



**POWER SOLUTIONS  
INTERNATIONAL**

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# **32L ENGINE PARTS BOOK**

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Engine Model: PSI 32L, TURBO  
Engine Family: PSI, Stationary  
Engine Spec N.:  
Parts Book Revision: March, 2021

## TABLE OF CONTENTS

SECTION	PAGE
PM AND SVC KITS.....	4-8
CYLINDER BLOCK.....	9
CRANKCASE.....	10
CYLINDER LINERS.....	11
FLYWHEEL HOUSING.....	12
REAR OIL SEAL.....	13
FRONT COVER.....	14
CRANKSHAFT.....	15
FLYWHEEL.....	16
RING GEAR.....	17
PISTON AND ROD.....	18
CONNECTING ROD BUSHING AND BOLT.....	19
CYLINDER HEAD.....	20
CYLINDER HEAD SUB ASSY.....	21
CYLINDER HEAD COVER.....	22
VALVE TRAIN.....	23
CAMSHAFT.....	24
ROCKER ARM PARTS.....	25
GEAR DRIVE.....	26
CRANKSHAFT PULLEY.....	27
OIL PAN.....	28-29
OIL PUMP.....	30
OIL FILTER.....	31
OIL PIPE.....	32

## TABLE OF CONTENTS

SECTION	PAGE
OIL COOLER .....	33
ROCKER ARM OIL PIPE .....	34
WATER PUMP .....	35
WATER PIPE .....	36-37
THERMOSTAT .....	38-39
FAN BRACKET .....	40
EXHAUST MANIFOLD .....	41
INTAKE MANIFOLD .....	42
TENSIONER AND BELT .....	43
STARTER.....	44
ENGINE BRACKET .....	45
ALTERNATOR.....	46
OIL FILL TUBE .....	47
KNOCK SENSOR.....	48
IGNITION COIL.....	49
ELECTRICAL.....	50-51
THROTTLE BODY.....	52
FUEL MOUNT .....	53
CCV .....	54-55
FUEL .....	56
EPR .....	57
LOCK OFF VALVE .....	58
TURBOCHARGER .....	59
AIR FILTER.....	60-61
RELEIF VALVE.....	62
CATALYST .....	63
BARRING OVER TOOL .....	64
REVISIONS.....	65

## 32L PM AND SERVICE KITS

PM KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
1	799100	STANDARD PM KIT	1	PER ENG.
2	799200	STANDARD PM KIT WITH SPARK PLUGS	1	PER ENG.

SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
A	799600	COMPLETE GASKET KIT	1	PER ENG.
B	799300	LINER KIT	1	PER CYL.
C	799400	TOP GASKET KIT	1	PER ENG.
D	799500	CYLINDER HEAD KIT	1	PER HEAD

## 32L PM AND SERVICE KITS

### PM KIT 1 STANDARD KIT 799100

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PM KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732274	FILTER, OIL	6	
1	732023	GASKET, CYLINDER HEAD COVER	12	

### PM KIT 2 STANDARD WITH SPARK PLUGS KIT 799200

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PM KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
2	732274	FILTER, OIL	6	
2	732023	GASKET, CYLINDER HEAD COVER	12	
2	53000220	PLUG, SPARK	12	

**SVC KIT A COMPLETE GASKET  
KIT 799600**

SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
A	732031	GASKET, COVER	10	
A	732394	SEAL, REAR OIL	1	
A	732166	SEAL, FRONT COVER	1	
A	732167	O-RING	1	
A	732074	GASKET, CYLINDER HEAD	12	
A	732067	SEAL, VALVE STEM	24	
A	732061	SEAL, VALVE STEM	24	
A	732024	O-RING	24	
A	732023	GASKET, CYLINDER HEAD COVER	12	
A	732219	O-RING	2	
A	732216	WASHER	2	
A	732456	O-RING	2	
A	732042	O-RING	3	
A	732266	GASKET	2	
A	732282	O-RING	4	
A	732285	GASKET	7	
A	732283	GASKET	2	
A	732217	O-RING	1	
A	732351	WASHER	1	
A	732447	WASHER	24	

**SVC KIT A COMPLETE GASKET CONT.  
KIT 799600**

SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
A	732449	WASHER	4	
A	732229	GASKET	2	
A	732242	O-RING	2	
A	732241	O-RING	2	
A	732191	GASKET	11	
A	732336	GASKET	12	
A	732218	O-RING	3	
A	732160	O-RING	12	
A	732158	O-RING	12	
A	732467	O-RING	4	
A	732118	O-RING	4	
A	732117	O-RING	7	
A	732099	SEAL	2	
A	732088	WASHER	10	
A	732116	SEAL	2	
A	732105	O-RING	2	
A	732106	O-RING	2	
A	732155	O-RING	4	
A	732149	GASKET, INTAKE MANIFOLD	12	
A	732156	O-RING	8	
A	732046	GASKET, EXHAUST MANIFOLD	12	
A	732055	GASKET, EXHAUST MANIFOLD	2	
A	732048	GASKET, EXHAUST MANIFOLD	2	
A	732471	GASKET	1	
A	53500212	GASKET, THROTTLE ADAPTOR	3	
A	52500224	GASKET, CRANKCASE VENT	1	
A	52500256	GASKET, OIL DRAIN	1	
A	52500073	O-RING	2	
A	52500243	GASKET	2	
A	52500261	GASKET, TURBO OIL DRAIN	2	
A	53500215	GASKET, TURBO	2	
A	53500227	GASKET, AIR FILTER	2	
A	53500231	GASKET, RELIEF VALVE	1	
A	53500232	GASKET, EXHAUST CATALYST	4	

