

PERKINS

RG38557

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RG38557

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The information given within this parts book was correct at the time of printing and is subject to change without notice. Always refer to your local Perkins outlet for the latest information. Only fully trained personnel should carry out servicing of engines. Before working on any engine always refer to the correct user service and maintenance manual.

Always refer to your local Perkins outlet before purchasing any parts

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Introduction

The build list of your engine, found on the front page of this parts book, provides a unique reference to the components fitted to your engine; therefore this parts book is only applicable to this particular engine

Always quote your build list and engine serial number when contacting your Perkins outlet.

How to use your Parts Book

This parts book has been designed to provide you with all the information you need to identify parts to service your engine. There are several features within the book to help you to find the parts you require.

Front Page

This lists your build list number and the date of publication of this book.

Symbol Descriptions

Provides a quick reference guide to the symbols used within the book.

Engine Breakdown

Use this to identify all the major sections of your engine and the relevant pages within the book.

Parts Lists & Illustrations

This section shows each major section of your engine broken down into individual part numbers along with an associated illustration for identifying the parts you require.

The illustrations used in this parts book are representational only and should only be used for identification purposes.

For fitting instructions please refer to your engine Service Manual.

Parts Index

Using either the part number or description of the part you require this section will help you locate the page within the **Parts Lists & Illustrations** section where the part appears.

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Engine Breakdown

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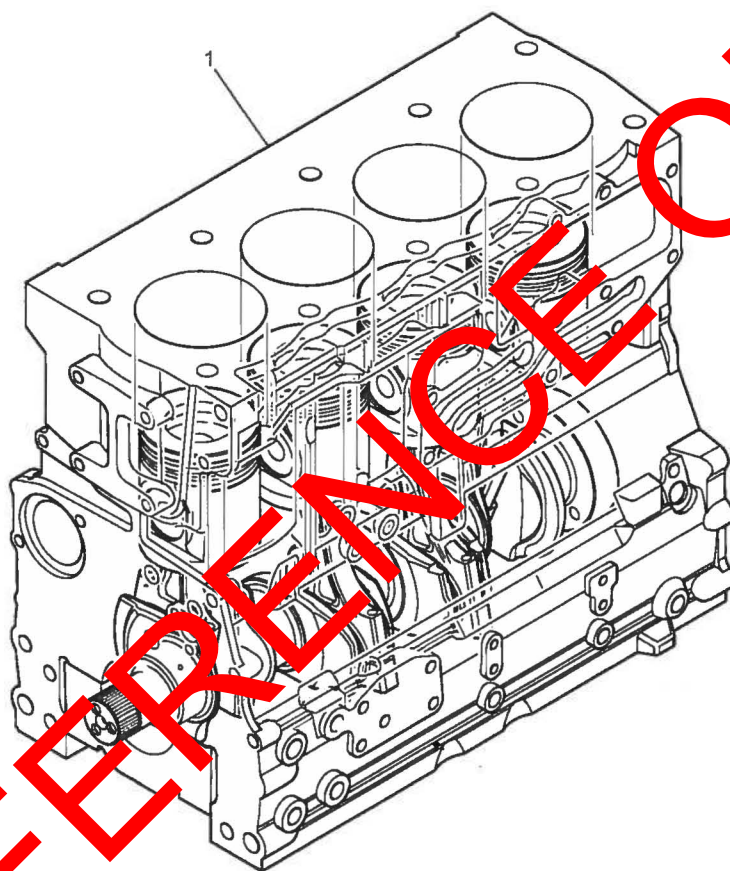
Engine Breakdown

REFERENCE ONLY

Symbols and Notes

Symbol	Description
⇐	From Engine Number
⇒	Upto Engine Number
●↻	Repairs and Replaces
👁	See Appropriate Section - Reference Number
⚡	Alternative
🖋	Order
↺	Remanufactured Part
📦	New for Old Part
⚙	Number of Teeth
≡	Thickness
↓	Bottom
↑	Top
↶	Left Hand
↷	Right Hand
⌘	Reference for Detailed Breakdown
Ⓢ	Other Service Options Available
🗿	Cylinder Number
📖	See History Section

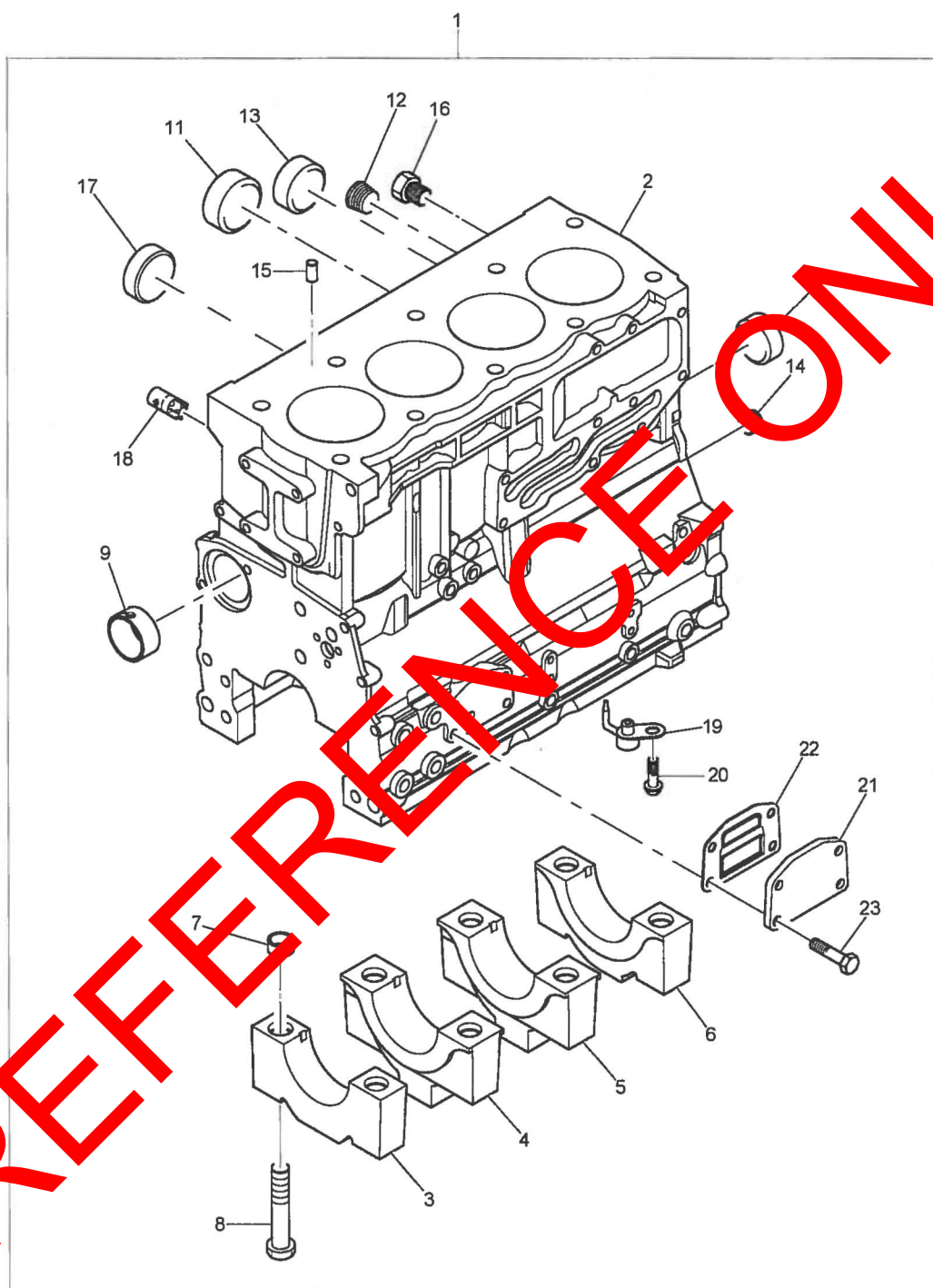
ACE40004



Short Engine		Plate A
		ACE40004

Item	Part No.	References	Qty.	Description	Notes
1	RG40004		1	SHORT ENGINE	
2	—ZZ50311		1	CYLINDER BLOCK KIT	
3	—ZZ90222		1	CRANKSHAFT KIT	
4	—		4	CONROD KIT	
5	—4115P015		4	PISTON AND RING KIT	
6	—2418F704		1	SEAL - REOS HOUSING	
7	—3211C002		10	METRIC BOLT	
Service Options					
3	ZZ90222P		1	CRANKSHAFT KIT - EXCHANGE	
4	4115C311		4	CON ROD ASSEMBLY	GRADE F
4	4115C312		4	CON ROD ASSEMBLY	GRADE G
4	4115C313		4	CON ROD ASSEMBLY	GRADE H
4	4115C314		4	CON ROD ASSEMBLY	GRADE J
4	4115C315		4	CON ROD ASSEMBLY	GRADE K
4	4115C316		4	CON ROD ASSEMBLY	GRADE L
5	4115P016	$\frac{+}{-}$ (+)0.50MM	4	PISTON AND RING KIT	(A)
5	4115P017	$\frac{+}{-}$ (+)1.00MM	4	PISTON AND RING KIT	(A)
Footnotes					
(A)	SERVICE BY COMPLETE ENGINE				

ACHR0047

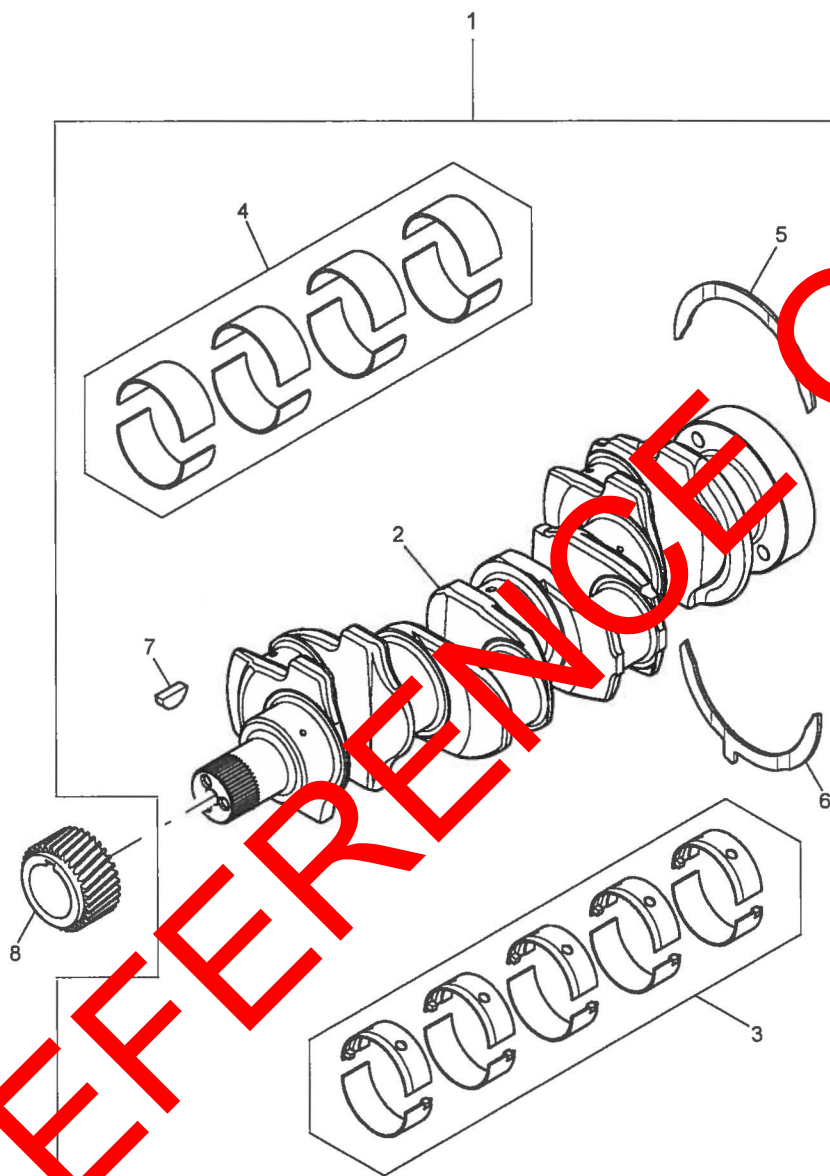


Cylinder Block & Liners	Plate A
	ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	ZZ50311		1	CYLINDER BLOCK ASSEMBLY	
2	—	⇒ ZZ50311	1	CYLINDER BLOCK	
3	—	⇒ ZZ50311	1	BEARING CAP	
4	—	⇒ ZZ50311	2	BEARING CAP	
5	—	⇒ ZZ50311	1	BEARING CAP	
6	—	⇒ ZZ50311	1	BEARING CAP	
7	—33142111		10	THIMBLE	
8	—32166329		10	SCREW	
9	—3112D071		1	CAMSHAFT BUSH	
10	—3241A012		1	PLUG	
11	—3241A011		2	PLUG	
12	—0650588		1	PLUG	
13	—0650710		1	PLUG	
14	—3212P008		1	PLUG	
15	—3244A009		2	DOWEL	
16	—32141316		2	PLUG	
17	—2485A108		1	PLUG	
18	—3212V006		1	PLUG	
19	—2113A003		1	WATER COOLING JET	
20	—2314F001		4	SCREW	
21	—3623A009		1	BLANKING PLATE	
22	—3688A039		1	GASKET - OIL FILTER HEAD	
23	—2314H033		4	SCREW	

● PPL026421

ACHR0047



Crankshaft, Main & Big End Bearings		Plate A
● PPL026421	ACHR0047	

Item	Part No.	References	Qty.	Description	Notes
1	ZZ90222		1	CRANKSHAFT KIT	
2	—	 ZZ90222	1	CRANKSHAFT	
3	— U5MB0018		1	MAIN BEARING KIT	
4	— U5ME0013		1	BIG END BEARING KIT	
5	— 31137551		2	THRUST WASHER	
6	— 31137561		2	THRUST WASHER	
7	— 0500012		1	WOODRUFF KEY	
8	3117C221		1	CRANKSHAFT GEAR	
Service Options					
1	ZZ90222P		1	CRANKSHAFT KIT EXCH	
3	U5MB0018A	 (+) 0.010"	1	MAIN BEARING KIT - O/S	
3	U5MB0018B	 (+) 0.020"	1	MAIN BEARING KIT - O/S	
3	U5MB0018C	 (+) 0.030"	1	MAIN BEARING KIT - O/S	
4	U5ME0013A	 (-) 0.25MM	1	BIG END BRG KIT - O/S	
4	U5ME0013B	 (-) 0.50MM	1	BIG END BRG KIT - O/S	
4	U5ME0013C	 (-) 0.75MM	1	BIG END BRG KIT - O/S	
5	31137312	 (+) 0.007"	2	THRUST WASHER	
6	31137322	 (+) 0.007"	2	THRUST WASHER	

ACHR0047

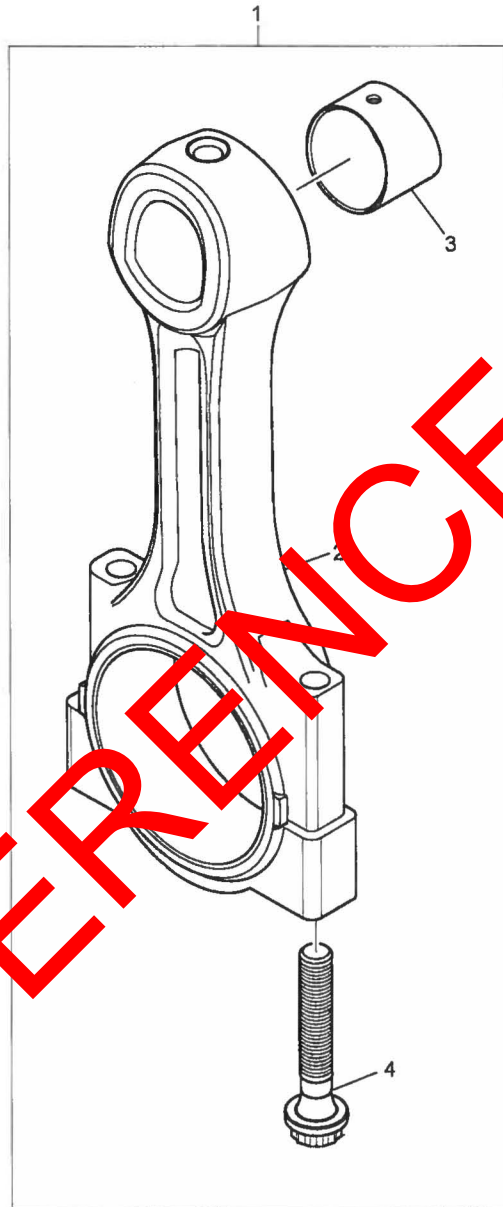


Pistons & Rings	Plate A
	ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	4115P015	Ⓢ	4	PISTON AND RING KIT	
2		⇒ 4115P015	1	PISTON	
3		⇒ 4115P015	1	PISTON PIN	
4	2721332		2	CIRCLIP	
5	UPRK0002		1	PISTON RING KIT	
Service Options					
1	4115P016	⚖ (+)0.50MM	4	PISTON AND RING KIT	(A)
1	4115P017	⚖ (+)1.00MM	4	PISTON AND RING KIT	(A)
Footnotes					
(A)	SERVICE BY COMPLETE ENGINE				

REFERENCE ONLY

ACHR0047

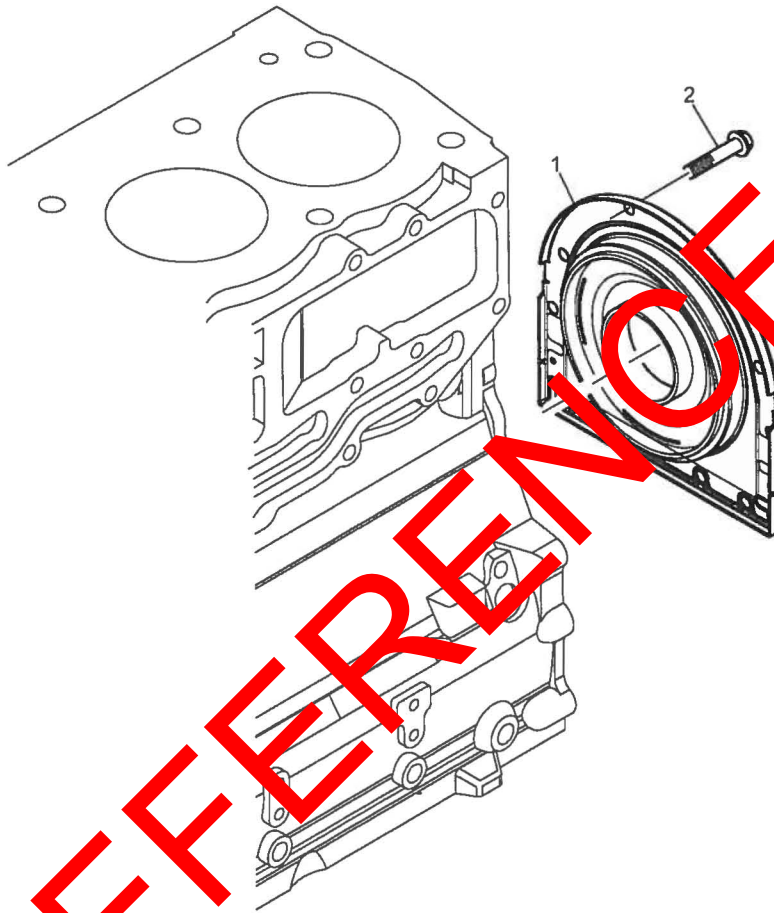


Connecting Rods		Plate A
		ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1		Ⓢ	4	CONROD KIT	
2		⇒ SERVICE OPTION	1	CON ROD	
3	3112A005		1	SMALL END BUSH	
4	3212V003		2	CON ROD BOLT	
Service Options					
1	4115C311		4	CON ROD ASSEMBLY	GRADE F
1	4115C312		4	CON ROD ASSEMBLY	GRADE G
1	4115C313		4	CON ROD ASSEMBLY	GRADE H
1	4115C314		4	CON ROD ASSEMBLY	GRADE J
1	4115C315		4	CON ROD ASSEMBLY	GRADE K
1	4115C316		4	CON ROD ASSEMBLY	GRADE L

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ACHR0047

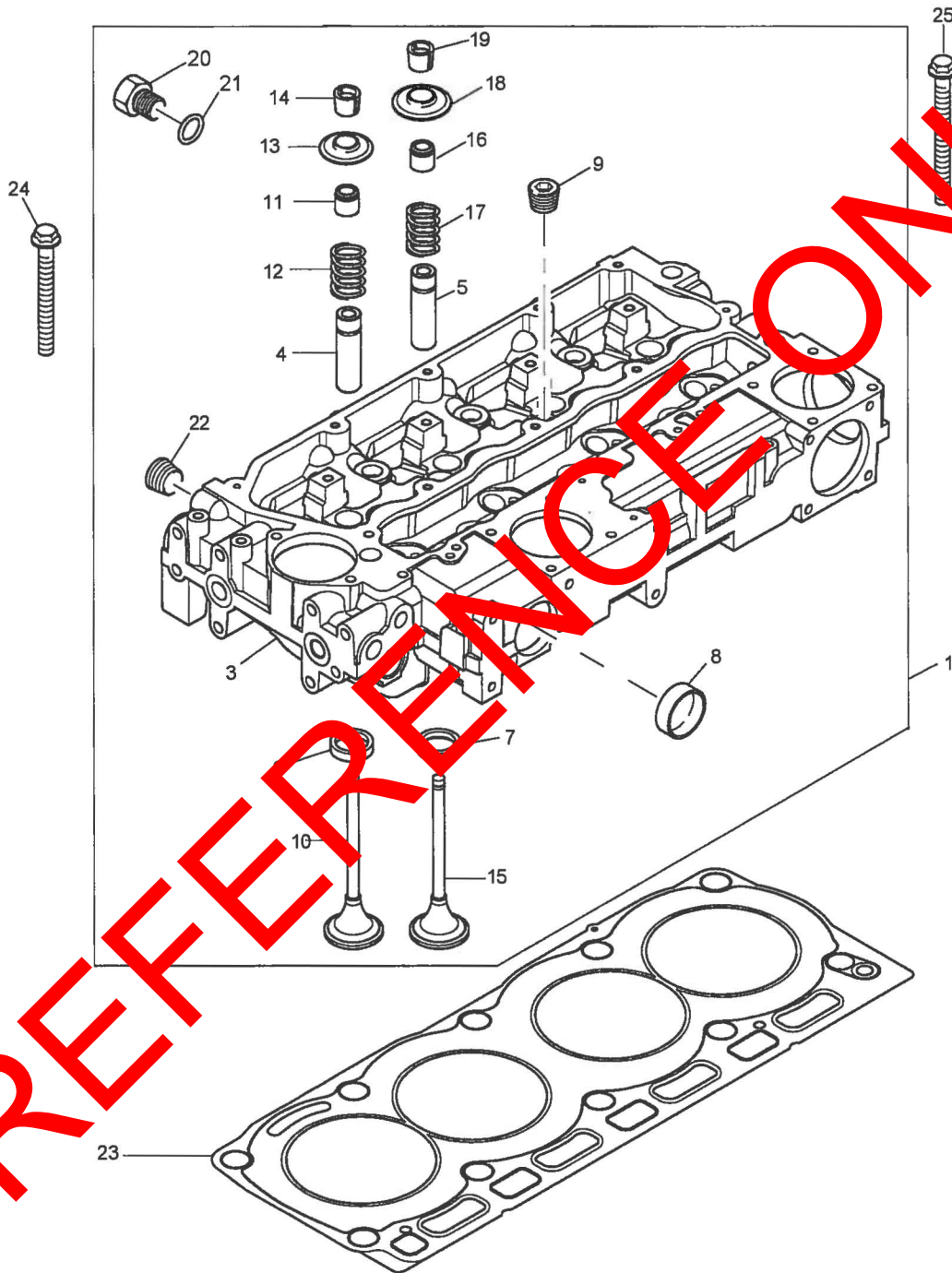


Rear End Oil Seal		Plate A
		ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	2418F704		1	SEAL - REOS HOUSING	
2	3211C002		10	METRIC BOLT	

