615 Refer V860-10-1 in 9822/1300		1
	320/C9512		Computer ECU 81kw T4F service replacement EU		1
	320/C9517		Computer ECU 81kw T4F OEM service replacement EU		1
	320/B9542		Computer ECU 81kw T4F OEM service replacement EPA		1
	320/09747R		Computer ECU 93kw T4i service replacement EPA/EU		1
	320/B9549		Computer ECU 93kw T4i OEM service replacement		1
	320/B9537		Computer ECU		1



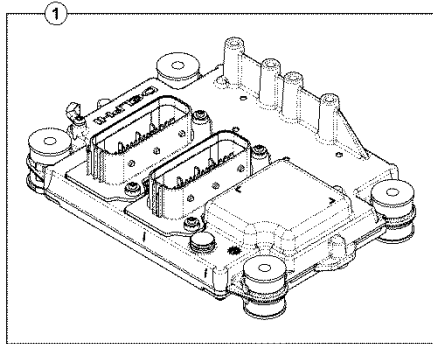
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ITEM	PART NO	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
	320/C9513		Computer ECU 93kw T4F service replacement EU		1
	320/C9518		Computer ECU 93kw T4F OEM service replacement EU		1
	320/B9543		Computer ECU 93kw T4F OEM service replacement EPA		1
	320/09748R		Computer ECU 108kw T4i service replacement EPA/EU		1
	320/B9550		Computer ECU 108kw T4i OEM service replacement		1
	320/B9538		Computer ECU 108kw T4F service replacement EPA Refer V860-20-1 in 9822/0920 Refer V860-10-1 in 9822/0925 Refer V860-50-1 in 9822/0475 Refer V860-10-1 in 9822/0615 Refer V860-1-1 in 9822/1300		1
	320/C9514		Computer ECU 108kw T4F service replacement EU		1
	320/C9519		Computer ECU 108kw T4F OEM service replacement EU		1
	320/B9544		Computer ECU 108kw T4F OEM service replacement EPA		1
	320/09777R		Computer ECU 129kw T4i service replacement EPA/EU		1
	320/B9551		Computer ECU 129kw T4i OEM service replacement		1
	320/B9539		Computer ECU 129kw T4F service replacement EPA Refer V860-25-1 in 9822/0920 Refer V860-15-1 in 9822/0925 Refer V860-55-1 in 9822/0475 Refer V860-15-1 in 9822/0615 Refer V860-5-1 in 9822/1300		1
	320/C9515		Computer ECU 129kw-T4F service replacement EU		1
	320/C9520		Computer ECU 129kw T4F OEM service replacement EU		1
	320/B9545		Computer ECU 129kw T4F OEM service replacement EPA		1
2	1317/3311Z		Bolt flanged hex M8 x 45		4



320/45088

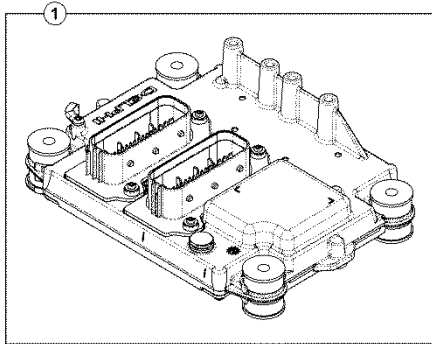
ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1