**SVC KIT B LINER (PER CYLINDER)**  
**KIT 799300**

SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
B	732279	LINER, CYLINDER	1	
B	732381	O-RING	1	
B	732382	O-RING	1	
B	732383	RING, CYLINDER LINER	1	
B	732016	RING, TOP	1	
B	732017	RING, TAPPER	1	
B	732018	RING, SPRING	1	
B	732403	PISTON	1	
B	732020	CLIP	2	
B	732012	BEARING, CONNECTING ROD (UPPER)	1	
B	732013	BEARING, CONNECTING ROD (LOWER)	1	
B	732019	PIN, PISTON	1	
B	732404	BUSHING, CONNECTING ROD	1	

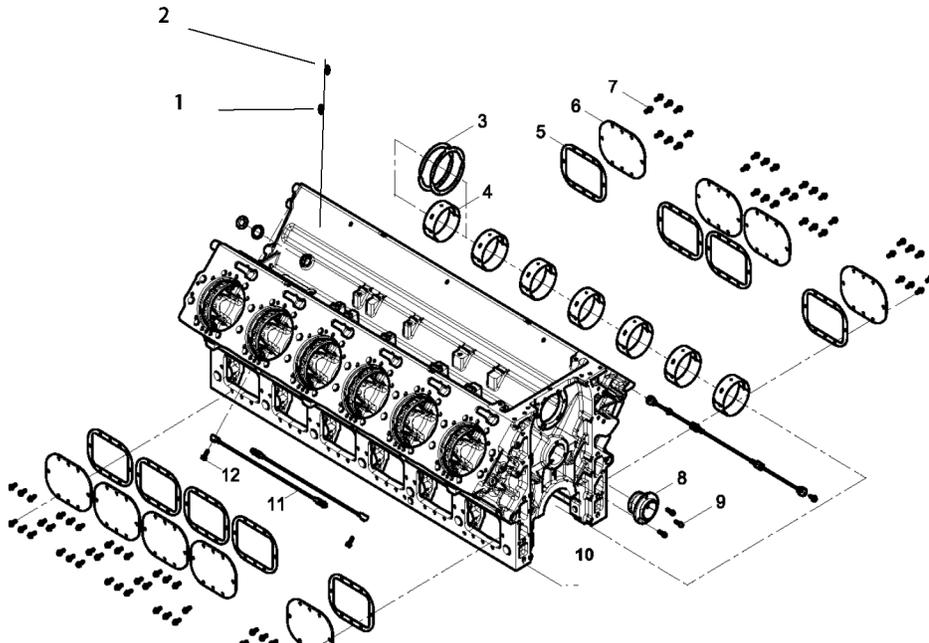
**SVC KIT C TOP GASKET (PER ENGINE)**  
**KIT 799400**

SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
C	732074	GASKET, CYLINDER HEAD	12	
C	732023	GASKET, CYLINDER HEAD COVER	12	
C	732024	O-RING	12	
C	732149	GASKET, INTAKE MANIFOLD	12	
C	732046	GASKET, EXHAUST MANIFOLD	12	

**SVC KIT D CYLINDER HEAD (PER HEAD)**  
**KIT 799500**

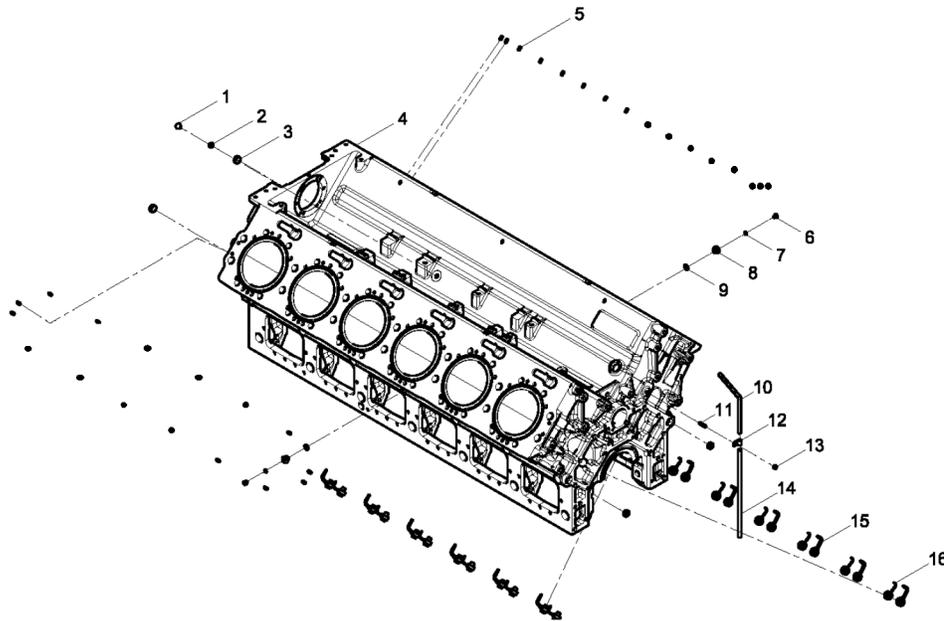
SVC KIT #	PART NUMBER	DESCRIPTION	QTY	NOTES
D	732064	BUSHING, IGNITION COIL	1	
D	732065	GROMMET	1	
D	732067	SEAL, VALVE STEM	2	
D	732061	SEAL, VALVE STEM	2	
D	732408	VALVE, GUIDE	4	
D	732409	BUSHING, SPARK PLUG	1	
D	732024	O-RING	1	
D	732413	SEAT, INTAKE VALVE	2	
D	732414	SEAT, EXHAUST VALVE	2	
D	732132	RETAINER, VALVE SPRING (TOP)	4	
D	732133	COLLET, VALVE	8	
D	732130	RETAINER, VALVE SPRING (BOTTOM)	4	
D	732125	SPRING, INTER VALVE	4	
D	732124	SPRING, OUTER VALVE	4	
D	732121	VALVE, EXHAUST	2	
D	732119	VALVE, INTAKE	2	