REFERENCE ONLY

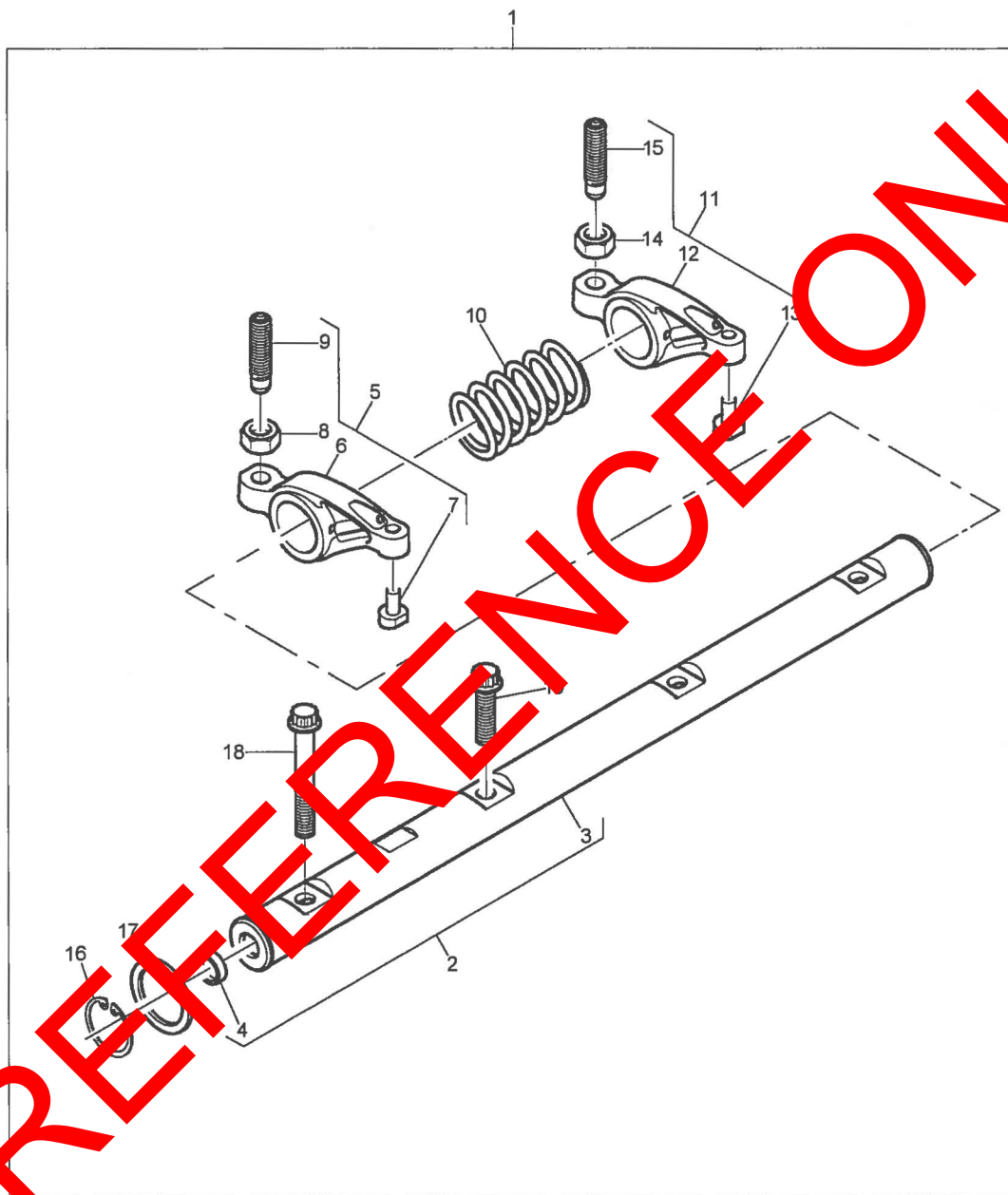
ACHR0047



Cylinder Head Assembly	Plate A
	ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	ZZ80268		1	CYLINDER HEAD KIT	
2		⇒ ZZ80269	1	CYLINDER HEAD ASSEMBLY	
3		⇒ ZZ80268	1	CYLINDER HEAD	
4	—3313E021		4	VALVE GUIDE	
5	—3313E021		4	VALVE GUIDE	
6	—3314A151		4	VALVE SEAT INSERT	
7	—3314A161		4	VALVE SEAT INSERT	
8	—32416117		2	PLUG	
9	—0650588		4	PLUG	
10	—3142H071		4	INTAKE VALVE	
11	—2418M519		4	VALVE STEM SEAL	(A)
12	—3174A016		4	VALVE SPRING	
13	—3342A011		4	CAP	
14	—3142W004		8	VALVE COLLET	
15	—3142A151		4	EXHAUST VALVE	
16	—2418M517		4	SEAL - VALVE STEM	(B)
17	—3174A016		4	VALVE SPRING	
18	—3342A011		4	CAP	
19	—3142W004		8	VALVE COLLET	
20	—3278A006		1	PLUG	
21	—2415H003		1	SEAL - SENSOR	
22	—2431154		1	PLUG	
23	3681E051		1	GASKET - CYLINDER HEAD	
24	3218A011		7	CYLINDER HEAD BOLT	
25	3218A012		3	CYLINDER HEAD BOLT	
Footnotes					
(A)	GREEN				
(B)	BROWN				

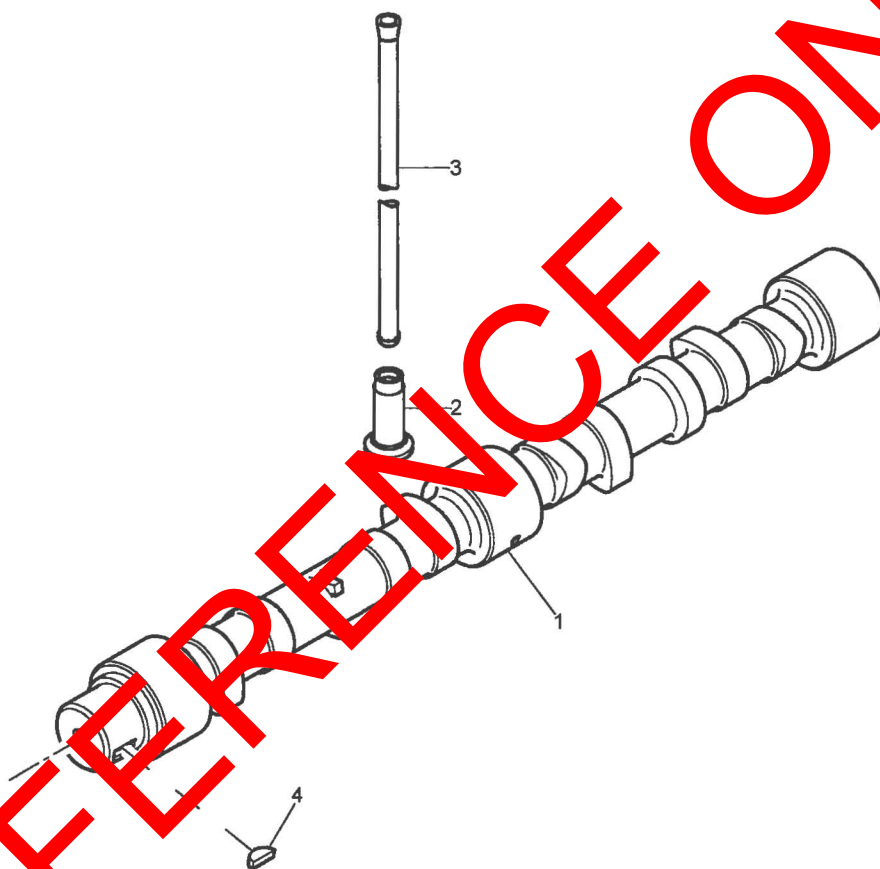
ACHR0047



Rocker Shaft Assembly		Plate A
		ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	4115R612		1	ROCKER SHAFT ASSEMBLY	
2	4115R703		1	ROCKER SHAFT ASSY - MINOR	
3		⇒ 4115R703	1	ROCKER ARM SHAFT	
4	2485A104		2	PLUG	
5	4115R314		4	ROCKER ARM ASSEMBLY	
6		⇒ 4115R314	1	ROCKER ARM	
7		⇒ 4115R314	1	PAD	
8	0576052		1	NUT	
9	32114145		1	SCREW	
10	3174A015		3	ROCKER SHAFT S...	
11	4115R315		4	ROCKER ARM ASSEMBLY	
12		⇒ 4115R315	1	ROCKER ARM	
13		⇒ 4115R315	1	PAD	
14	0576052		1	NUT	
15	32114145		1	SCREW	
16	2722A022		2	CIRCLIP	
17	2134A502		2	WASHER	
18	2316A901		1	SCREW	
19	2316A902		3	SCREW	

ACHR0047



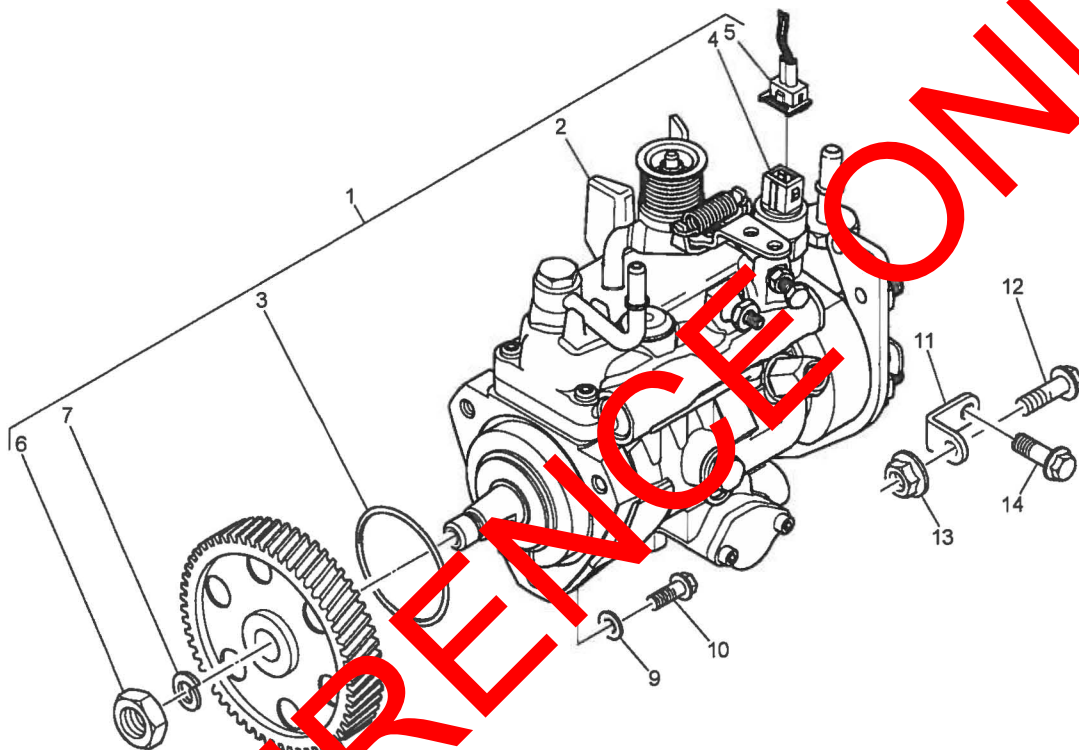
Timing Gear & Camshaft		Plate A
		ACHR0047

Item	Part No.	References	Qty.	Description	Notes
1	3141D222		1	CAMSHAFT	
2	3142U031		8	TAPPET	
3	31434307		8	PUSHROD	
4	0500012		1	WOODRUFF KEY	

REFERENCE ONLY

→ 30/04/2004

AFHR4286



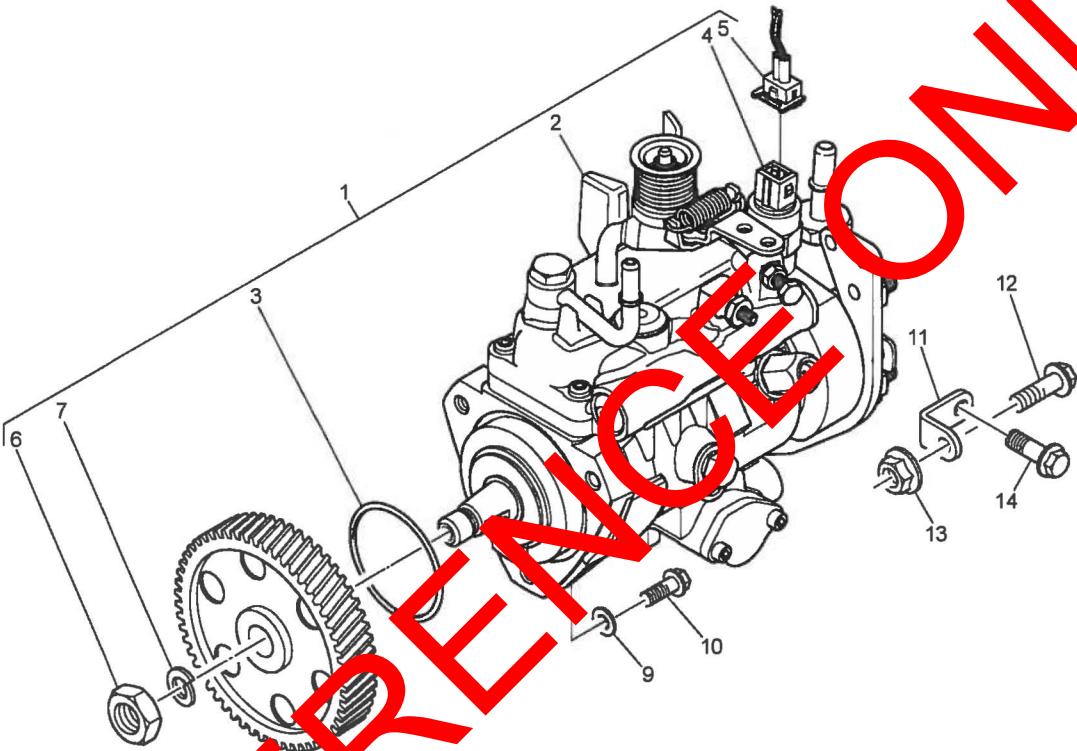
Fuel Injection Pump		Plate A
→ 30/04/2004	AFHR4286	

Item	Part No.	References	Qty.	Description	Notes
1	2644H022		1	FUEL INJECTION PUMP	
2	—	⇒ 2644H022	1	FUEL INJECTION PUMP	
3	— 26420318		1	SEAL - O RING	
4	— 26420469		1	SOLENOID	
5	— 3161C012		1	ADAPTOR	
6	— 2318A108		1	NUT	
7	— K134AF01		1	WASHER	
8	3117L261		1	INJECTION PUMP GEAR	
9	2411D008		3	WASHER	
10	2314H004		3	SCREW	
11	3641A007		1	BRACKET	
12	2314H003		1	SCREW	
13	2318A603		1	NUT	
14	2314J002		1	SCREW	

REFERENCE ONLY

→ 01/05/2004

AFHR4286



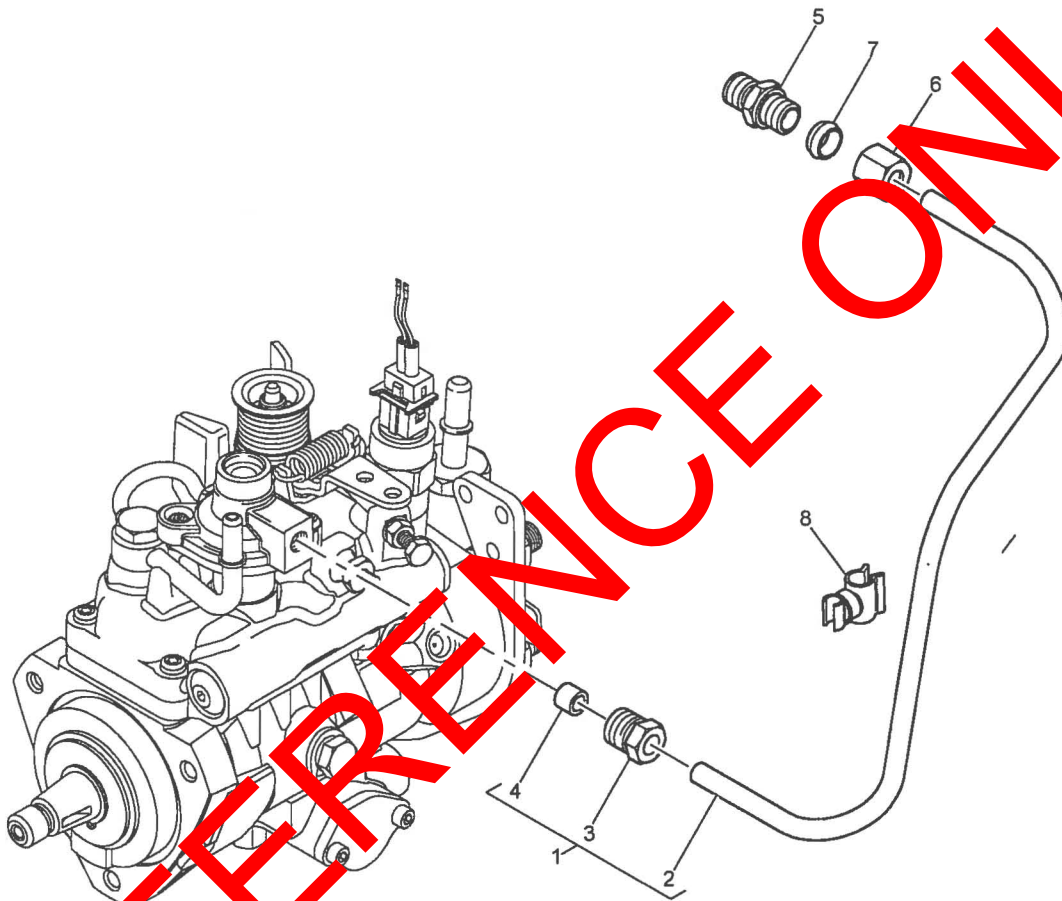
Fuel Injection Pump		Plate B
→ 01/05/2004	AFHR4286	

Item	Part No.	References	Qty.	Description	Notes
1	2644H024		1	FUEL INJECTION PUMP	
2	—	⇒ 2644H024	1	FUEL INJECTION PUMP	
3	—26420318 ✓		1	SEAL - O RING	
4	—26420469 ✓		1	SOLENOID	
5	—3161C012 ✓		1	ADAPTOR	
6	—2318A108 ✓		1	NUT	
7	—K134AF01 ✓		1	WASHER	
8	3117L261		1	INJECTION PUMP GEAR	
9	2411D008		3	WASHER	
10	2314H004		3	SCREW	
11	3641A007		1	BRACKET	
12	2314H003		1	SCREW	
13	2318A603		1	NUT	
14	2314J002		1	SCREW	

REFERENCE ONLY

↪ 01/05/2004

AFHR4286

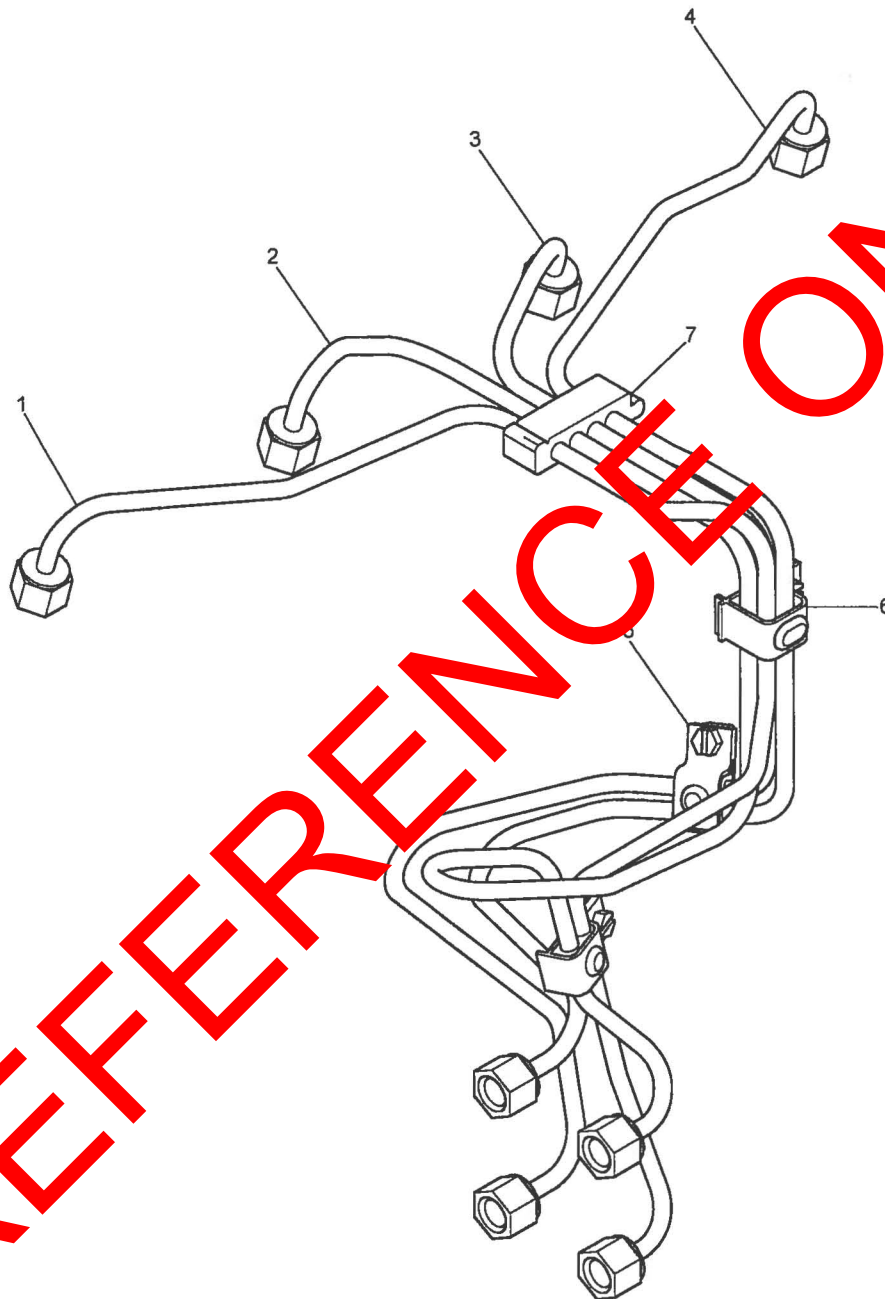


Boost Control Pipe		Plate A
→ 01/05/2004		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	4121A063		1	PIPE - BOOST	
2	—	⇒ 4121A063	1	PIPE - BOOST	
3	—3353D004		1	UNION NUT	
4	—33811112		1	OLIVE	
5	0206002		1	UNION	
6	0576111		1	NUT	
7	0566002		1	OLIVE	
8	K138AF02		1	CLIP	

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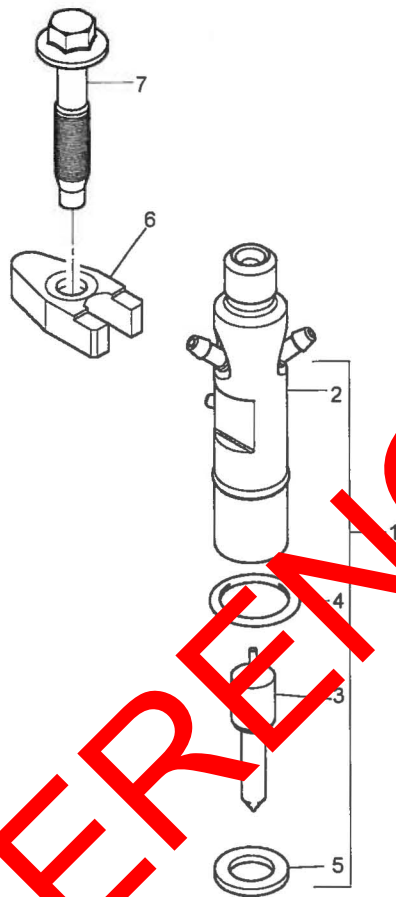