320-B9535-1



320/45088

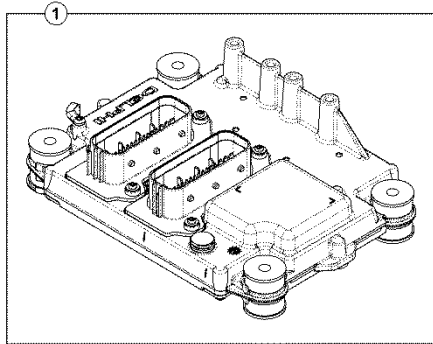


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1
2			Software T4F		1

320-B9535-1



320/45088

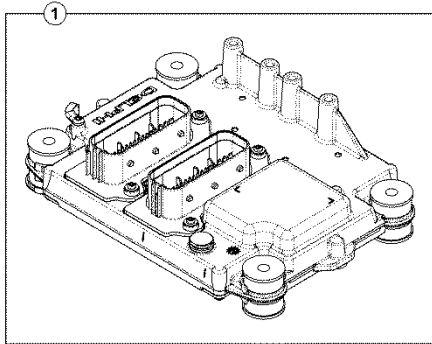


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1
2			Software T4F		1

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320/45088

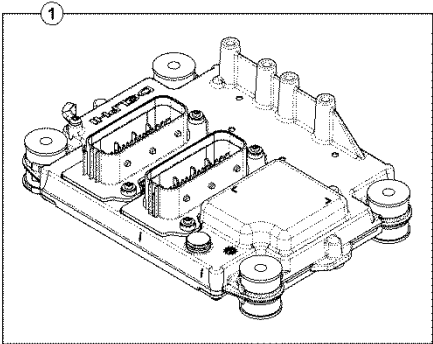


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1
2			Software T4F		1

320-B9535-1



320/45088

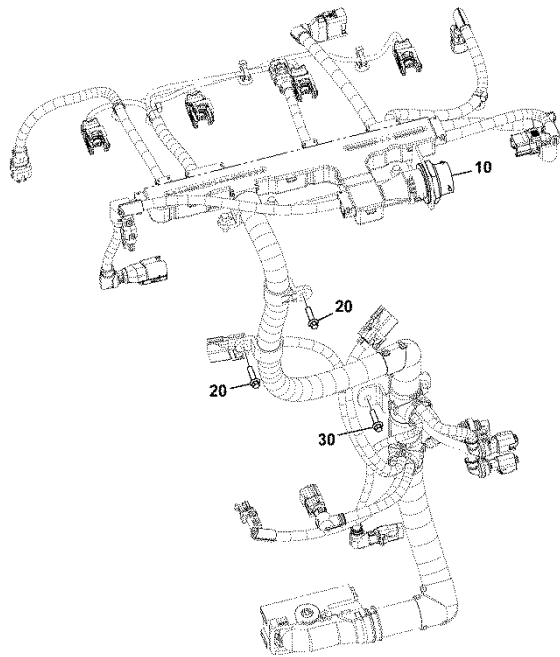


ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
1	320/09705		ECU 56KW 12V		1
2			Software T4F		1

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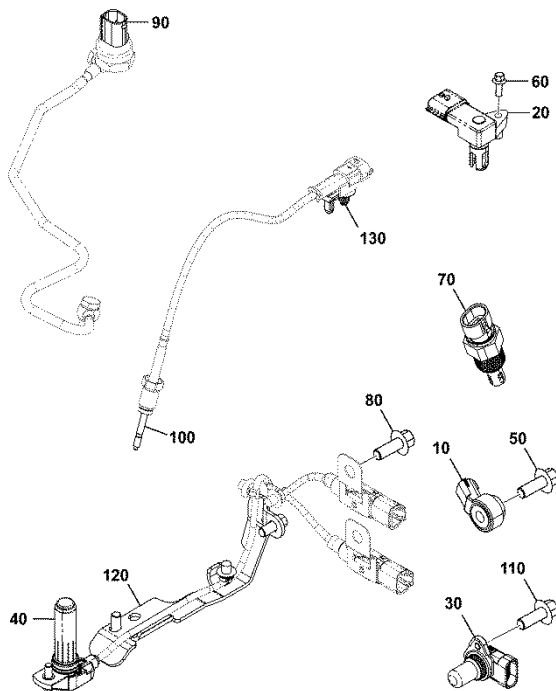


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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/C9941		Harness Engine BS4 55KW		1
20	320/A0598		Bolt flanged, M6 x 16		5
30	320/A0603		Bolt Flanged M8 x 16		2

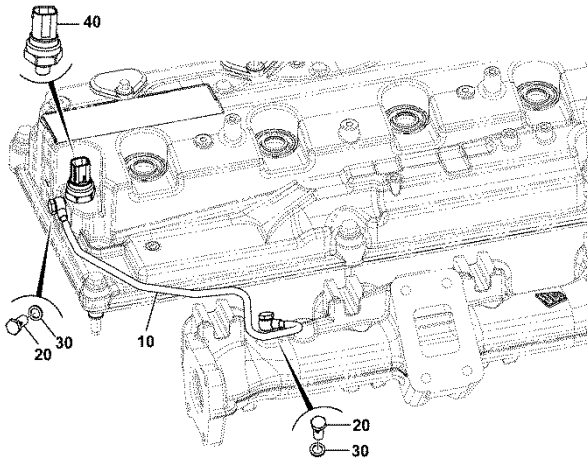
320/45088



ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/09649		Unit accelerometer		2
20	320/B9534		Sensor TMAP Coated		1
30	320/09524		Sensor camshaft position		1
40	320/09650		Sensor crank		1
50	320/A0606		Bolt Falnged Hex M8 x 30 g8.8		2
60	320/A0598		Bolt flanged, M6 x 16		2
70	320/09648		Sensor intercooler out temperature		1
80	320/A0603		Bolt Flanged M8 x 16		3
90	320/25419		Pressure Sensing Assembly		1
100	320/06233		Sensor turbine temp.		1
110	320/A0599		Bolt Flanged Hex M6 x 20 g8.8		1
120	320/C9839		Plate Crank Sensor		1
130	7243/0258		Clip		1



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ITEM	Part #	CHANGE NO	DESCRIPTION	USAGE CODE	QTY
10	320/C9967		Pipe Pressure Sensor BS4		1
20	320/06245		Bolt banjo,M8		2
30	320/B6124		Washer Copper M8		4
40	320/06194		Pressure sensor		1