## CYLINDER BLOCK



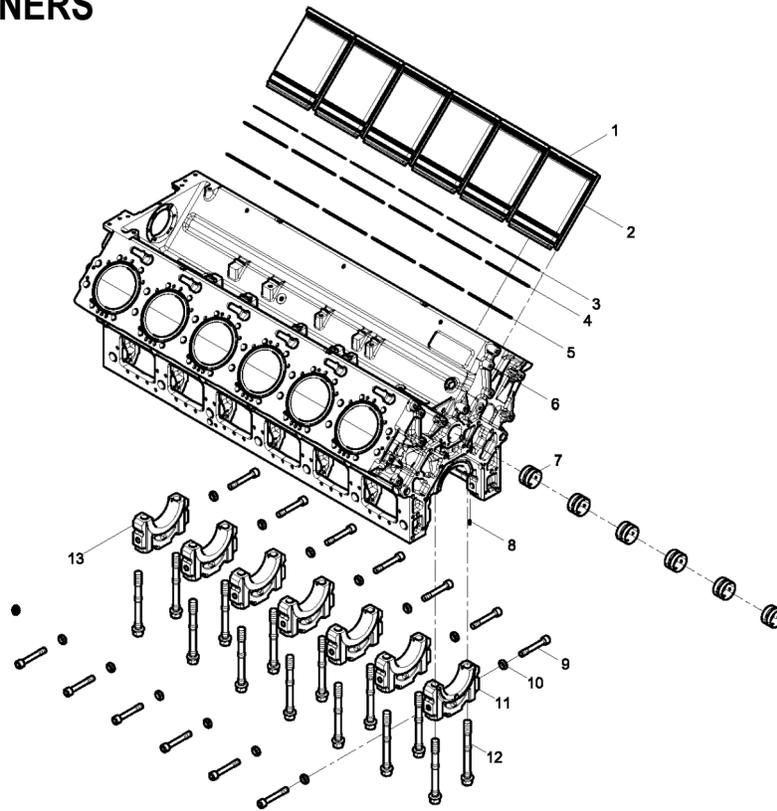
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732036	WASHER	2	
2	732030	PLUG	2	
3	732033	PLATE, THRUST	2	
4	799001	KIT, BEARING, MAIN	1	
5	732031	GASKET, COVER	9	IN KIT A
6	732032	COVER, ENGINE BLOCK	9	
7	732008	BOLT	72	
8	732034	BEARING, THRUST	1	
9	732028	BOLT	3	
10	NSS	CRANKCASE	1	
11	NSS	ROD	4	
12	767222	BOLT	4	
	NSS =	NOT SOLD SEPERATELY		

# CRANKCASE



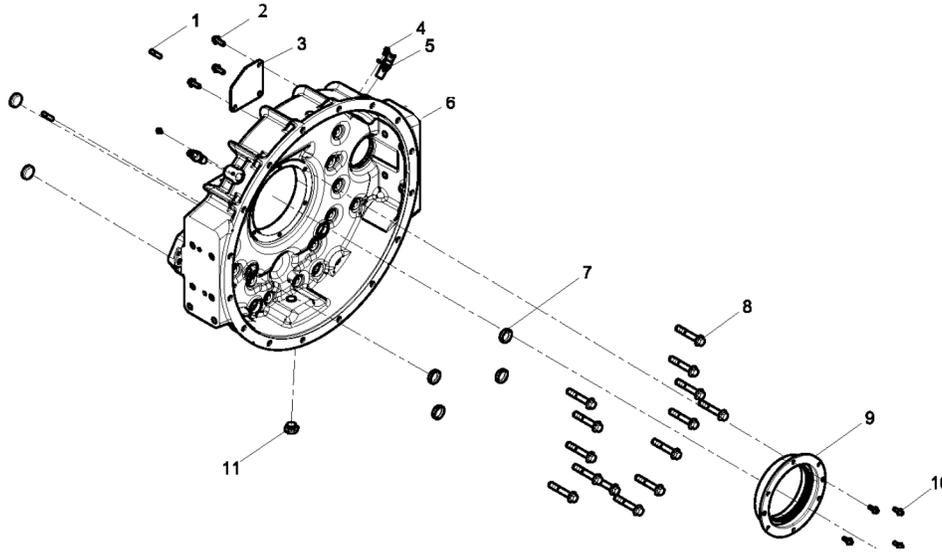
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732365	PLUG	1	
2	767267	WASHER	1	
3	732366	PLUG	4	
4	NSS	CRANKCASE	1	
5	732368	PIN, DOWEL	32	
6	732369	PLUG	2	
7	767007	WASHER	2	
8	732371	BOLT	2	
9	732276	WASHER	2	
10	732372	PIPE	1	
11	732373	STUD	1	
12	732374	CLAMP	1	
13	732375	NUT	1	
14	732376	PIPE	1	
15	732377	NOZZLE, PISTON	12	
16	732378	NOZZLE, PISTON	12	
	NSS =	NOT SOLD SEPERATELY		