High Pressure Fuel Pipes		Plate A
		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	3525A101		1	PIPE - FUEL INJ NO 1 CYL	
2	3525A102		1	PIPE - FUEL INJ NO 2 CYL	
3	3525A103		1	PIPE - FUEL INJ NO 3 CYL	
4	3525A104		1	PIPE - FUEL INJ NO 4 CYL	
5	2481Y011		2	CLIP	
6	2481Y012		1	CLIP	
7	2646E019		1	CLIP	

REFERENCE ONLY

AFHR4286

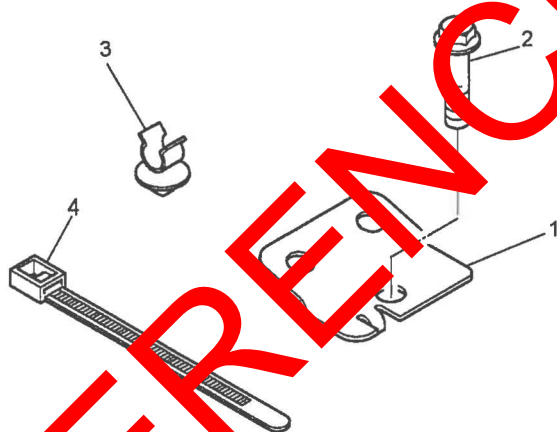


Atomisers	Plate A
	AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	2645K011		4	INJECTOR	
2		⇒ 2645K011	1	INJECTOR NOZZLE HOLDER	
3	—2645K611		1	INJECTOR NOZZLE	
4	—26460064		1	SEAL - INJECTOR	
5	—L311FF02		1	INJECTOR WASHER	
6	3751A241		4	INJECTOR CLAMP	
7	2314W009		4	SCREW	

REFERENCE ONLY

AFHR4286

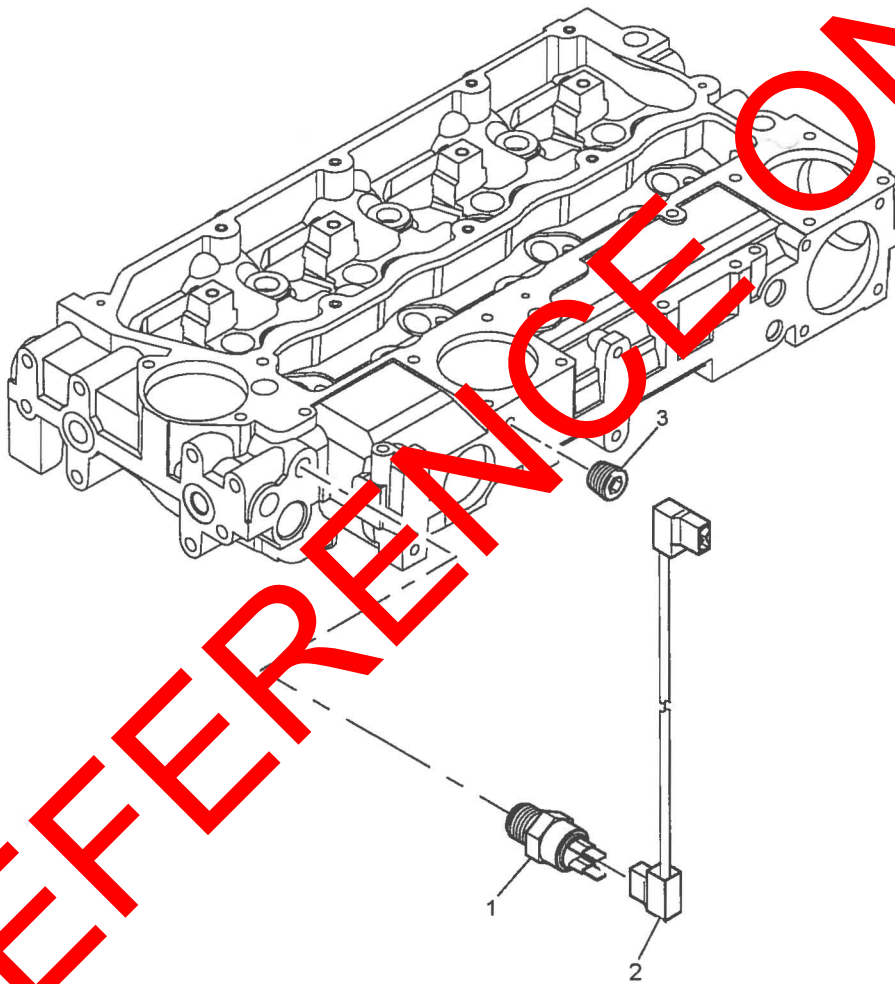


Throttle & Stop Controls		Plate A
		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	3653A017		1	BRACKET	
2	2314H002		1	SCREW	
3	2481D456		1	CLIP	
4	2817154		1	TIE	

REFERENCE ONLY

AFHR4286

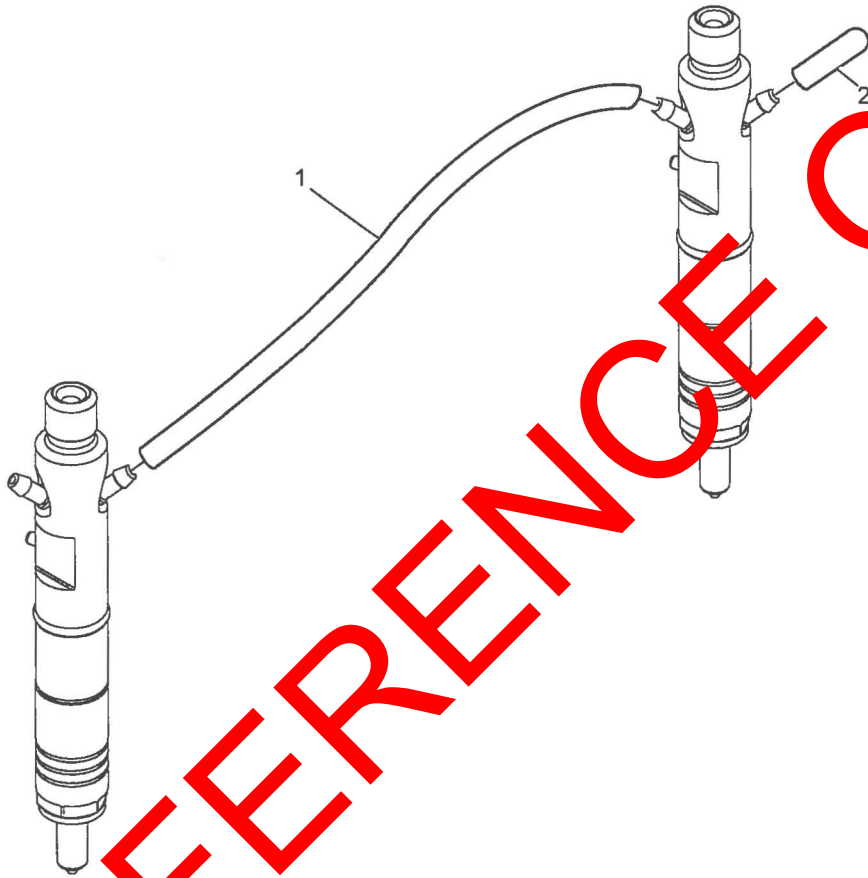


Pick-Up Sensor		Plate A
		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	2848A123		1	WATER TEMPERATURE SWITCH	
2	3161C017		1	CABLE	
3	2431131		1	PLUG	

REFERENCE ONLY

AFHR4286

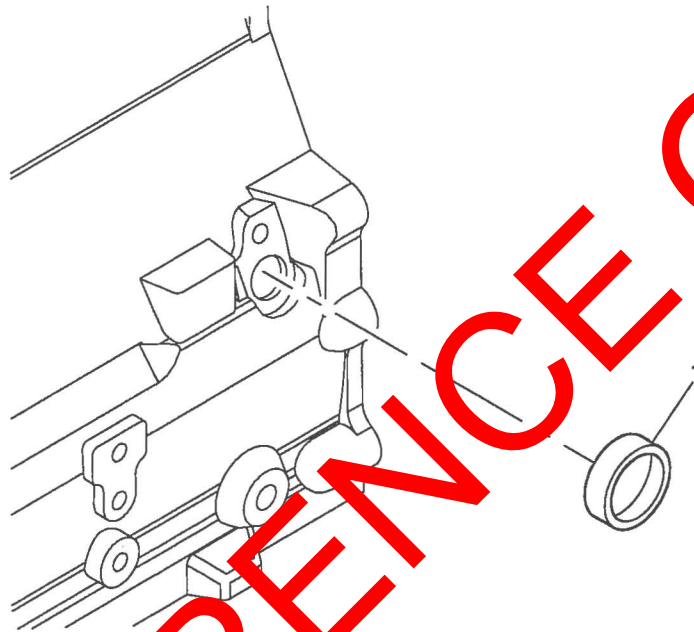


Fuel Leak-Off Pipe		Plate A
		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	2646F501		3	HOSE	
2	2646E501		1	CAP	

REFERENCE ONLY

AFHR4286

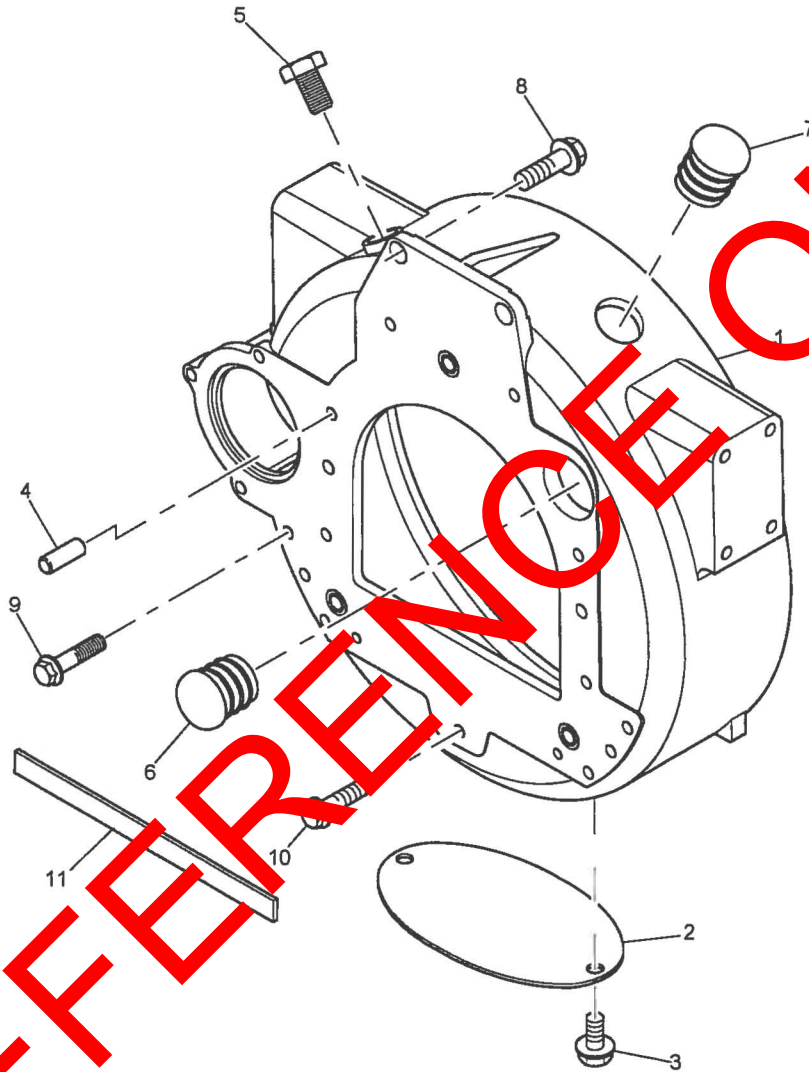


Pick-Up Sensor		Plate B
		AFHR4286

Item	Part No.	References	Qty.	Description	Notes
1	2485A109		1	PLUG	

REFERENCE ONLY

CDHR0707

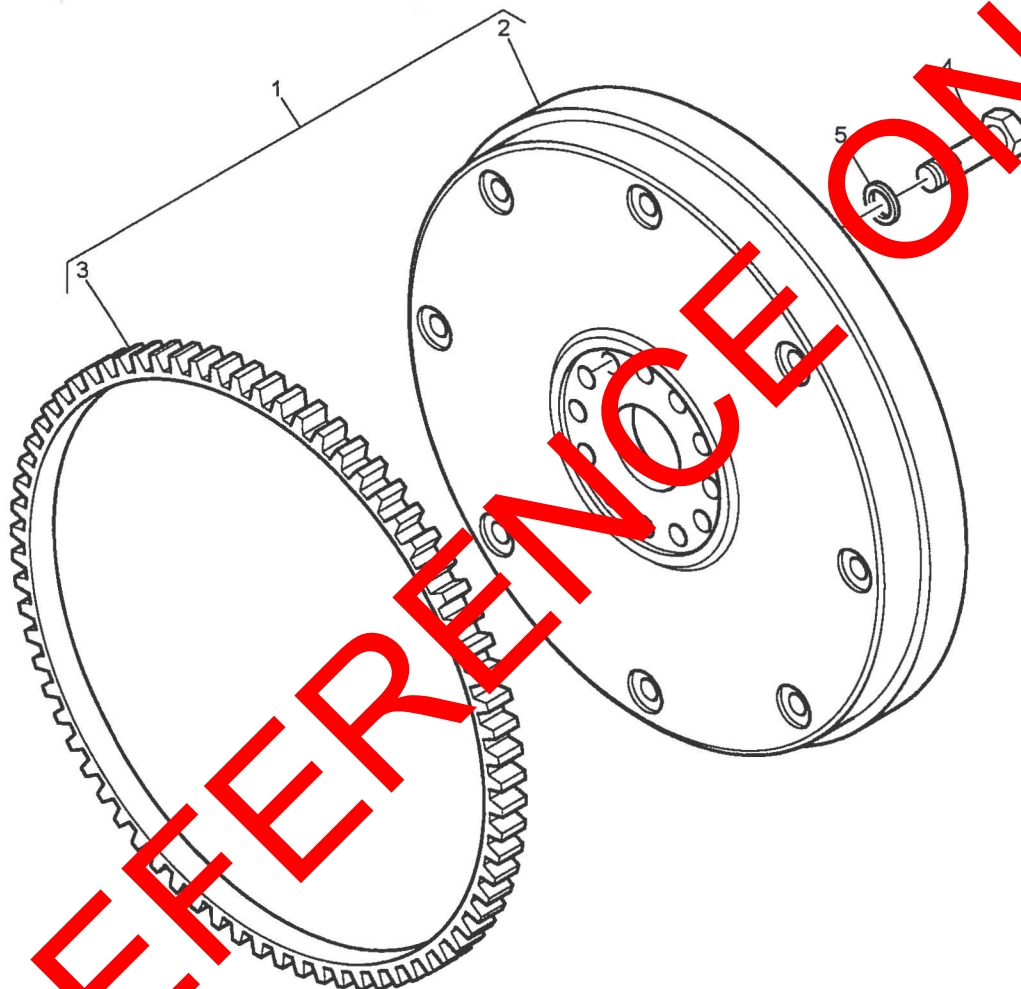


Flywheel Housing		Plate A
		CDHR0707

Item	Part No.	References	Qty.	Description	Notes
1	3713K027		1	FLYWHEEL HOUSING	
2	0240356		1	PLATE	
3	2314F002		2	SCREW	
4	0350025		2	DOWEL	
5	2487Y005		1	PLUG	
6	2487A452		1	PLUG	
7	2487A451		1	PLUG	
8	2314J603		2	SCREW	
9	2314J204		6	SCREW	
10	2314J001		3	SCREW	
11	36843154		1	SEAL	

REFERENCE ONLY

DDHR0755

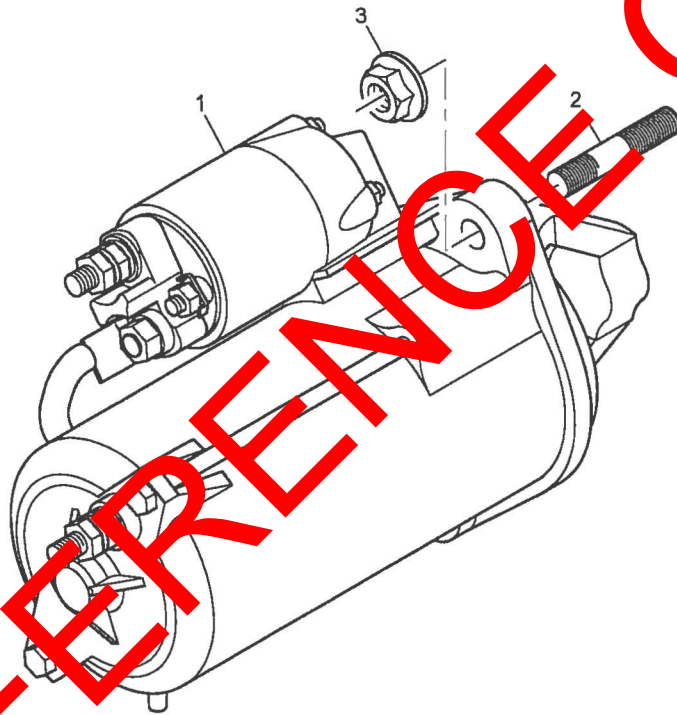


Flywheel & Starter Ring		Plate A
		DDHR0755

Item	Part No.	References	Qty.	Description	Notes
1	4111D127		1	FLYWHEEL ASSEMBLY	
2	└	⇒ 4111D127	1	FLYWHEEL	
3	└31162121		1	STARTER RING GEAR	
4	0746853		6	SCREW	
5	33117127		6	WASHER	

REFERENCE ONLY

EDHR0847

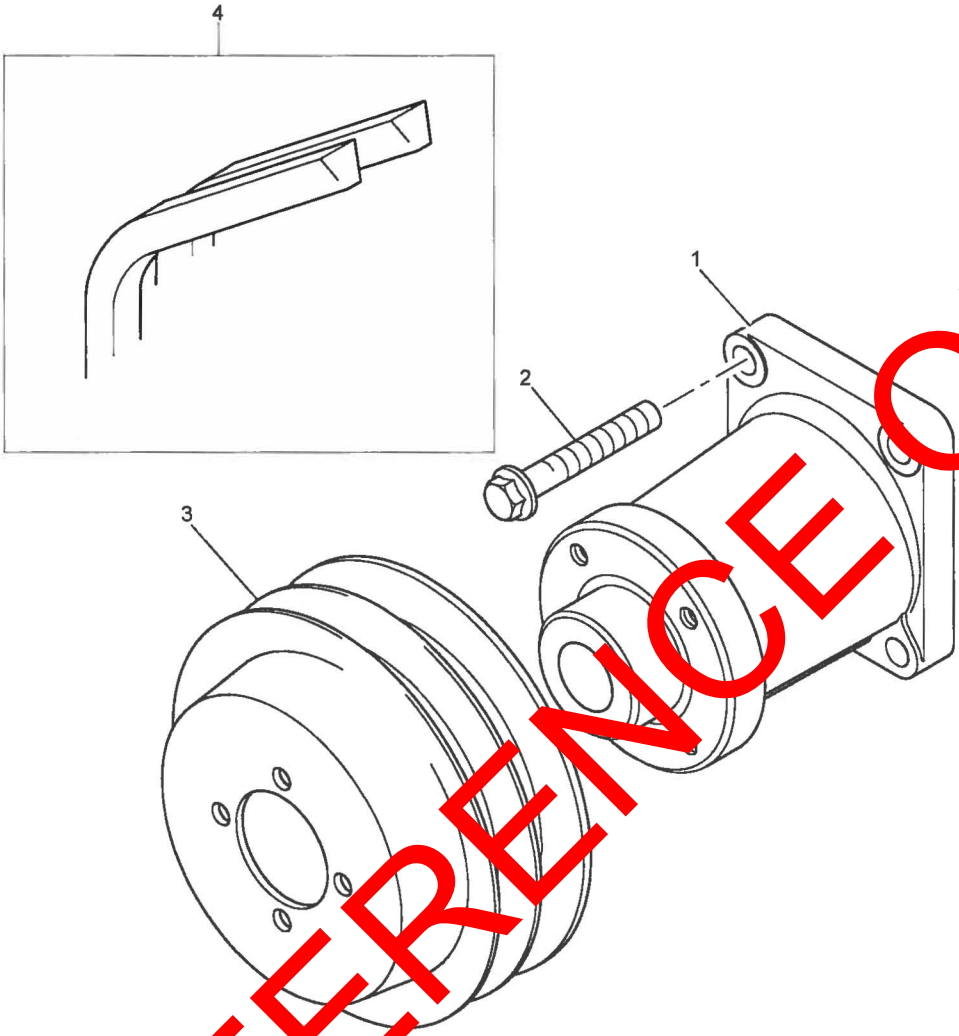


Starter Motor		Plate A
		EDHR0847

Item	Part No.	References	Qty.	Description	Notes
1	2873K404 162634		1	STARTERMOTOR	(A)
2	2313C078		3	STUD	
3	2318A604		3	NUT	
Footnotes					
(A)	BREAKDOWN OF 2873K404 NOT AVAILABLE.				