## CYLINDER LINERS



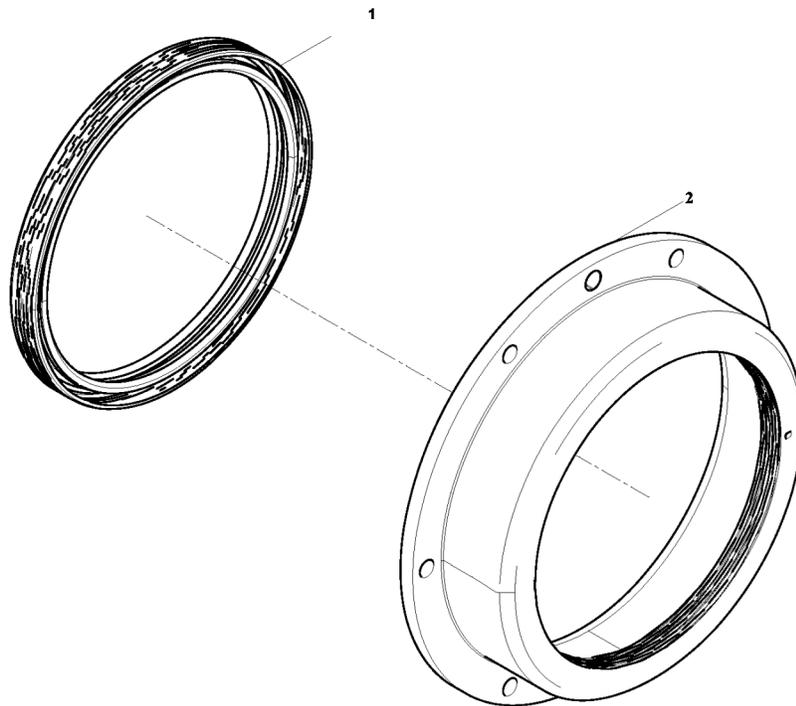
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732379	LINER, CYLINDER	12	IN KIT B
2	732380	PIPE	12	
3	732381	RING, CYLINDER LINER	12	IN KIT B
4	732382	O-RING	12	IN KIT B
5	732383	RING, CYLINDER LINER	12	IN KIT B
6	NSS	BLOCK, ENGINE	1	
7	732385	BUSHING, CAMSHAFT	6	
8	732386	PIN, DOWEL	1	
9	732387	BOLT	14	
10	732388	WASHER	14	
11	NSS	COVER THRUST BEARING	1	
12	732390	BOLT	14	
13	NSS	CAP, MAIN BEARING	6	
	NSS =	NOT SOLD SEPERATELY		

## FLYWHEEL HOUSING



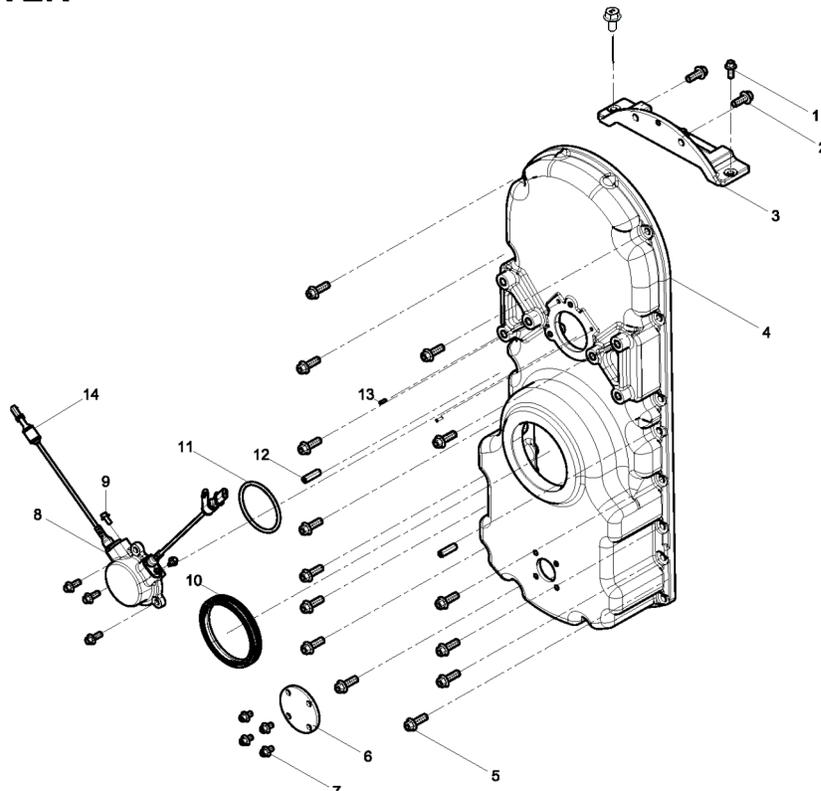
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732009	PIN, DOWEL	2	
2	732007	BOLT	3	
3	732002	COVER	1	
4	732006	BOLT	2	
5	732011	SENSOR, SPEED	2	
6	732010	HOUSING, FLYWHEEL	1	
7	732005	PLUG, BOWL	6	
8	732001	BOLT	14	
9	NSS	ASSY, REAR OIL SEAL	1	SEE REAR OIL SEAL
10	732008	BOLT	6	
11	732003	PLUG, SCREW	1	