REFERENCE ONLY

FBHR0896

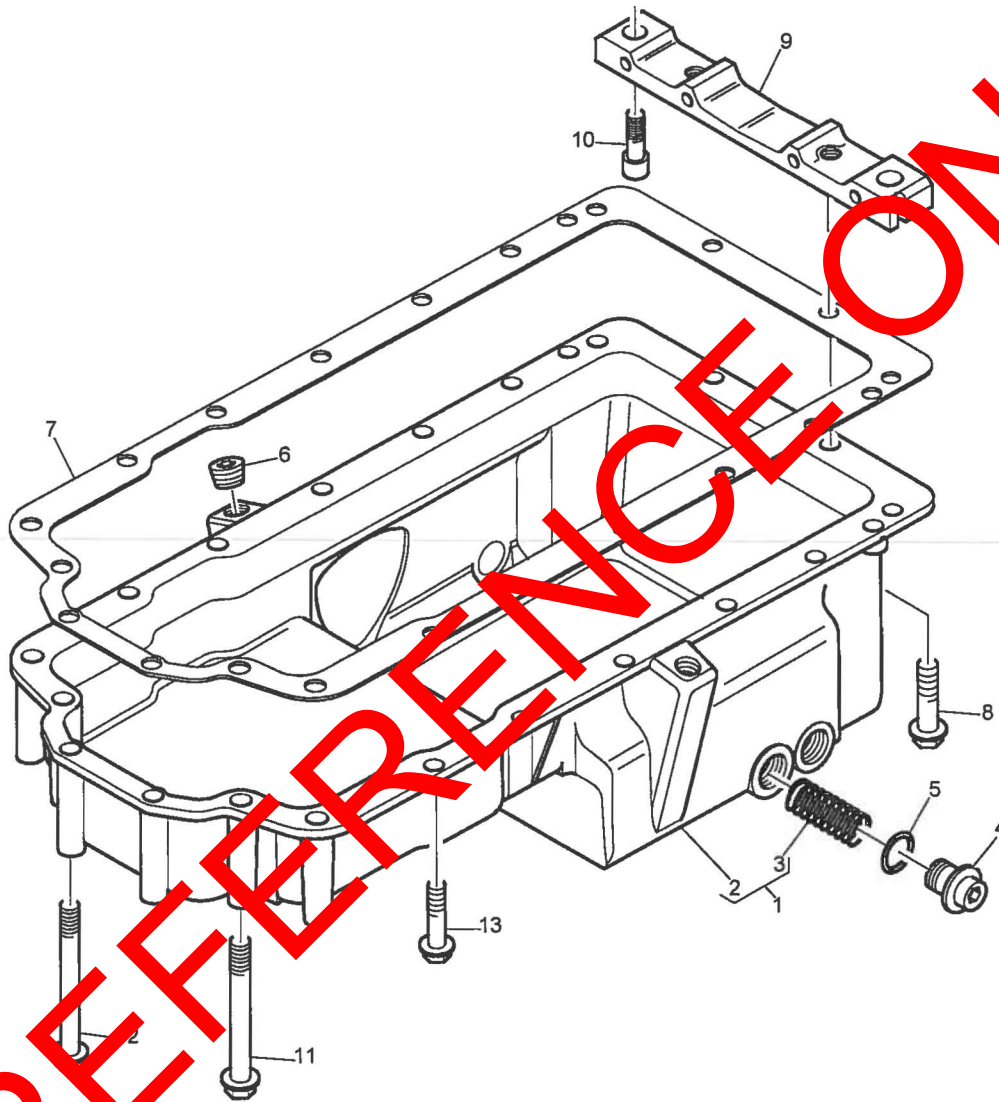


Fan Drive		Plate A
		FBHR0896

Item	Part No.	References	Qty.	Description	Notes
1	4113K005		1	FAN DRIVE HOUSING	
2	2314J005	75304	4	SCREW	
3	3115C113	75330	1	FAN DRIVE PULLEY	
4	2614B655	102598	1	FANBELT	(A)
Footnotes					
(A)	SERVICED IN PAIRS				

REFERENCE ONLY

GBHR2321

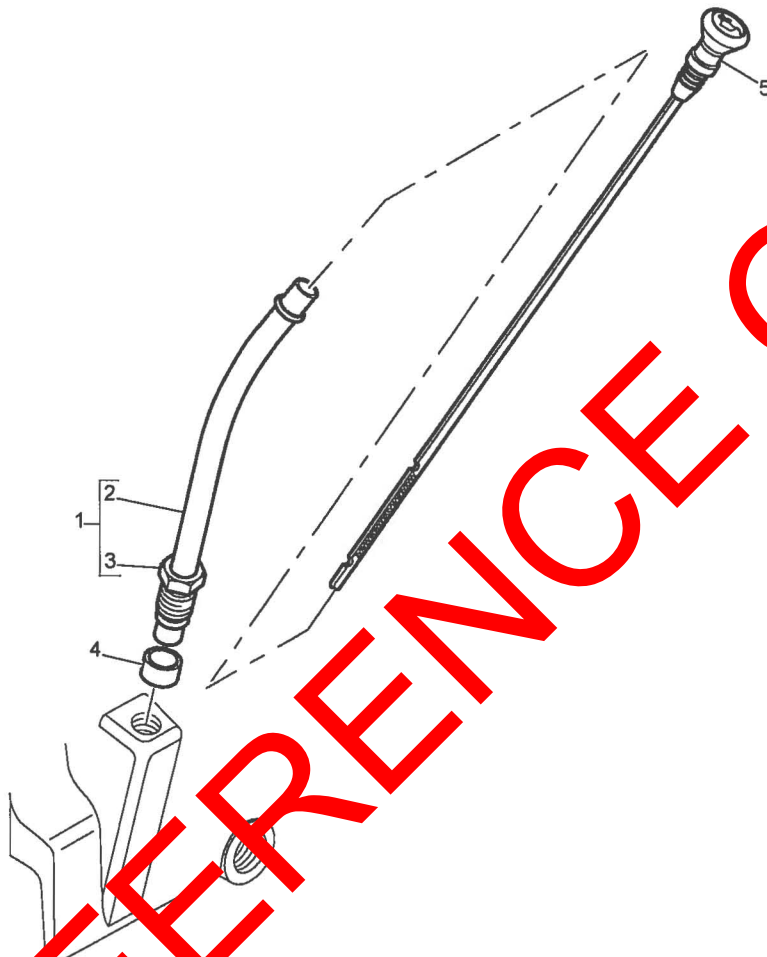


Sump	Plate A
	GBHR2321

Item	Part No.	References	Qty.	Description	Notes
1	4145H091 102641		1	SUMP	
2	2137435	⇒ 4145H091	1	SUMP	
3	32186405 75342		2	INSERT	
4	2415715 75343		2	PLUG	
5	2431A016		2	SEAL - O RING	
6	3681K037 102642		1	PLUG	
7	2314H033 75310		1	GASKET - SUMP	
8	3627P041		2	SCREW	
9	2311D039		1	BRIDGE PIECE	
10	2314K166		2	SCREW	
11	2314K166		2	SCREW	
12	2314K166		4	SCREW	
13	2314H003 75334		12	SCREW	

REFERENCE ONLY

GBHR2321

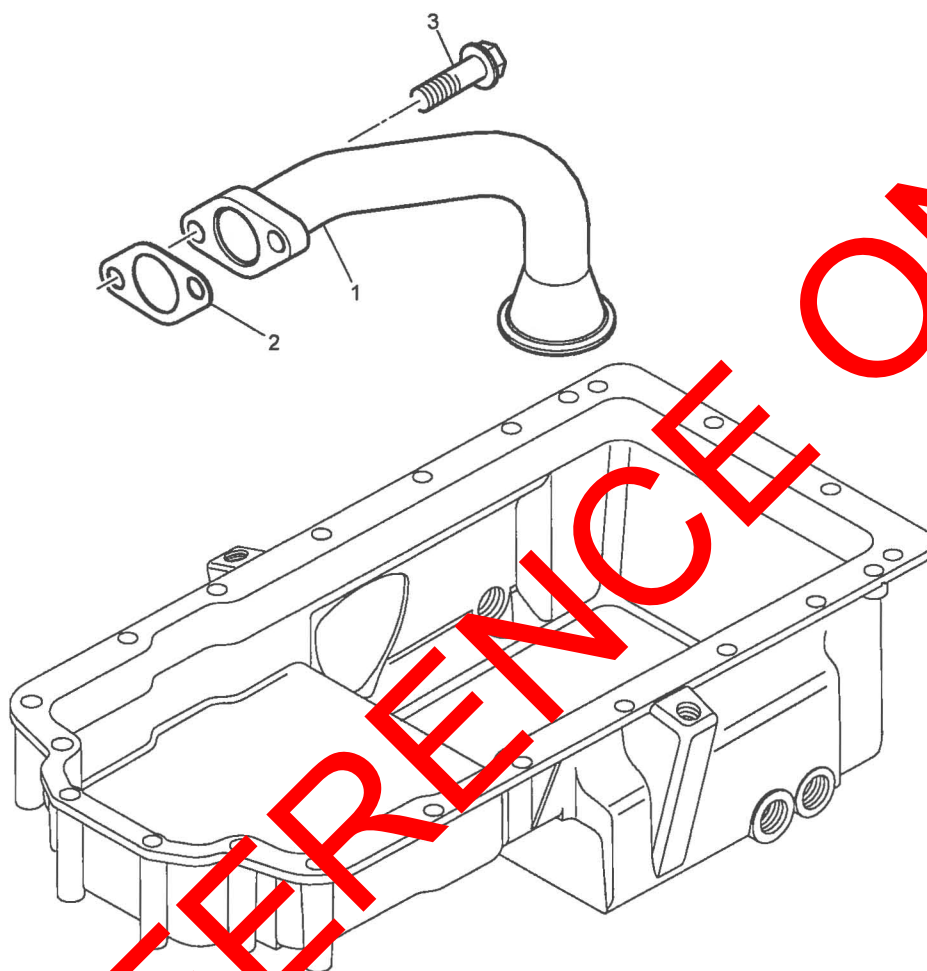


Dipstick & Filler Tube		Plate A
		GBHR2321

Item	Part No.	References	Qty.	Description	Notes
1	3577A125 23123081		1	TUBE ASSEMBLY	
2		⇒ 3577A125	1	TUBE	
3	3353D005		1	NUT	
4	33812116		1	OLIVE	
5	3178C069 102631		1	DIPSTICK	

REFERENCE ONLY

GBHR2321

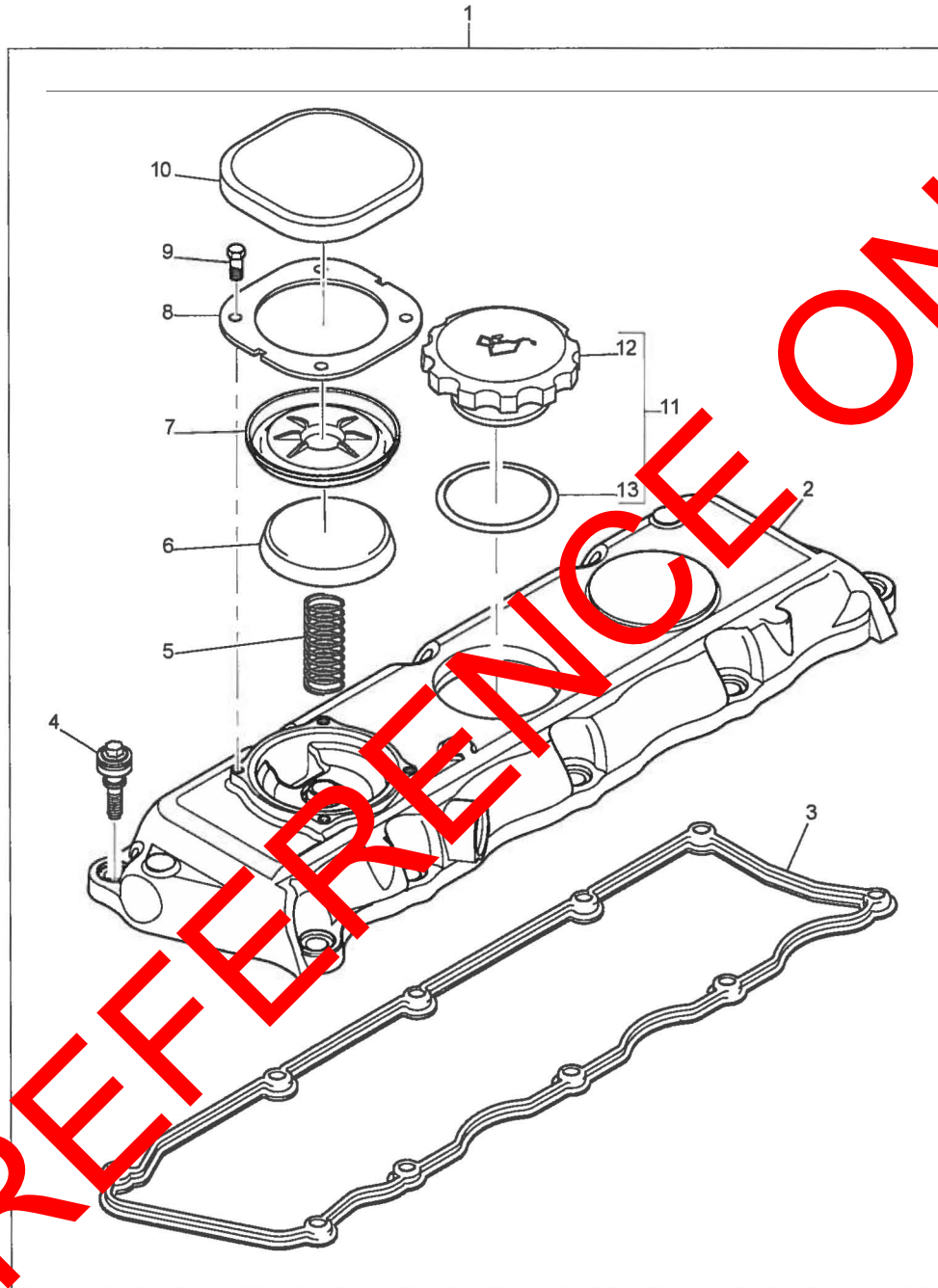


Oil Strainer		Plate A
		GBHR2321

Item	Part No.	References	Qty.	Description	Notes
1	3575A061		1	SUCTION PIPE	
2	36832137		1	GASKET	
3	2314H004		2	SCREW	

REFERENCE ONLY

HBHR2879



Cylinder Head Cover		Plate A
		HBHR2879

Item	Part No.	References	Qty.	Description	Notes
1	4142X312 23123083		1	CYL HEAD COVER ASSY	
2	—	⇒ 4142X312	1	CYLINDER HEAD COVER	
3	—3681A055 102600		1	GASKET - CYL. HEAD COVER	
4	—2161A011 102601		10	SCREW	
5	—3174A017		1	SPRING	
6	—3788A002		1	CAP	
7	—3789A001		1	DIAPHRAGM	
8	—3615A009		1	COVER PLATE	
9	—2151A001		4	SCREW	
10	—3788A003		1	CAP	
11	—4142X099 102641		1	OIL FILLER CAP	
12	—	⇒ 4142X099	1	OIL FILLER CAP	
13	—2415A131		1	SEAL - O-RING	

REFERENCE

Valve Cover
102599

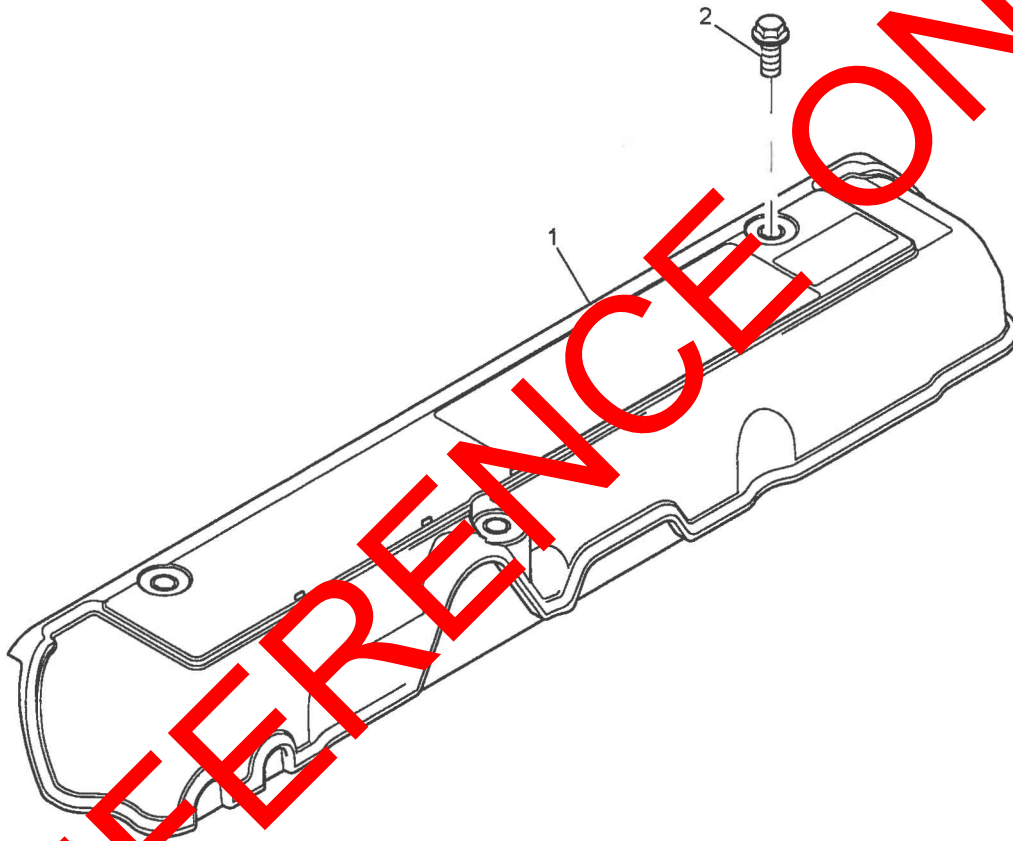
Oil filler Cap

23123083

102635

* 102641

HBHR2879

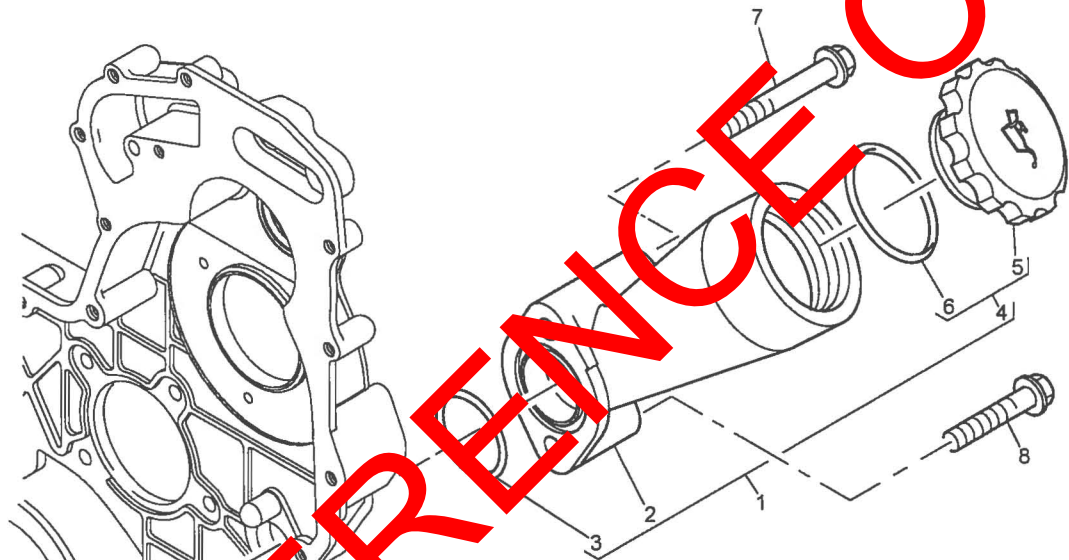


Cylinder Head Cover		Plate B
		HBHR2879

Item	Part No.	References	Qty.	Description	Notes
1	3788N003		1	COVER	
2	2314F003		3	SCREW	

REFERENCE ONLY

HBHR2879

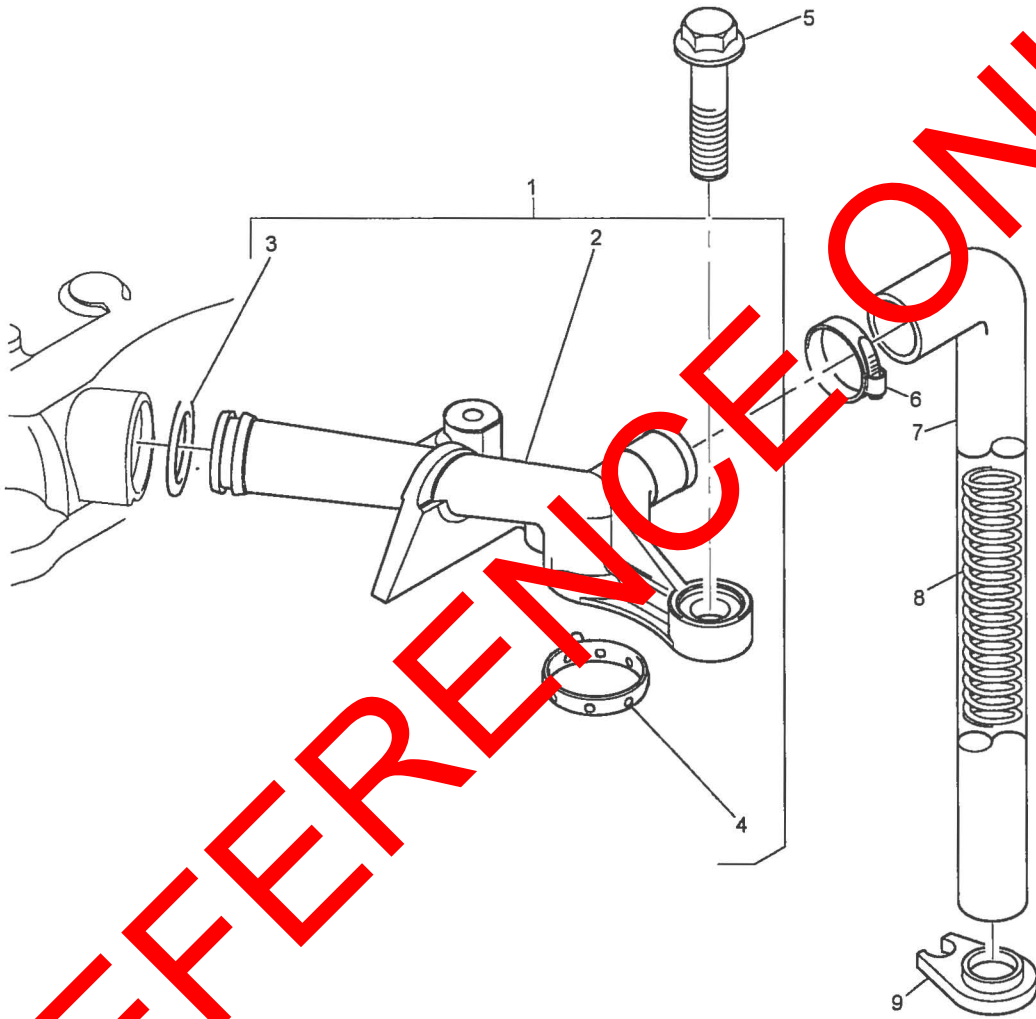


Filler	Plate A
	HBHR2879

Item	Part No.	References	Qty.	Description	Notes
1	4134C019		1	FILLER	
2		⇒ 4134C019	1	BODY	
3	2415B121		1	SEAL - O RING	
4	4142X098 102635		1	OIL FILLER CAP	
5		⇒ 4142X098	1	OIL FILLER CAP	
6	2415633		1	SEALING RING	
7	2314K161 75320		1	SCREW	
8	2314H008 75339		1	SCREW	

REFERENCE ONLY

HBHR2879

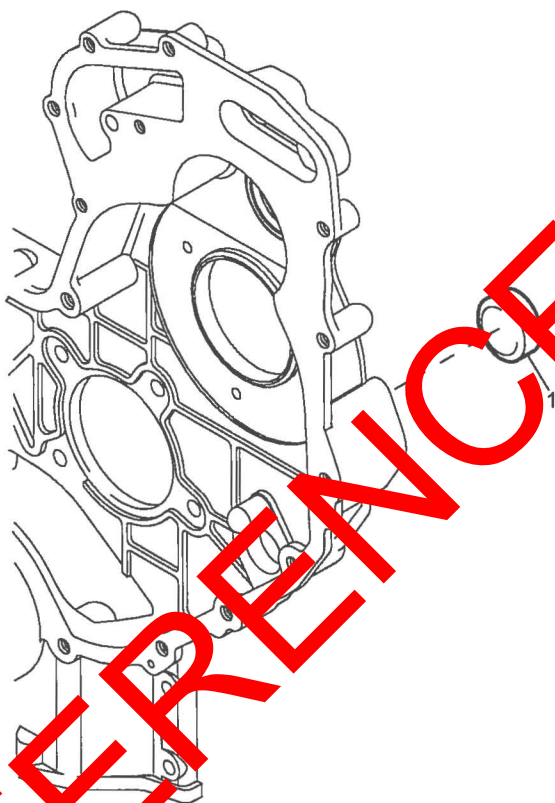


Breather		Plate A
		HBHR2879

Item	Part No.	References	Qty.	Description	Notes
1	4134K022		1	PIPE - BREATHER	
2		⇒ 4134K022	1	BREATHER PIPE	
3	—2415A068		1	SEAL - O RING	
4	—2415H701		1	SEAL - O RING	
5	2314F005		2	SCREW	
6	2481863		1	CLIP	
7	33872632		1	HOSE	
8	3175P003		1	SPRING	
9	36241123		1	SUPPORT BRACKET	