**REAR OIL SEAL**



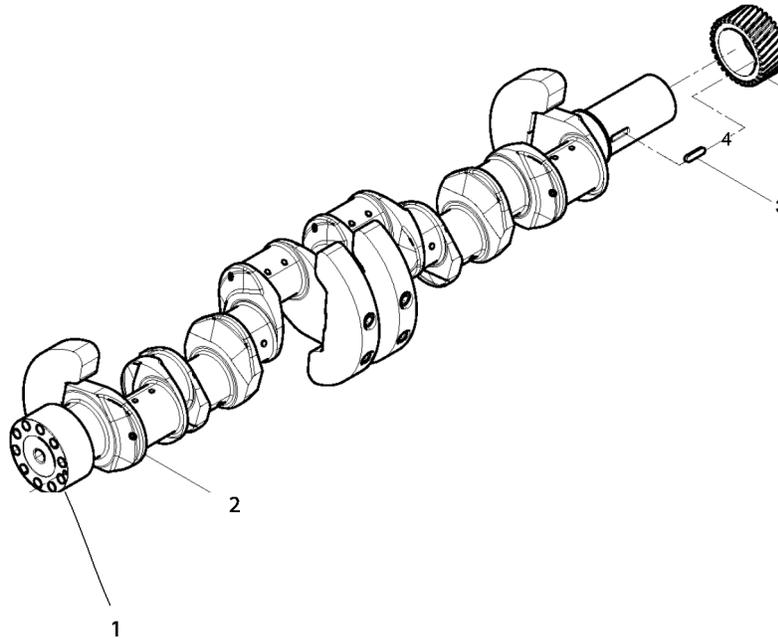
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732394	SEAL, REAR OIL	1	IN KIT A
2	732395	HOUSING, REAR OIL SEAL	1	

## FRONT COVER



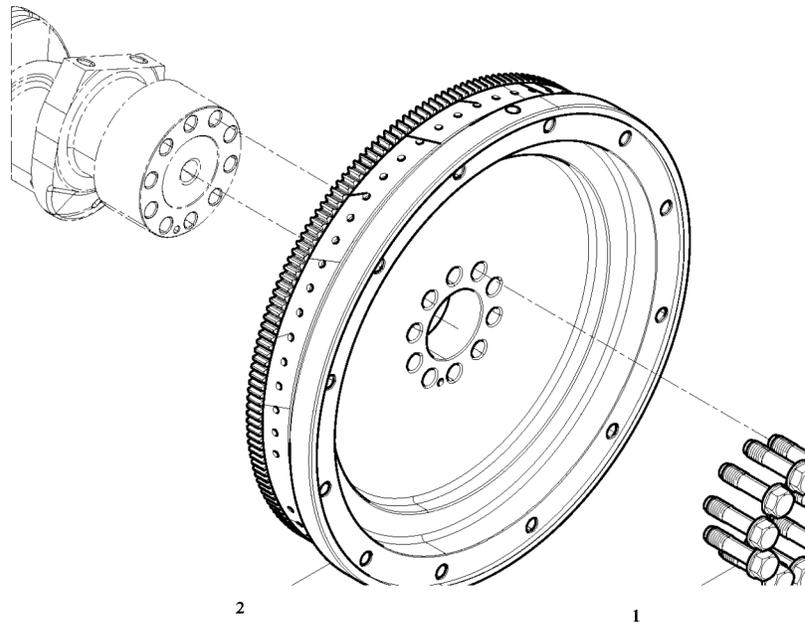
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732008	BOLT	6	
2	732007	BOLT	2	
3	732164	BRACKET, FRONT COVER	1	
4	732161	COVER, FRONT	1	
5	732170	BOLT	14	
6	732165	PLATE, FRONT COVER	1	
7	732169	BOLT	4	
8	732163	SENSOR SEAT	1	
9	767054	BOLT	2	
10	732166	SEAL, FRONT COVER	1	IN KIT A
11	732167	O-RING	1	IN KIT A
12	732174	PIN, DOWEL	2	
13	732173	PIN, DOWEL	2	
14	732162	SENSOR, SPEED	2	