REFERENCE ONLY

HBHR2879



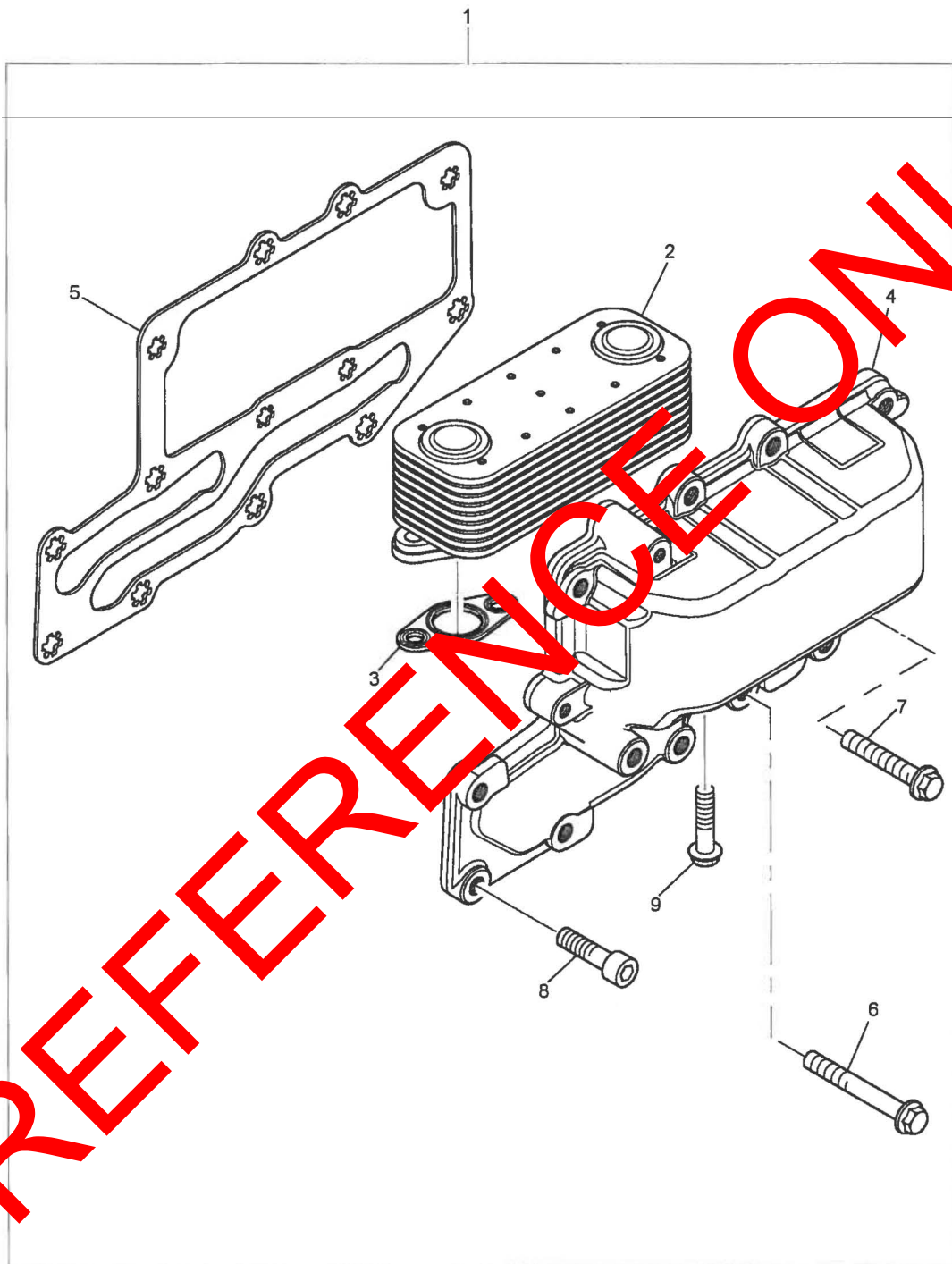
Blanking Plates		Plate A
		HBHR2879

Item	Part No.	References	Qty.	Description	Notes
1	2485A124		1	PLUG	

REFERENCE ONLY

● PPL025118

JBHR2347

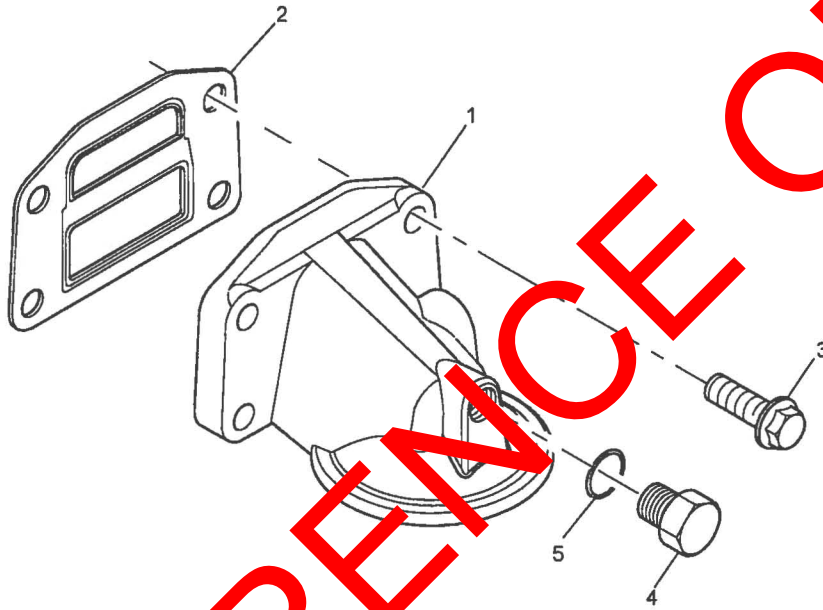


Oil Cooler		Plate A
● PPL025118	JBHR2347	

Item	Part No.	References	Qty.	Description	Notes
1	4134W021		1	OIL COOLER	
2	—2486A217		1	OIL COOLER	
3	—3685A025		2	GASKET - OIL COOLER	
4	—	⇒ 4134W021	1	HOUSING	
5	—3685A033		1	GASKET - OIL COOLER	
6	—2314K161		3	SCREW	
7	—2314H004		8	SCREW	
8	—2311D060		2	SCREW	
9	—2314H006		4	SCREW	

REFERENCE ONLY

JBHR2347

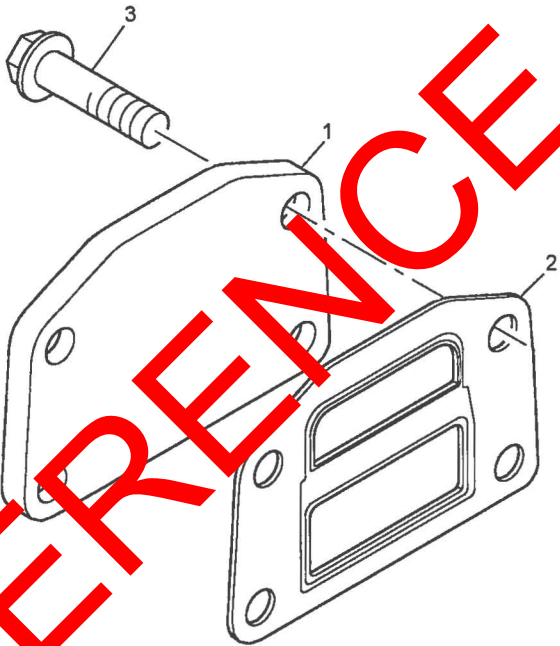


Oil Filter	Plate A
	JBHR2347

Item	Part No.	References	Qty.	Description	Notes
1	3773A061	23123084	1	OIL FILTER HEAD	
2	3688A039	23123085	1	GASKET - OIL FILTER HEAD	
3	2314H034		4	SCREW	
4	3278A007		1	PLUG	
5	2415H009		1	SEAL - O RING	

REFERENCE ONLY

JBHR2347

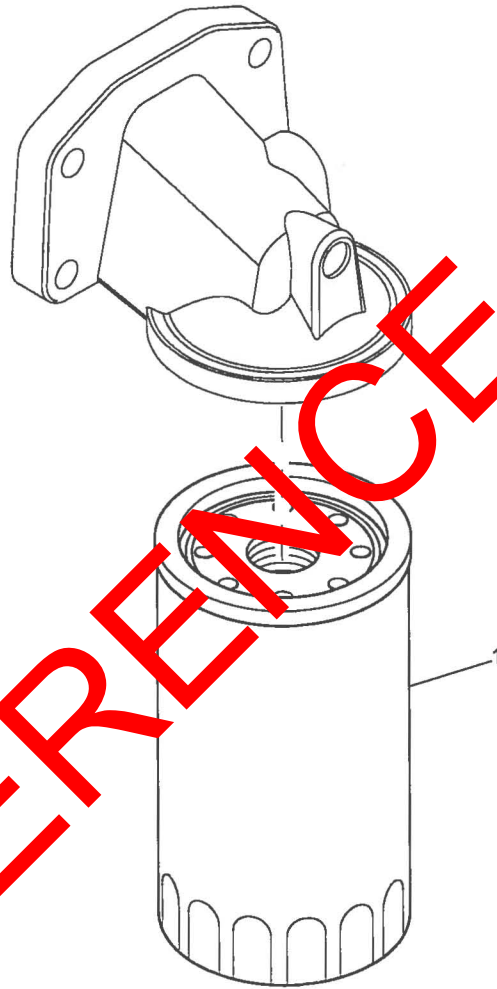


Blanking Plates		Plate A
		JBHR2347

Item	Part No.	References	Qty.	Description	Notes
1	3623A009		1	BLANKING PLATE	
2	3688A039		1	GASKET - OIL FILTER HEAD	
3	2314H033		4	SCREW	

REFERENCE ONLY

JDHR0023



Oil Filter		Plate A
		JDHR0023

Item	Part No.	References	Qty.	Description	Notes
1	2654407	102632	1	OIL FILTER	

REFERENCE ONLY

KBHR0535

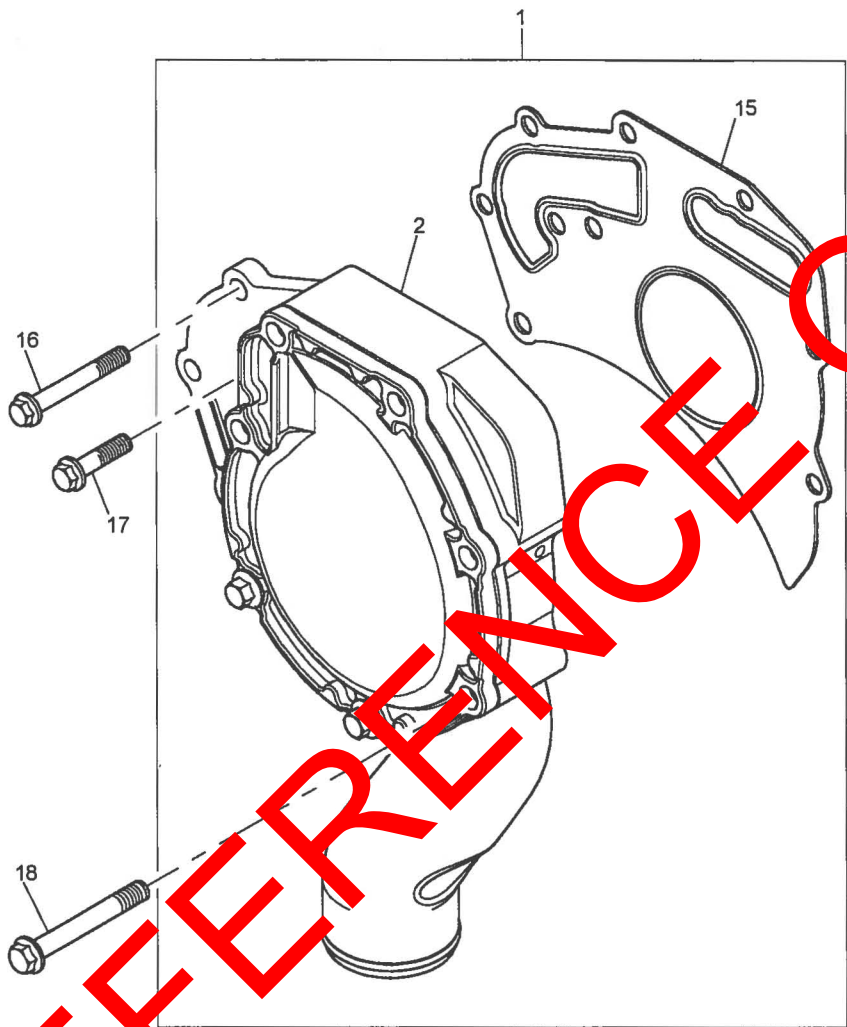


Front End Drive Input	Plate A
	KBHR0535

Item	Part No.	References	Qty.	Description	Notes
1	3115T051		1	CRANKSHAFT PULLEY	75331
2	3241N001		1	BLOCK	
3	32186137 75332		3	BOLT 75332	

REFERENCE ONLY

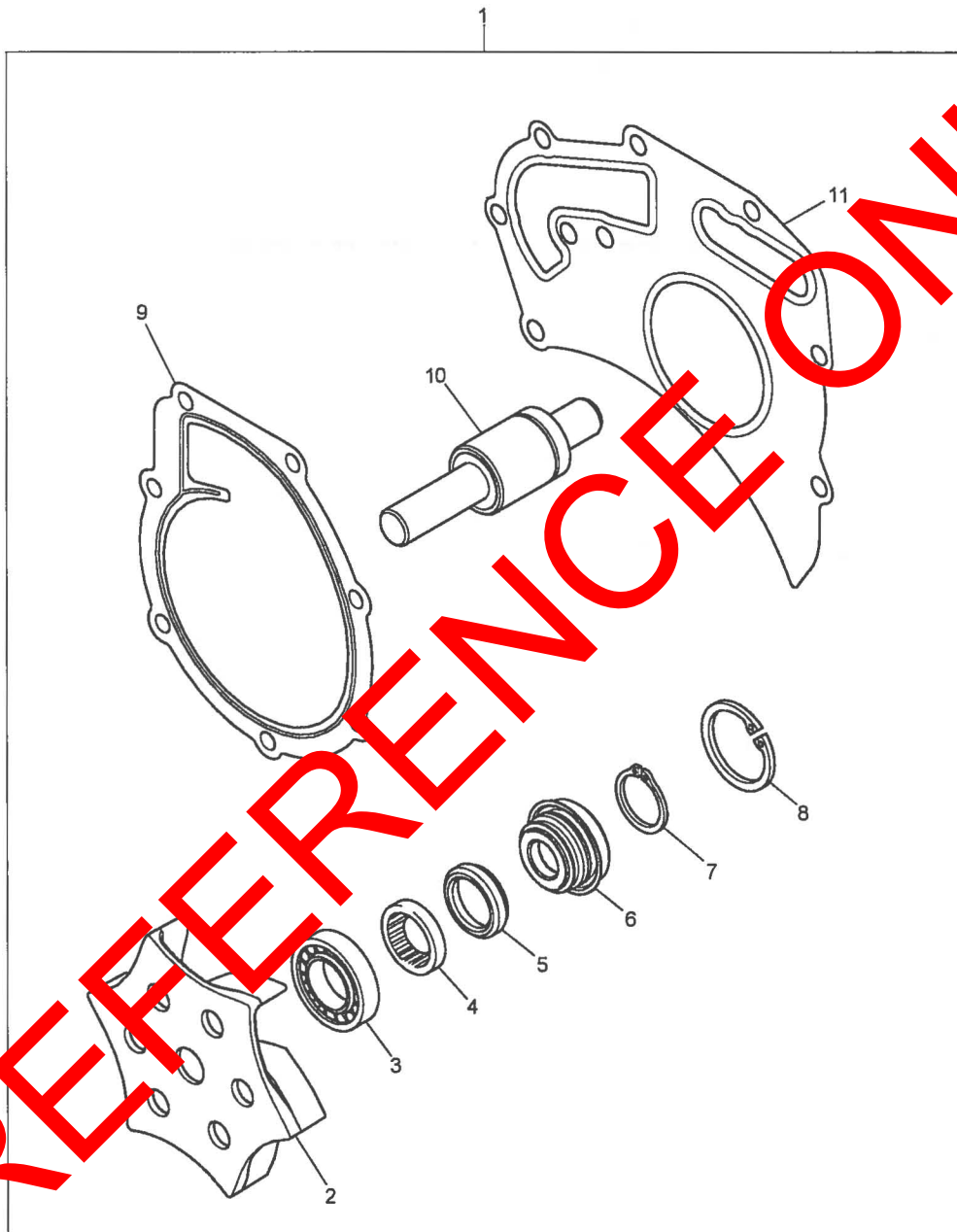
LBHR2253



Water Pump	Plate A
	LBHR2253

Item	Part No.	References	Qty.	Description	Notes
1	U5MW0194 102643		1	WATER PUMP KIT	
2		⇒ U5MW0194	1	WATER PUMP	
3		⇒ U5MW0194	1	BODY	
4		⇒ U5MW0194	1	COVER	
5		⇒ U7LW0172	1	GASKET	
6		⇒ U7LW0172	1	IMPELLER	
7		⇒ U7LW0172	1	DRIVE SHAFT	
8		⇒ U7LW0172	1	SEAL	
9		⇒ U7LW0172	1	CIRCLIP	
10		⇒ U7LW0172	1	CIRCLIP	
11		⇒ U7LW0172	1	ROLLER BEARING	
12		⇒ U7LW0172	1	OIL SEAL	
13		⇒ U7LW0172	1	BEARING	
14	24880232		1	WATER PUMP GEAR	
15	3682A011 102644		1	GASKET - WATER PUMP	(A)
16	2314K164		2	SCREW	
17	2314H005		2	SCREW	
18	2314H012		5	SCREW	
Footnotes					
(A)	ALSO INCLUDED IN REPAIR KIT U7LW0172				

LBHR2253

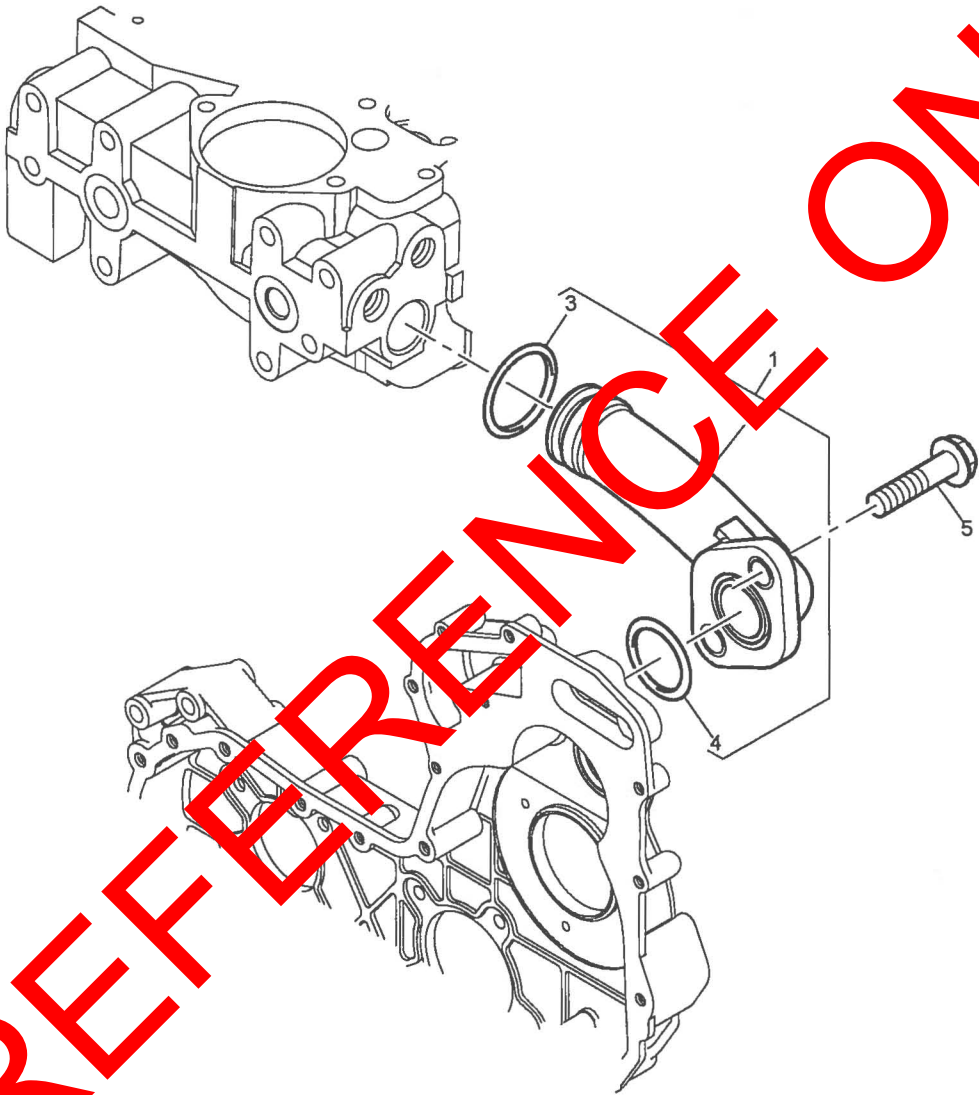


Water Pump		Plate B
		LBHR2253

Item	Part No.	References	Qty.	Description	Notes
1	U7LW0172		1	REPAIR KIT - WATER PUMP	
2		⇒ U7LW0172	1	IMPELLER	
3		⇒ U7LW0172	1	ROLLER BEARING	
4		⇒ U7LW0172	1	BEARING	
5		⇒ U7LW0172	1	OIL SEAL	
6		⇒ U7LW0172	1	SEAL	
7		⇒ U7LW0172	1	CIRCLIP	
8		⇒ U7LW0172	1	CIRCLIP	
9	24880234		1	GASKET - WATER PUMP	
10		⇒ U7LW0172	1	DRIVE SHAFT	
11	3682A011		1	GASKET - WATER PUMP	

REFERENCE ONLY

LBHR2253



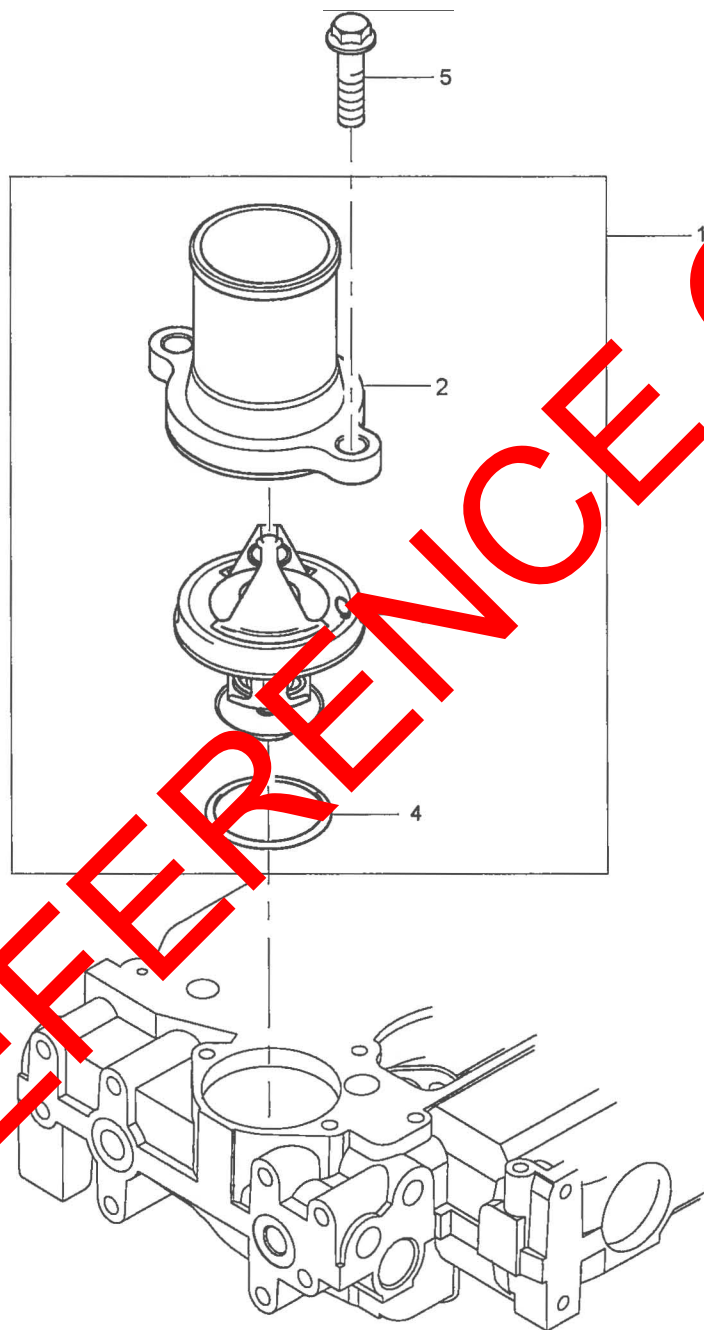
Pipes	Plate A
	LBHR2253

Item	Part No.	References	Qty.	Description	Notes
1	4133L048		1	CONNECTION	
2		⇒ 4133L048	1	CONNECTION	
3	2418F002		1	SEAL - O RING	
4	2418F001		1	SEAL - O RING	
5	2314H003		2	SCREW	

REFERENCE ONLY

→ 31/01/2004

LDHR0702



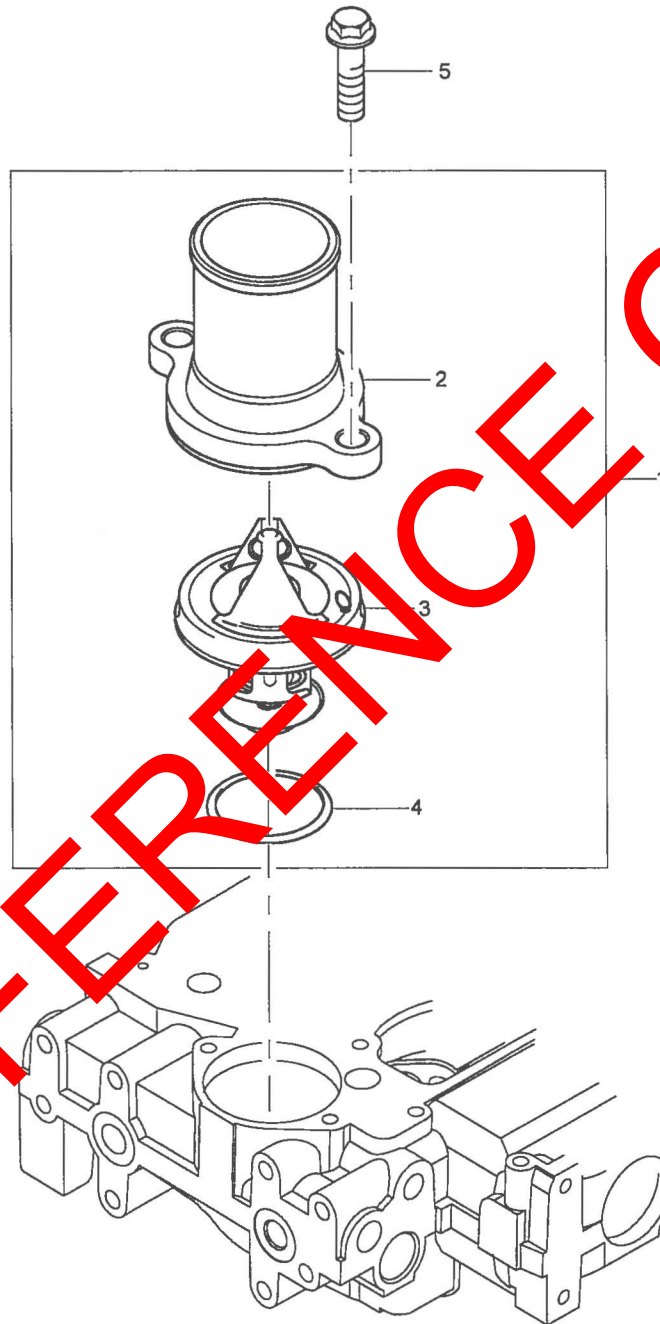
Water Outlet Housing		Plate A
→ 31/01/2004	LDHR0702	

Item	Part No.	References	Qty.	Description	Notes
1	4133L501		1	CONNECTION	
2		⇒ 4133L501 102602	1	CONNECTION	
3	2485C041 102603		1	THERMOSTAT	
4	2415H008 102604		1	SEAL - WATER OUTLET	
5	2314H004 75321		2	SCREW	

REFERENCE ONLY

1 01/02/2004

LDHR0702

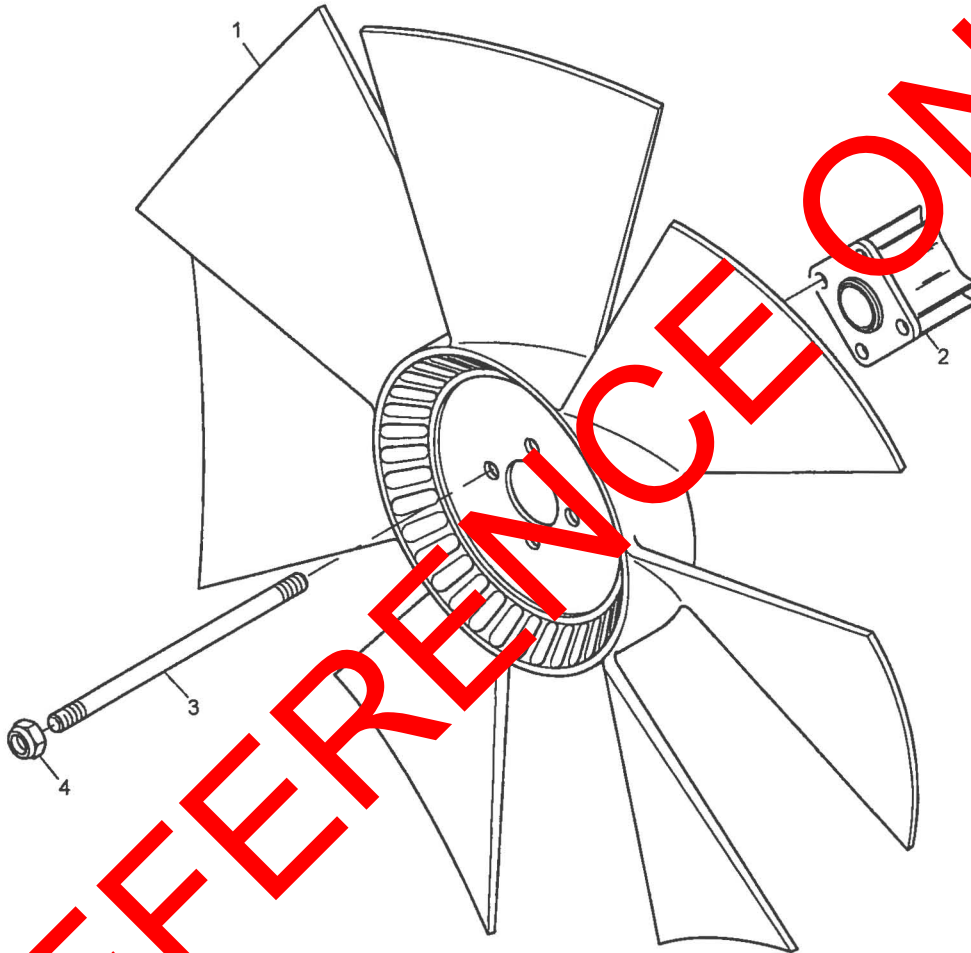


Water Outlet Housing		Plate A
→ 01/02/2004		LDHR0702

Item	Part No.	References	Qty.	Description	Notes
1	4133L507		1	CONNECTION	
2	└─ 2415H219	⇒ 4133L507	1	CONNECTION	
3		⇒ 4133L507	1	THERMOSTAT	
4			1	SEAL - WATER OUTLET	
5	2314H004		2	SCREW	

REFERENCE ONLY

MDHR1357



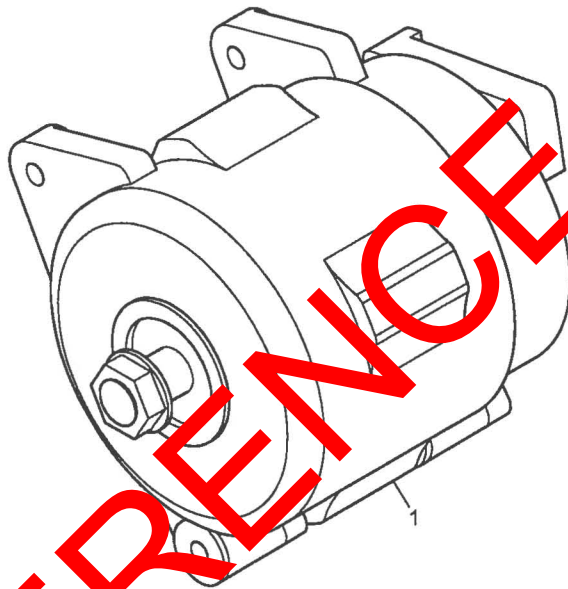
Fan	Plate A
	MDHR1357

Item	Part No.	References	Qty.	Description	Notes
1	2485C514		1	FAN	
2	3748W242		1	EXTENSION	
3	2313H236		4	STUD	
4	2318D208		4	NUT	

23123105
 65490
 53883 (KIT)

REFERENCE ONLY

NDHR2712

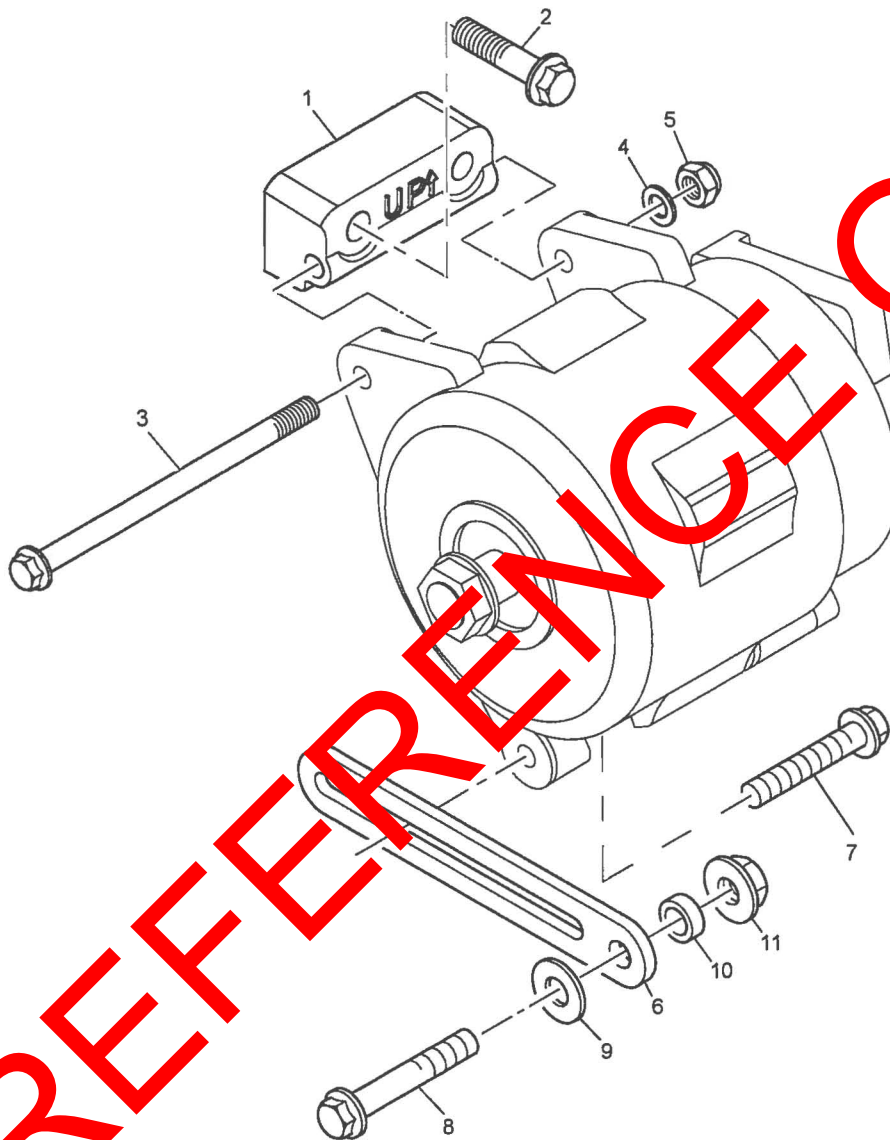


Alternator		Plate A
		NDHR2712

Item	Part No.	References	Qty.	Description	Notes
1	2871A303	102646	1	ALTERNATOR	(A)
Footnotes					
(A)	BREAKDOWN HAS YET TO BE ADVISED				

REFERENCE ONLY

NDHR27/12

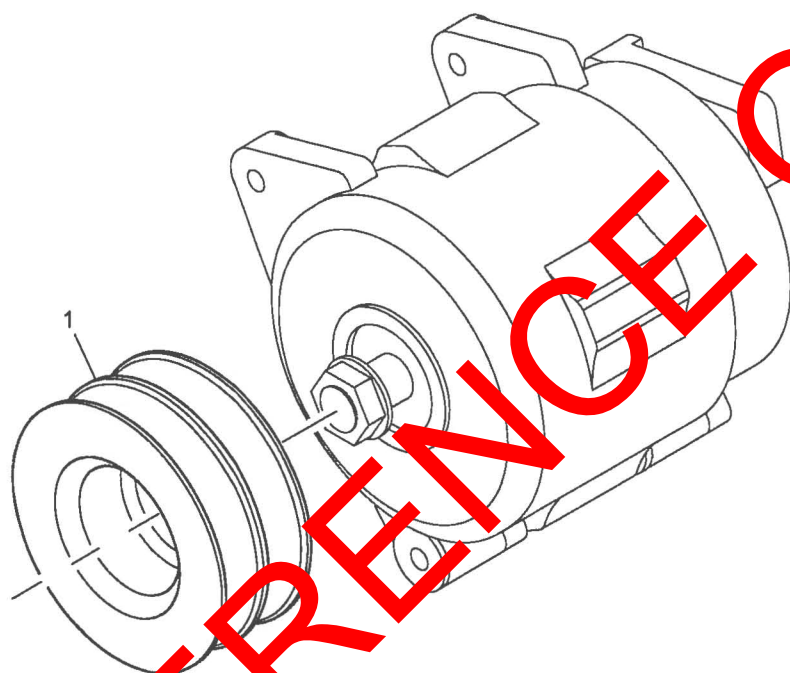


Alternator Bracket & Fixings		Plate A
		NDHR2712

Item	Part No.	References	Qty.	Description	Notes
1	3824A071		1	ALTERNATOR BRACKET	123342
2	2314J007		2	SCREW	
3	2314H052		1	SCREW	
4	2131A008		1	WASHER	
5	2318D208		1	NUT	
6	36155429		1	LEVER	123343
7	2314H004		1	SCREW	
8	2314J012		1	SCREW	
9	0920497		1	WASHER	
10	0920465		1	SPACER	
11	2318A604		1	NUT	

REFERENCE ONLY

NDHR2712

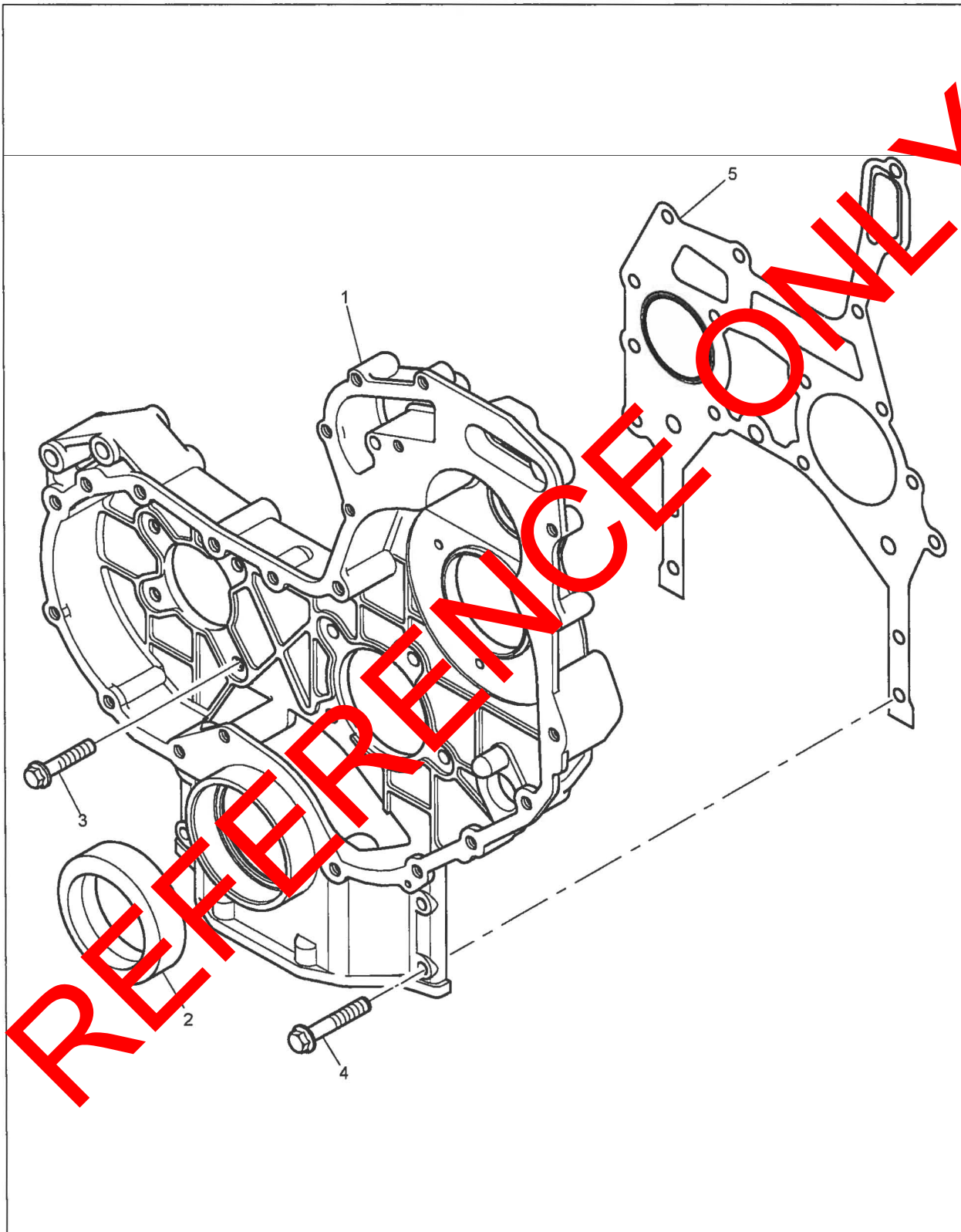


Pulleys		Plate A
		NDHR2712

Item	Part No.	References	Qty.	Description	Notes
1	3115A049	102645	1	2 GROOVE ALTERNATOR PUL-	

REFERENCE ONLY

QCHR0022

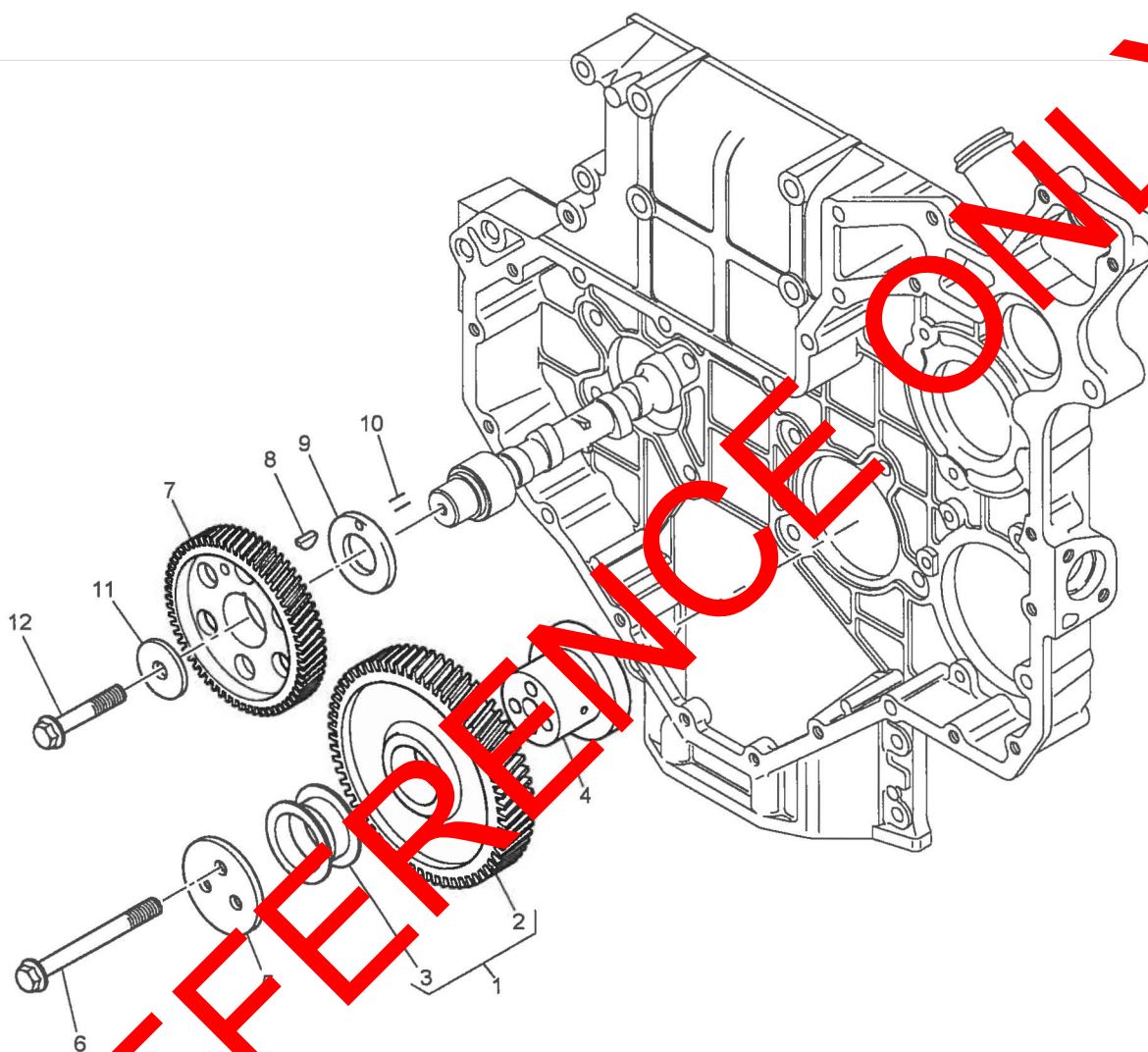


Timing Case		Plate A
		QCHR0022

Item	Part No.	References	Qty.	Description	Notes
1	3716C461		1	TIMING GEAR CASE	
2	2418F437		1	FRONT OIL SEAL	
3	2314H003		8	SCREW	
4	2314H034		4	SCREW	
5	3681P053		1	GASKET - TIMING CASE	

REFERENCE ONLY

QCHR0022

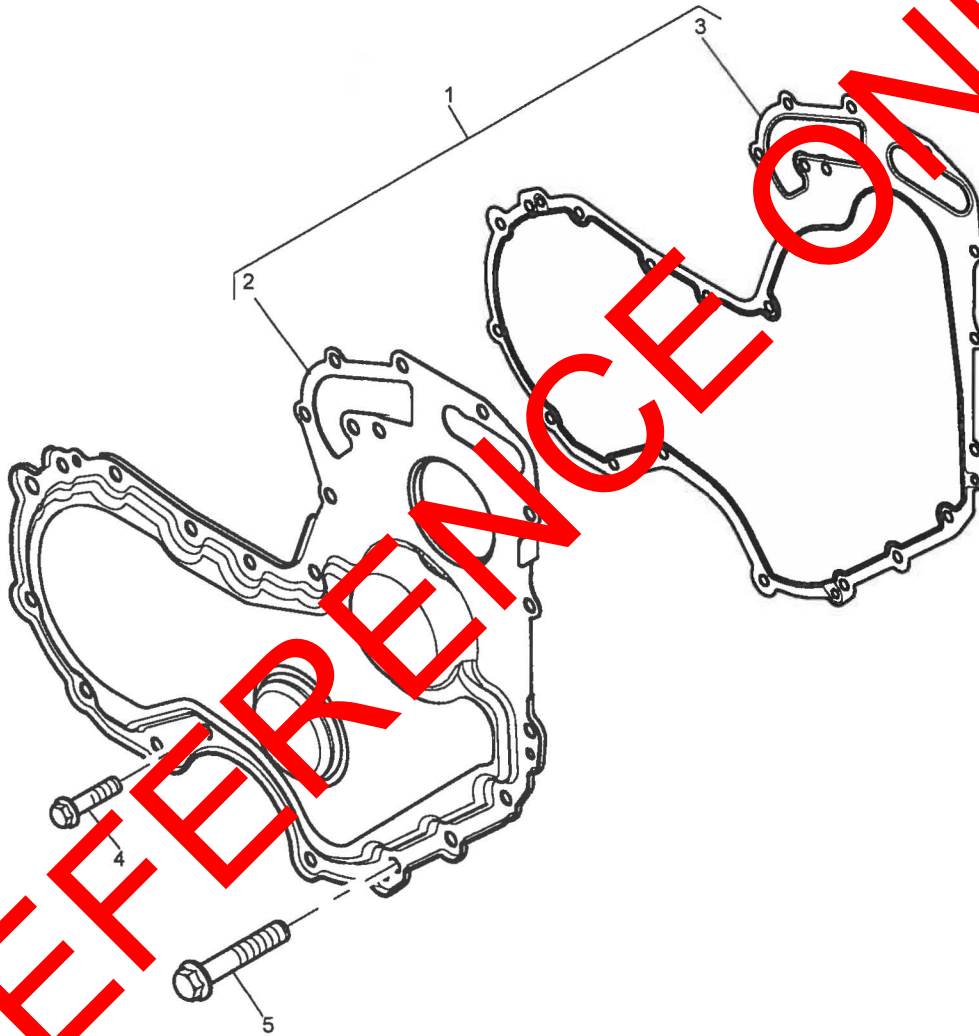


Timing Cover		Plate A
		QCHR0022

Item	Part No.	References	Qty.	Description	Notes
1	4111A034		1	IDLER GEAR	
2		⇒ 4111A034	1	IDLER GEAR	
3		⇒ 4111A034	1	BUSH	
4	3272A041		1	HUB	
5	3241A025		1	PLATE	
6	2314J011		3	SCREW	
7	3117N001		1	CAMSHAFT GEAR	
8	0500012		1	WOODRUFF KEY	
9	3112X011		1	THRUST WASHER	
10	2116053		1	DOWEL	
11	3321A003		1	WASHER	
12	2314J606		1	SCREW	