# CRANKSHAFT



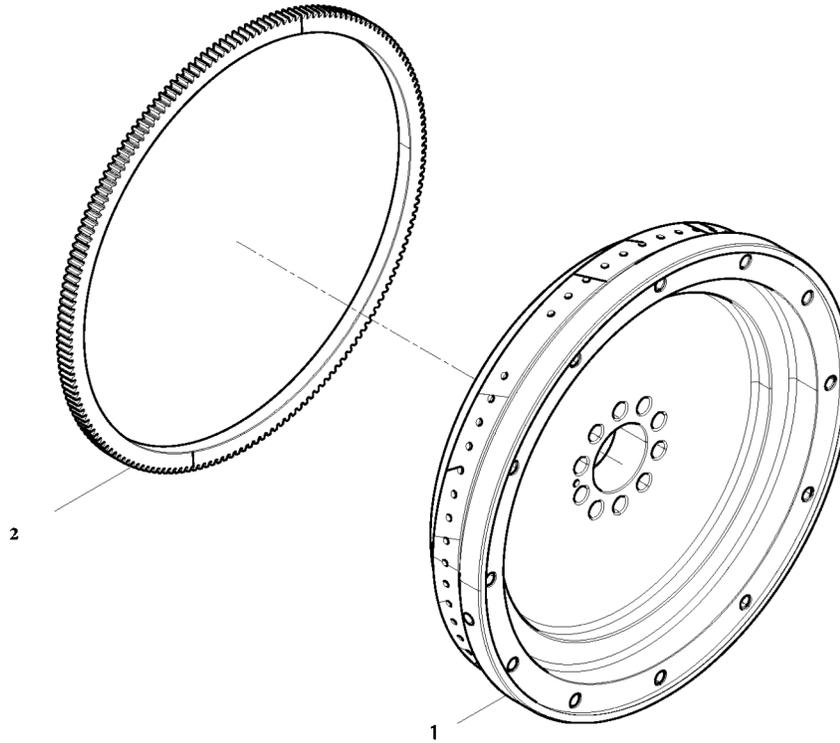
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732333	PIN	1	
2	732331	CRANKSHAFT	1	
3	732332	KEY	1	
4	732330	GEAR, TIMING CRANKSHAFT	1	

**FLYWHEEL**



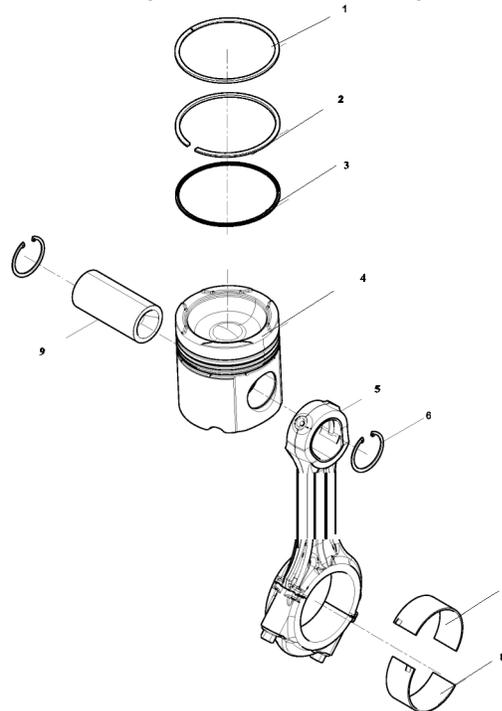
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732328	BOLT, FLYWHEEL	10	
2	732329	FLYWHEEL	1	INCLS RNG GEAR

**RING GEAR**



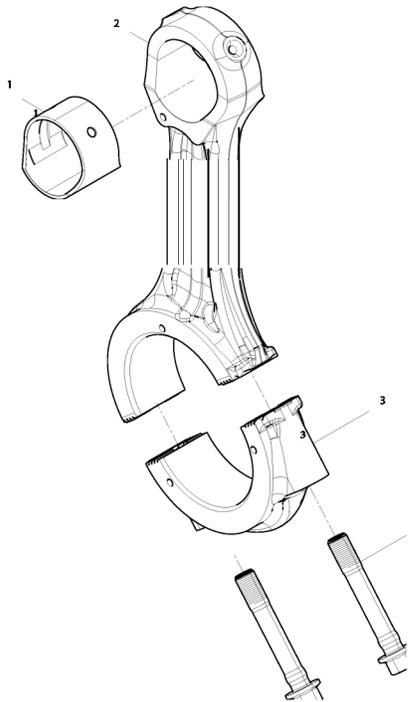
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	NSS	FLYWHEEL	1	
2	732402	GEAR, RING	1	
	NSS =	NOT SOLD SEPERATELY		

**PISTON AND CONNECTING ROD (12 PER ENGINE)**



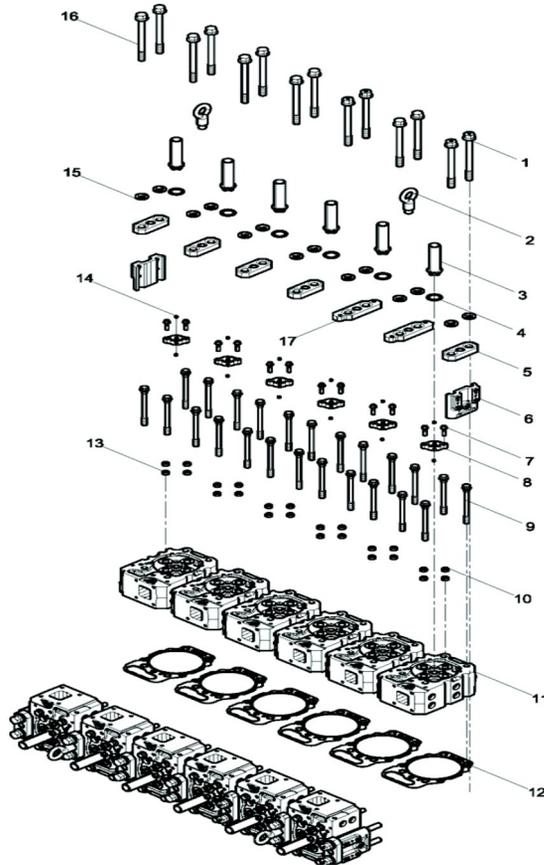
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732016	RING, TOP	1	IN KIT B
2	732017	RING, TAPPER	1	IN KIT B
3	732018	RING, SPRING	1	IN KIT B
4	732403	PISTON	1	IN KIT B
5	732014	ROD, CONNECTING	1	
6	732020	CLIP	2	IN KIT B
7	732012	BEARING, CONNECTING ROD (UPPER)	1	IN KIT B
8	732013	BEARING, CONNECTING ROD (LOWER)	1	IN KIT B
9	732019	PIN, PISTON	1	IN KIT B