REFERENCE ONLY

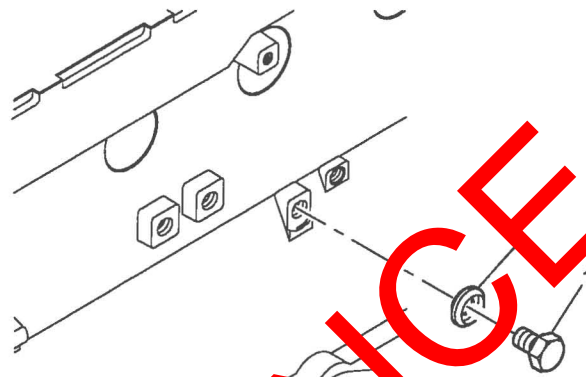
QCHR0022



Timing Cover		Plate B
		QCHR0022

Item	Part No.	References	Qty.	Description	Notes
1	4142A503		1	FRONT COVER KIT	
2		⇒ 4142A503	1	TIMINGGEAR COVER	
3	3681P046		1	GASKET - TIMING CASE COVER	
4	2314H002		10	SCREW	
5	2314H012		5	SCREW	

REFERENCE ONLY

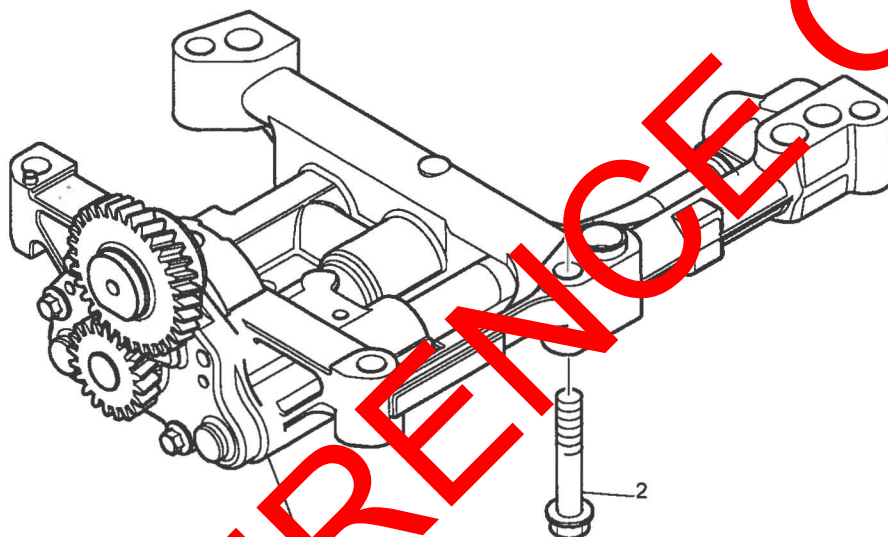


Blanking Plugs		Plate A
		QDHR1368

Item	Part No.	References	Qty.	Description	Notes
1	2314C049		1	SCREW	
2	2415D053		1	WASHER	

REFERENCE ONLY

RBHR0031

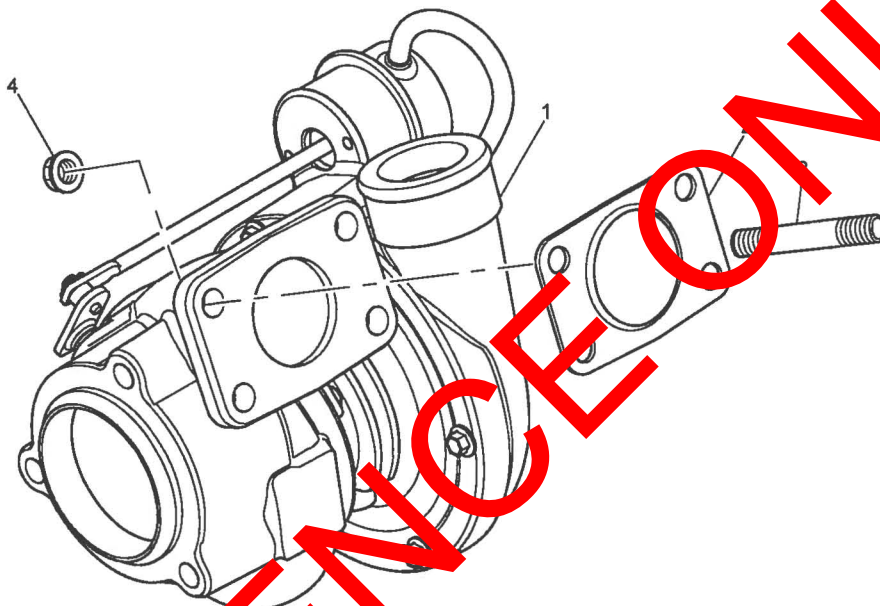


Lubricating Oil Pump & Delivery Housing		Plate A
		RBHR0031

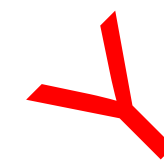
Item	Part No.	References	Qty.	Description	Notes
1	4132F071		1	OIL PUMP	
2	2314J008		5	SCREW	

REFERENCE ONLY

SBHR1460

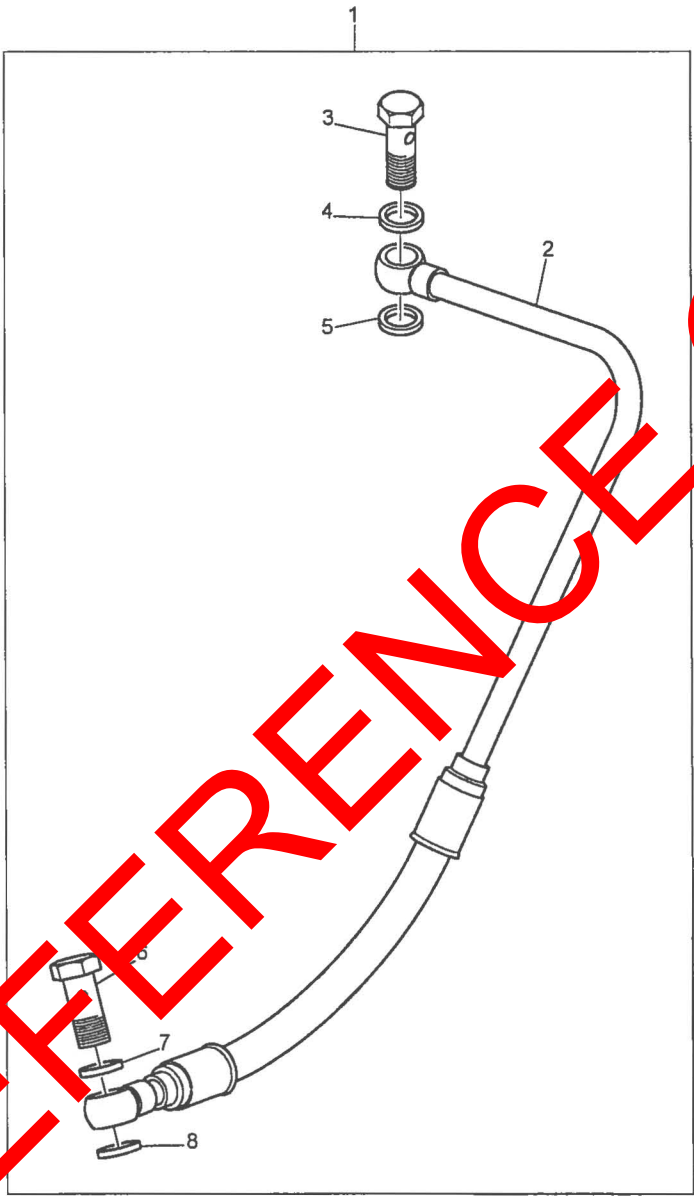


Turbocharger		Plate A
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	2674A200		1	TURBOCHARGER	
2	3688A029		1	GASKET - TURBOCHARGER	
3	2313M377		4	STUD	
4	2318A634		4	NUT	
Service Options					
1	2674A200P		1	TURBOCHARGER	

REFERENCE ONLY

SBHR1460

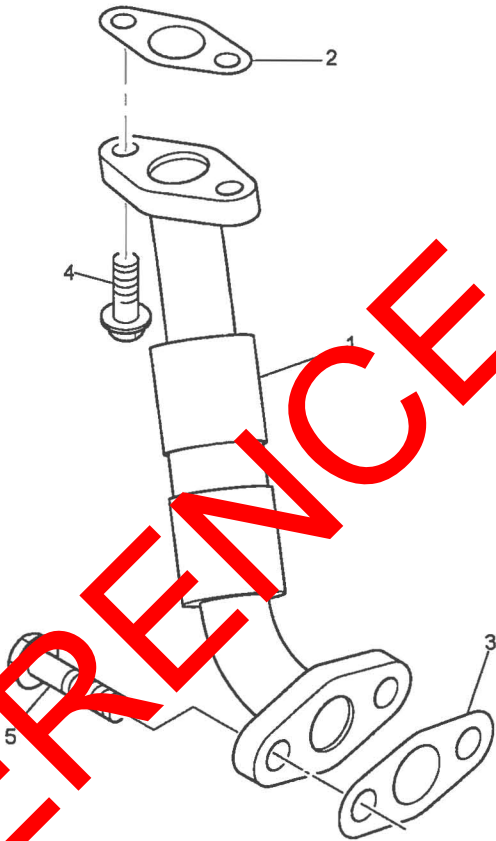


Feed Pipes		Plate A
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	4128A027		1	PIPE - TURBO OIL FEED	
2	—	⇒ 4128A027	1	PIPE - TURBO OIL FEED	
3	—3218R036		1	BANJO BOLT	
4	—2131A506		1	WASHER	
5	—2131A506		1	WASHER	
6	—3218R036		1	BANJO BOLT	
7	—2131A506		1	WASHER	
8	—2131A506		1	WASHER	

REFERENCE ONLY

SBHR1460

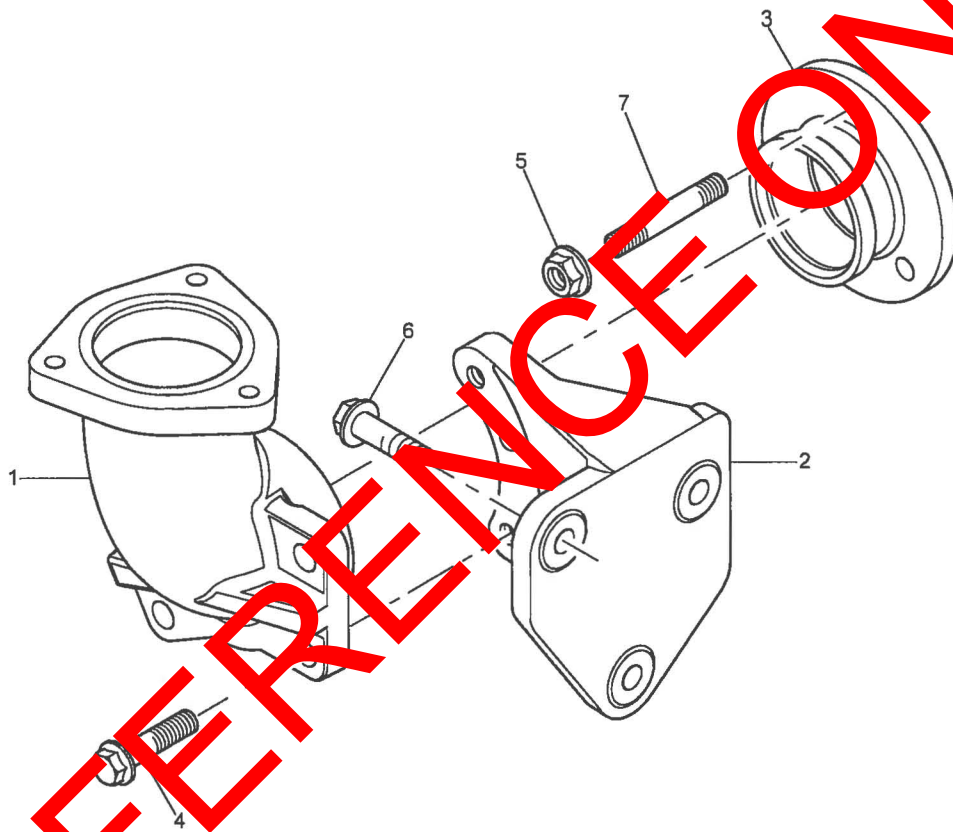


Leak-Off Pipes		Plate A
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	3584A001		1	PIPE - TURBO OIL DRAIN	
2	3688A035		1	GASKET	
3	3688A036		1	GASKET	
4	2314F004		2	SCREW	
5	2314H003		2	SCREW	

REFERENCE ONLY

SBHR1460

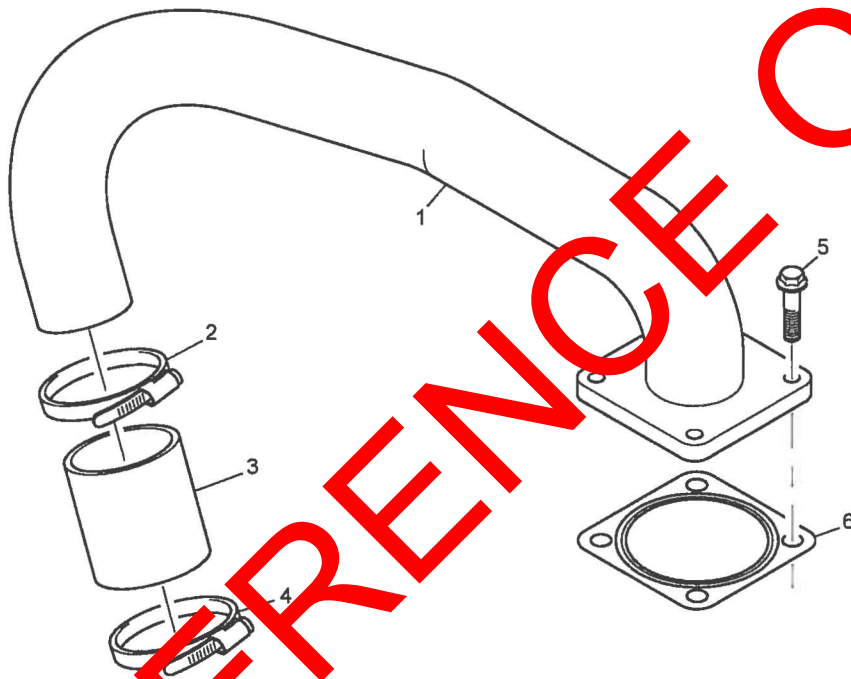


Pipework & Connections		Plate A
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	3766A131	23123086	1	EXHAUST ELBOW	
2	3823A051		1	BRACKET	
3	3347A041		1	ADAPTOR	
4	2314J003	75303	3	SCREW	
5	2318A634	65504	3	NUT	
6	2314J004		2	SCREW	
7	2313M377		3	STUD	

REFERENCE ONLY

SBHR1460

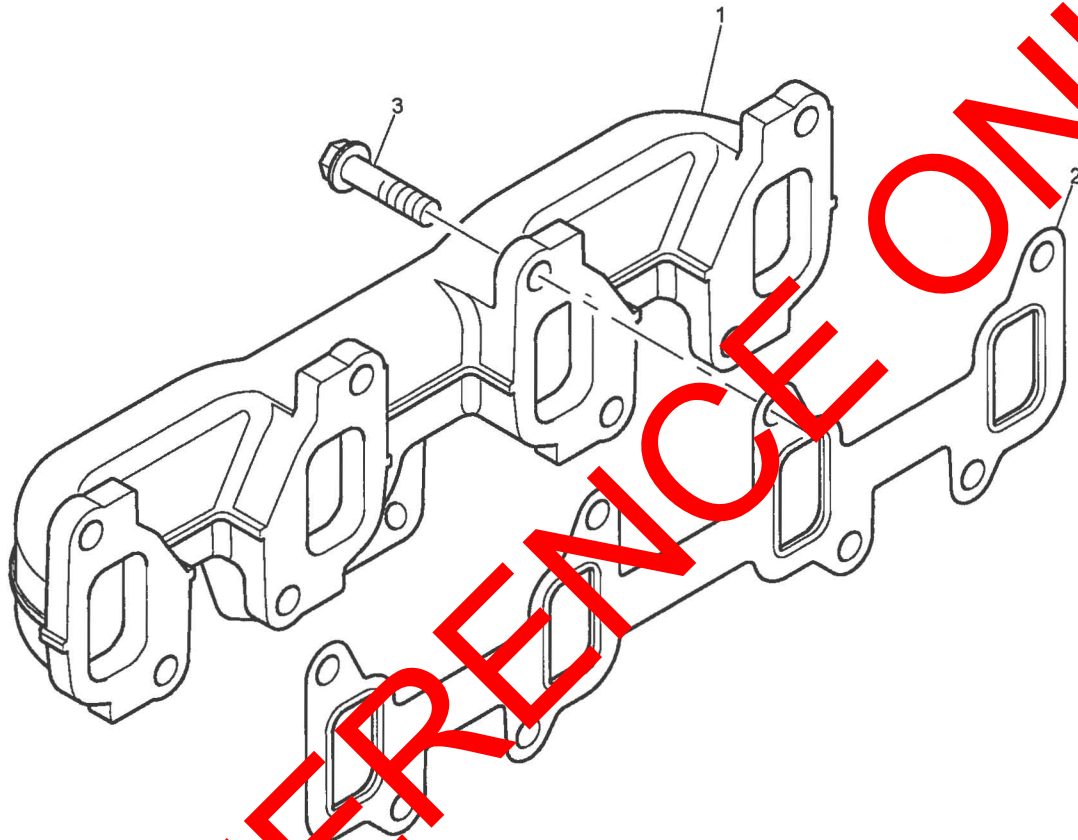


Pipework & Connections		Plate B
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	3571C068 123327		1	PIPE - AIR	
2	2481D073 123328		1	HOSE CLIP	
3	3383A027 123329		1	HOSE	
4	2481D073 123328		1	HOSE CLIP	
5	2314H033 123330		4	SCREW	
6	3688A037 123331		1	GASKET - IND MANIFOLD	

REFERENCE ONLY

SBHR1460

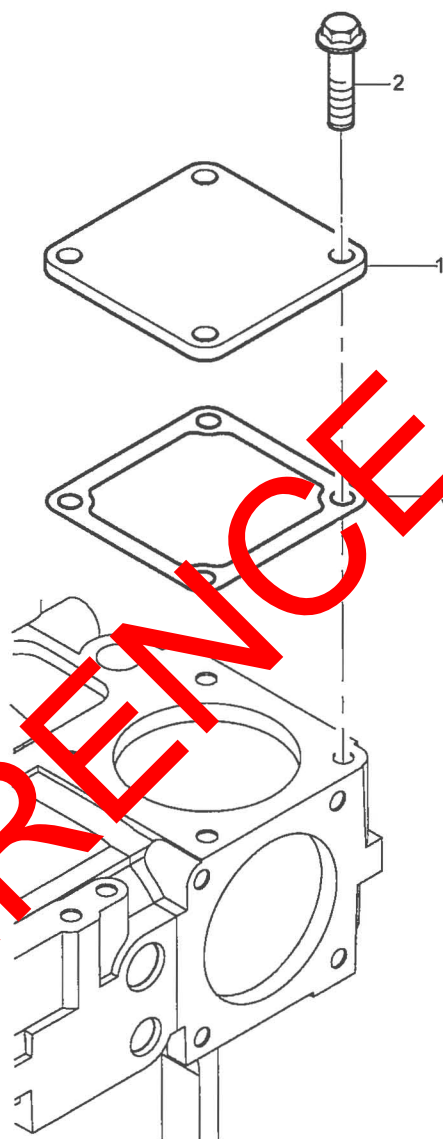


Exhaust Manifold		Plate A
		SBHR1460

Item	Part No.	References	Qty.	Description	Notes
1	3778E203	102605	1	EXHAUST MANIFOLD	
2	3681V512	102630	1	GASKET - EXHAUST MANIFOLD	
3	3218J013		8	SCREW	

REFERENCE ONLY

TBHR0886



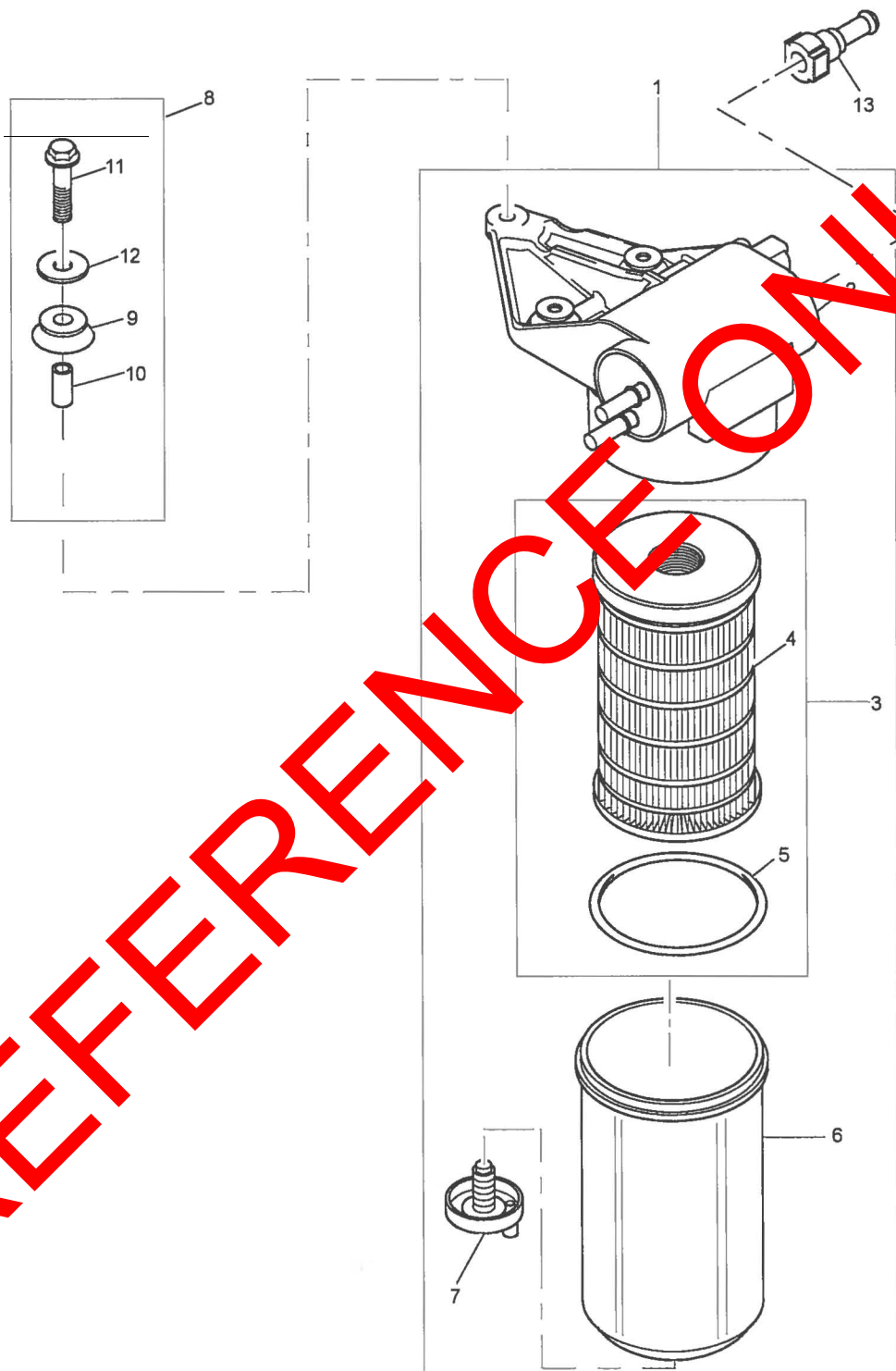
Pipework & Connections		Plate A
		TBHR0886

Item	Part No.	References	Qty.	Description	Notes
1	3611M006		3	PLATE	
2	2314H033		12	SCREW	
3	3684N503		3	GASKET	

REFERENCE ONLY

● PPL023952

VBHR2178

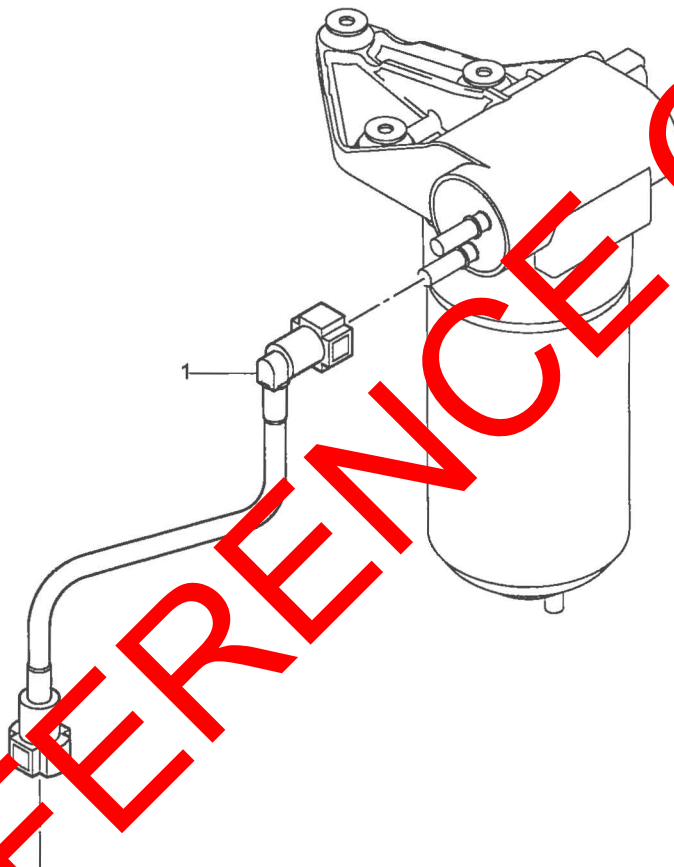


Lift Pump		Plate C
PPL023952		VBHR2178

Item	Part No.	References	Qty.	Description	Notes
1	4132A014 23123087		1	LIFT PUMP	
2		⇒ 4132A014	1	LIFT PUMP	
3	26560201 102639		1	FUEL FILTER	
4		⇒ 26560201	1	FUEL FILTER ELEMENT	
5		⇒ 26560201	1	O RING	
6	2656F837 23123088		1	BOWL	
7	2656F836		1	DRAIN PLUG	
8	U5MK0696		1	MOUNTING KIT	
9		⇒ U5MK0696	6	MOUNTING	
10		⇒ U5MK0696	3	SPACER	
11	2314F009		3	SCREW	
12	2131A507		3	WASHER	
13	3763A046		1	CONNECTION	

REFERENCE ONLY

VBHR2178



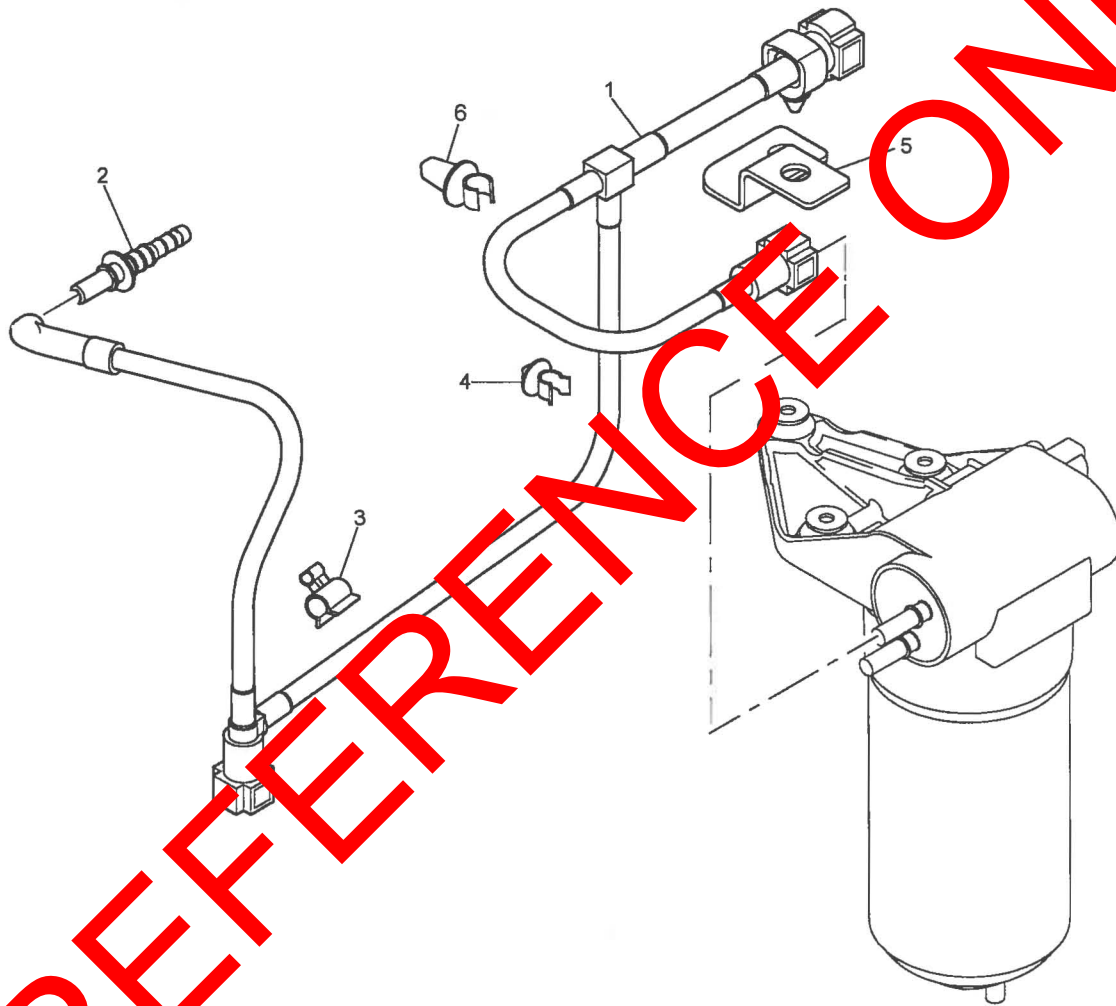
Filter to Injection Pump Pipe		Plate A
		VBHR2178

Item	Part No.	References	Qty.	Description	Notes
1	2646F001		1	PIPE - LOW PRESSURE FUEL	

REFERENCE ONLY

● PPL030522

VBHR2178

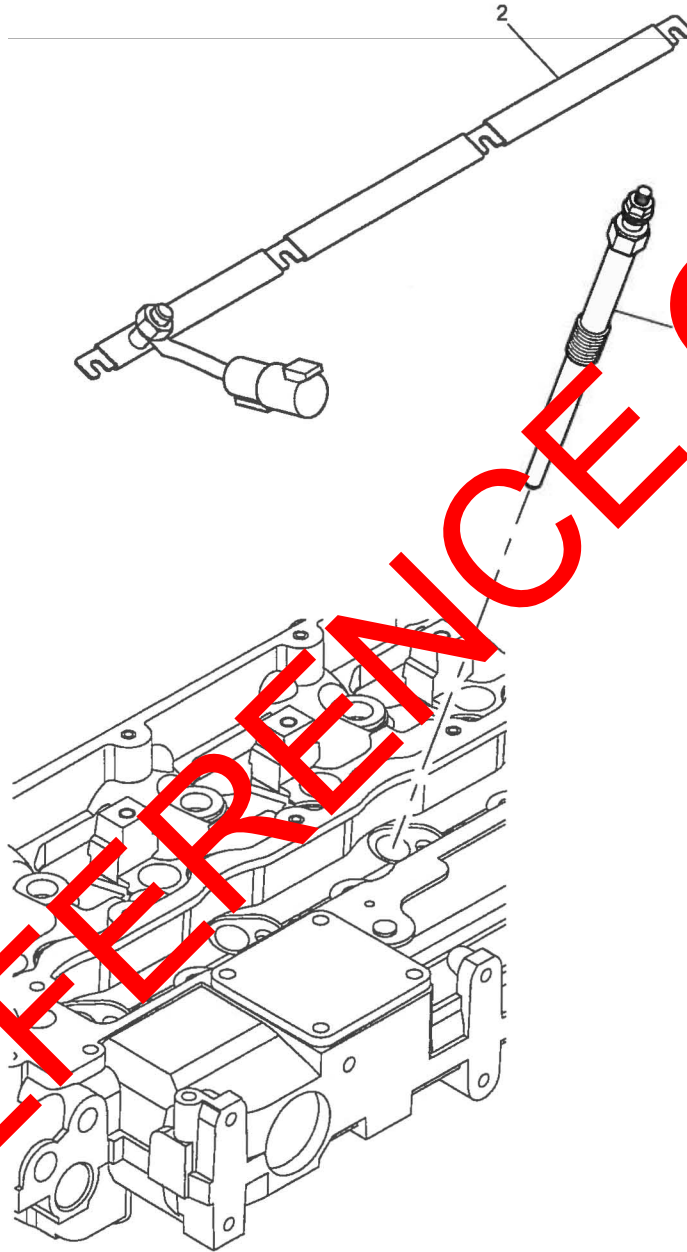


Injection Pump to Filter Pipe		Plate B
PPL030522		VBHR2178

Item	Part No.	References	Qty.	Description	Notes
1	2646F009		1	PIPE - LOW PRESSURE FUEL	
2	3763A045		1	CONNECTION	
3	K138AF02		1	CLIP	
4	2481D456		1	CLIP	
5	3733A011		1	BRACKET	
6	2481D558		2	CLIP	

REFERENCE ONLY

WDHR0345

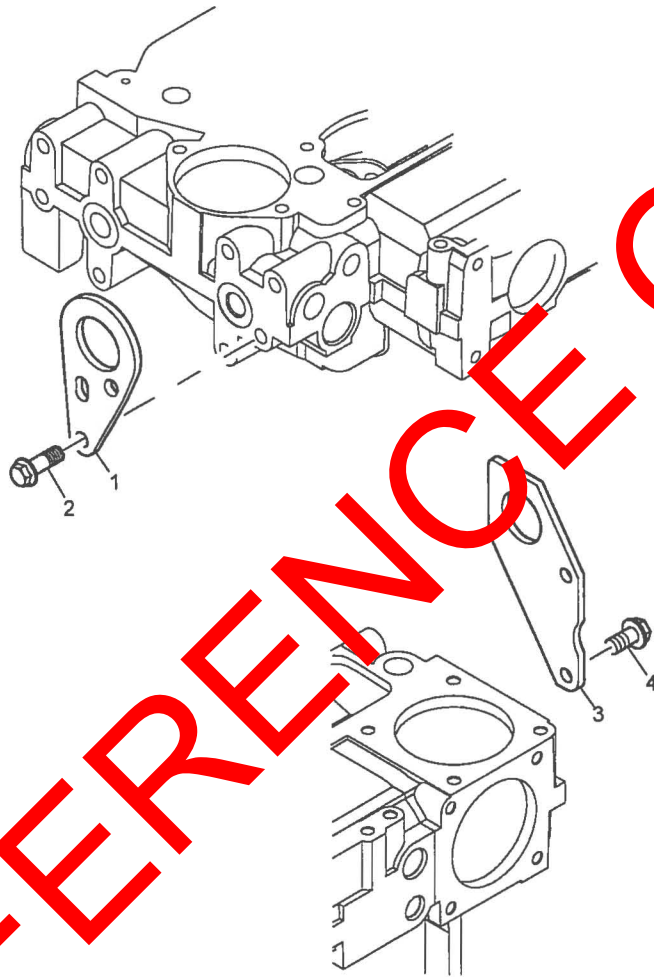


Heater Plugs		Plate A
		WDHR0345

Item	Part No.	References	Qty.	Description	Notes
1	2666A016	23123089	4	GLOWPLUG	
2	3161C019		1	BAR	

REFERENCE ONLY

XBHR0458

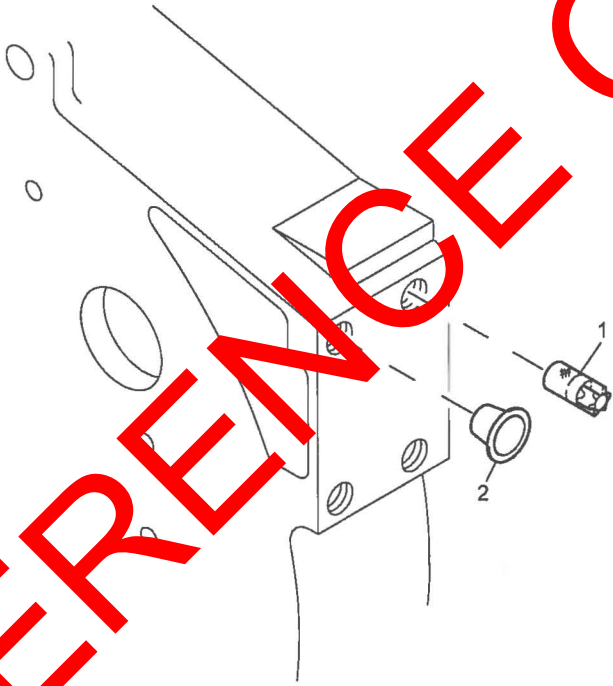


Engine Lifting Eyes		Plate A
		XBHR0458

Item	Part No.	References	Qty.	Description	Notes
1	3617A015		1	LIFTING BRACKET	
2	2314J002		2	SCREW	
3	3624A016		1	LIFTING BRACKET	
4	2314J002		2	SCREW	

REFERENCE ONLY

ZCHR1178

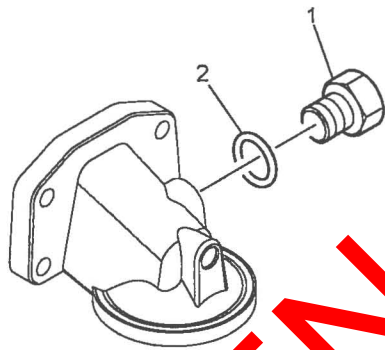


Engine Mounts		Plate A
		ZCHR1178

Item	Part No.	References	Qty.	Description	Notes
1	3212V004		4	PLUG	
2	2487208		6	PLUG	

REFERENCE ONLY

ZJHR0546



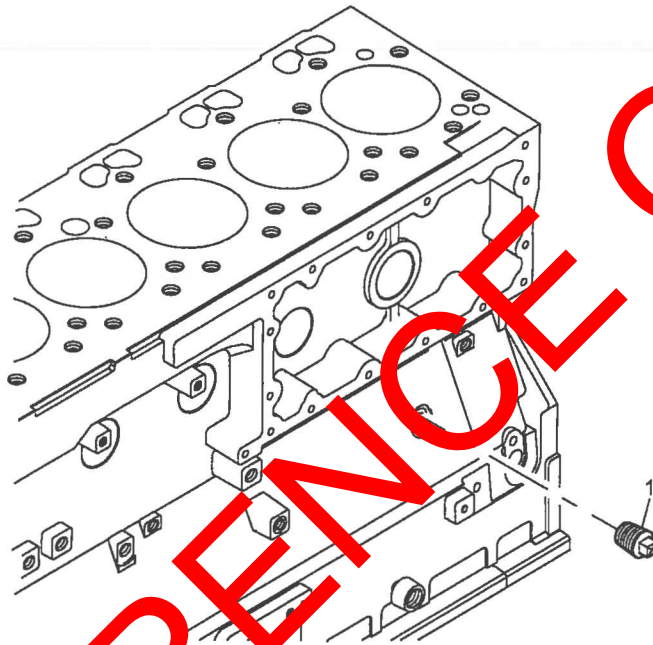
REFERENCE ONLY

Lubricating Oil Pressure Switch/Gauge		Plate A
		ZJHR0546

Item	Part No.	References	Qty.	Description	Notes
1	3278A004		1	PLUG	
2	2415H002		1	SEAL - SENSOR	

REFERENCE ONLY

ZJHR0546



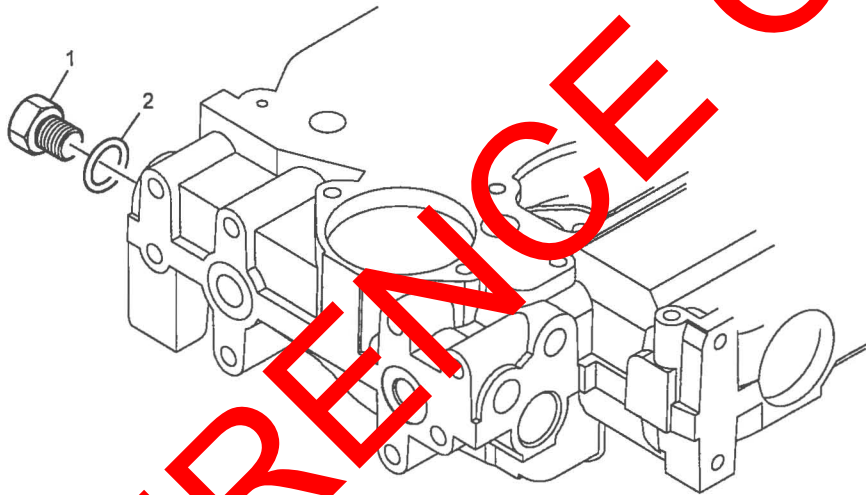
REFERENCE ONLY

Lubricating Oil Pressure Switch/Gauge		Plate B
		ZJHR0546

Item	Part No.	References	Qty.	Description	Notes
1	0650594		1	PLUG	

REFERENCE ONLY

ZLHR0360

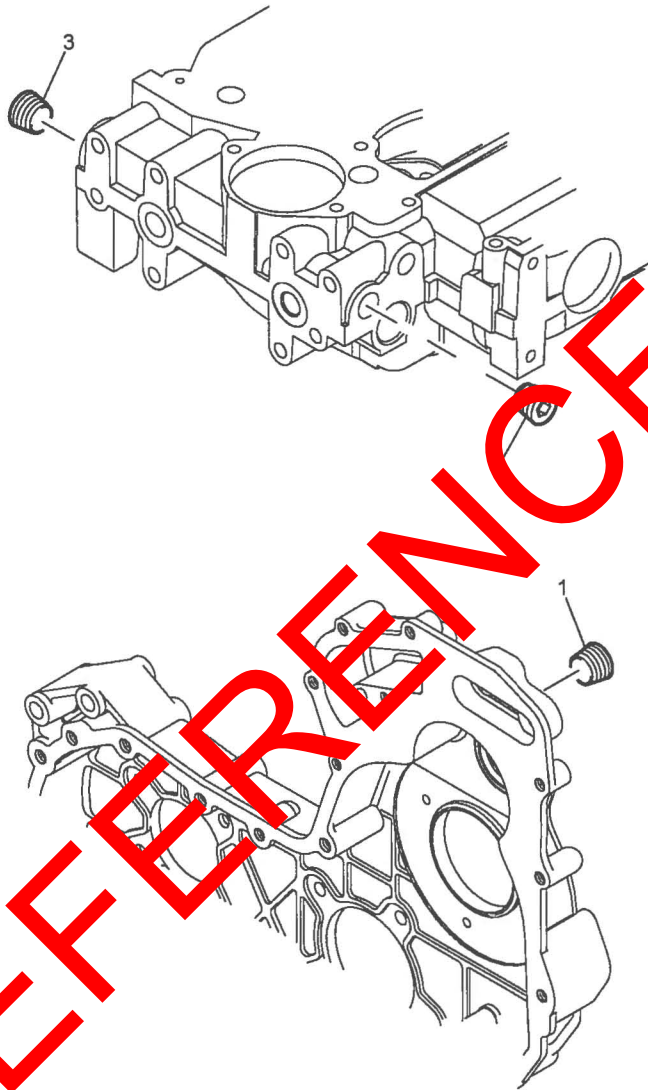


Temperature Gauge & Sender		Plate A
		ZLHR0360

Item	Part No.	References	Qty.	Description	Notes
1	3278A006		1	PLUG	
2	2415H003		1	SEAL - SENSOR	

REFERENCE ONLY

ZZHR1012



Miscellaneous & Auxiliaries		Plate A
		ZZHR1012

Item	Part No.	References	Qty.	Description	Notes
1	2431154		1	PLUG	
2	2431154		1	PLUG	
3	2431154		1	PLUG	

REFERENCE ONLY

SACR0350

Top Service Kit

Kit d'Entretien Haut du Moteur

Wartungssatz für Motoroberteil

Kit per la manutenzione della parte superiore del motore

Juego de Servicio Superior

REFERENCE ONLY

Top Service Kit	Plate A
	SACR0350

Item	Part No.	References	Qty.	Description	Notes
1	U5LT0350		1	GASKET KIT - TOP	
2	—3681E051		1	GASKET - CYLINDER HEAD	
3	—3681A055		1	GASKET - CYL. HEAD COVER	
4	—2415H008		1	SEAL - WATER OUTLET	
5	—3681V512		1	GASKET - EXHAUST MANIFOLD	
6	—3684N503		1	GASKET	
7	—3688A035		1	GASKET	
8	—3688A029		1	GASKET - TURBOCHARGER	
9	—L311FF02		4	INJECTOR WASHER	
10	—3688A036		1	GASKET	
11	—2418M514		4	SEAL - VALVE STEM (A)	
12	—2418M519		4	VALVE STEM SEAL (B)	

Footnotes	
(A)	BROWN
(B)	GREEN

REFERENCE ONLY

SGBR0376

1

Bottom Joints & Gasket Kit

Kit d'Entretien Bas du Moteur

Wartungssatz für Motorunterteil

Kit per la manutenzione della parte inferiore del motore

Juego de Servicio de la Parte Inferior

REFERENCE ONLY

Bottom Service Kit		Plate A
		SGBR0376

Item	Part No.	References	Qty.	Description	Notes
1	U5LB0376		1	BOTTOM JOINT AND GASKET	

REFERENCE ONLY

REFERENCE ONLY

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2 GROOVE ALTERNATOR PULLEY	3115A049	97
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ALTERNATOR BRACKET	3824A071	95
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BLANKING PLATE	3623A009	13, 15
BLOCK	3241N001	7
BOLT	3218R037	79
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BOWL	3556F837	123
BRACKET	3641A007	29, 31
	3653A017	39
	3733A011	127
	3823A051	115
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CYLINDER HEAD BOLT	3218A011	23
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EXHAUST ELBOW	3766A131	115
EXHAUST MANIFOLD	3778E203	119
EXHAUST VALVE	3142A151	23
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FLYWHEEL HOUSING	3713K027	77
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REFERENCE ONLY