**CONNECTING ROD-BUSHING AND BOLT (12 PER ENGINE)**



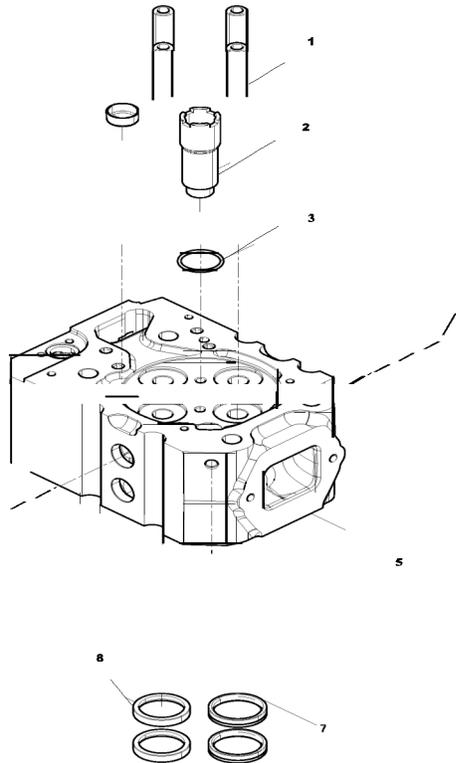
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732404	BUSHING, CONNECTING ROD	1	IN KIT B
2	NSS	BODY, CONNECTIONG ROD	1	
3	NSS	COVER, CONNECTING ROD	1	
4	732407	BOLT, CONNECTING ROD	2	
	NSS =	NOT SOLD SEPERATELY		

**CYLINDER HEAD**



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732069	BOLT, CYLINDER HEAD	8	
2	732071	HANGER, ENGINE	4	
3	732064	BUSHING, IGNITION COIL	12	IN KIT D
4	732065	GROMMET	12	IN KIT D
5	732073	COVER, CLAMPING	10	
6	732070	COVER	4	
7	732076	BOLT	24	
8	732066	CLAMP, IGNITION COIL BUSHING	12	
9	732063	BOLT, CYLINDER HEAD	48	
10	732067	SEAL, VALVE STEM	24	IN KIT A,D
11	732068	HEAD, CYLINDER	12	
12	732074	GASKET, CYLINDER HEAD	12	IN KIT A,C
13	732061	SEAL, VALVE STEM	24	IN KIT A,D
14	732075	SCREW	24	
15	732072	WASHER	28	
16	732062	BOLT, CYLINDER HEAD	20	
17	732060	BLOCK, CLAMPING	4	

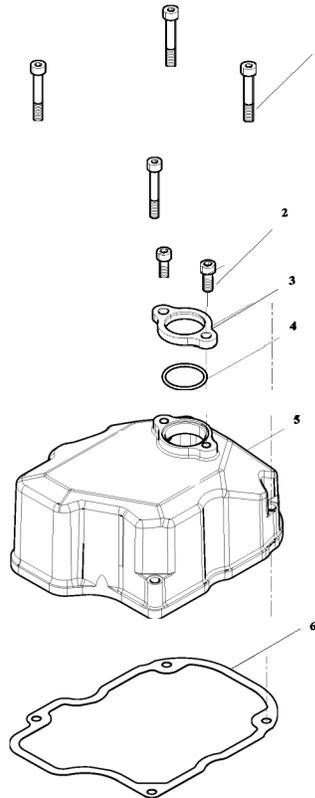
**CYLINDER HEAD SUB ASSY (12 PER ENGINE)**



732068

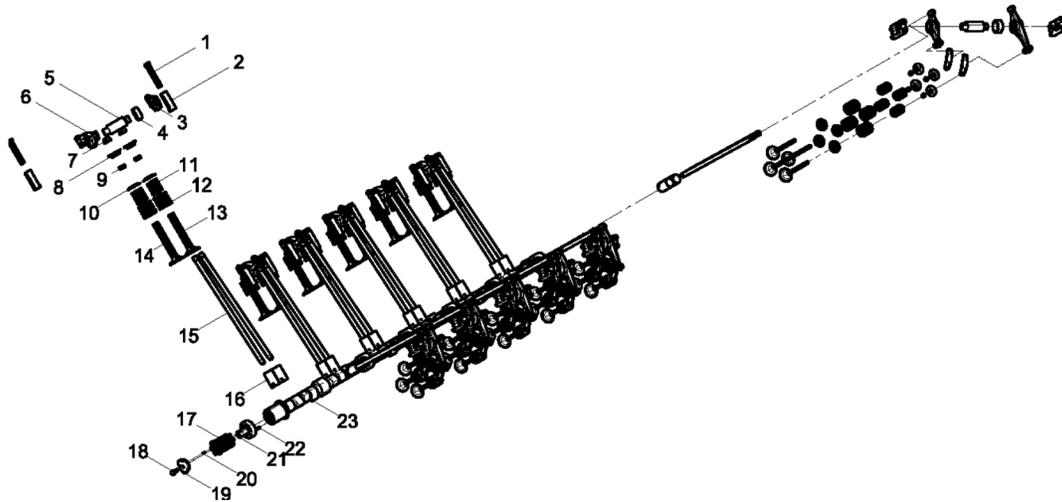
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732408	VALVE, GUIDE	4	IN KIT D
2	732409	BUSHING, SPARK PLUG	1	IN KIT D
3	732024	O-RING	1	IN KIT A,D
4	732410	PLUG	9	
5	732068	HEAD, CYLINDER	1	INCLS ALL PARTS ON THIS PAGE
6	732412	RIVET	1	
7	732413	SEAT, INTAKE VALVE	2	IN KIT D
8	732414	SEAT, EXHAUST VALVE	2	IN KIT D

**CYLINDER HEAD COVER (12 PER ENGINE)**



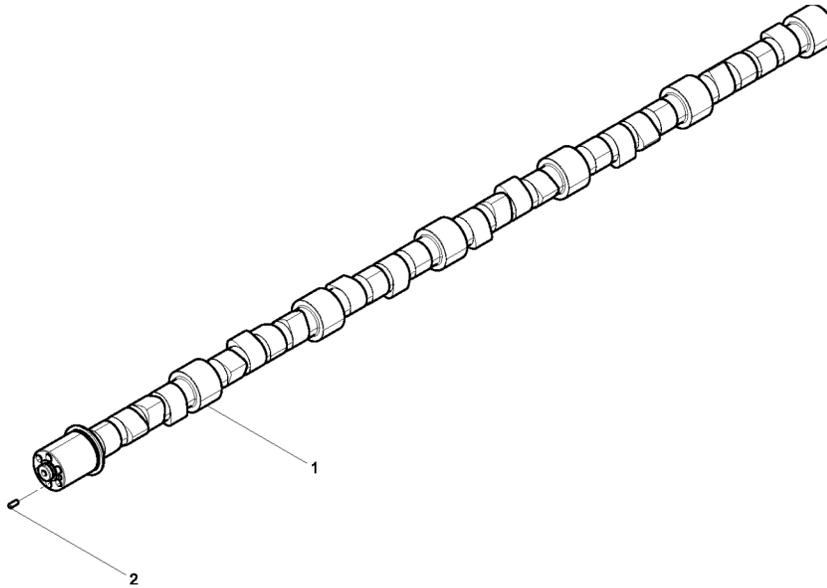
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732026	BOLT	4	
2	732025	BOLT	2	
3	732022	COVER	1	
4	732024	O-RING	1	IN KIT A,C
5	58907003	COVER, CYLINDER HEAD	1	
6	732023	GASKET, CYLINDER HEAD COVER	1	IN KIT 1,2,A,C

**VALVE TRAIN**



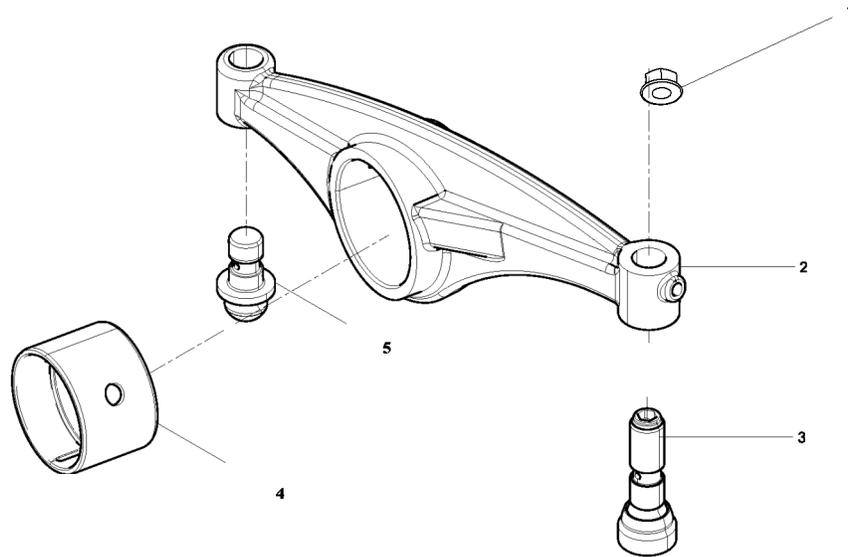
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732123	SCREW	48	
2	732134	BRACKET, ROCKER ARM	24	
3	732137	ARM, ROCKER (EXHAUST)	12	
4	732138	SLEEVE	12	
5	732120	SHAFT, ROCKER ARM	12	
6	732136	ARM, ROCKER (INTAKE)	12	
7	732135	BRIDGE, VALVE	24	
8	732132	RETAINER, VALVE SPRING (TOP)	48	IN KIT D
9	732133	COLLET, VALVE	96	IN KIT D
10	732130	RETAINER, VALVE SPRING (BOTTOM)	48	IN KIT D
11	732125	SPRING, INTER VALVE	48	IN KIT D
12	732124	SPRING, OUTER VALVE	48	IN KIT D
13	732121	VALVE, EXHAUST	24	IN KIT D
14	732119	VALVE, INTAKE	24	IN KIT D
15	732122	ROD, PUSH	24	
16	732131	TAPPET	24	
17	732127	SCREW	6	
18	732140	BOLT	1	
19	732129	COVER	1	
20	732141	PIN, DOWEL	1	
21	732128	SHAFT, CONNECTING	1	
22	732139	PIN, DOWEL	1	
23	732126	CAMSHAFT	1	

**CAMSHAFT**



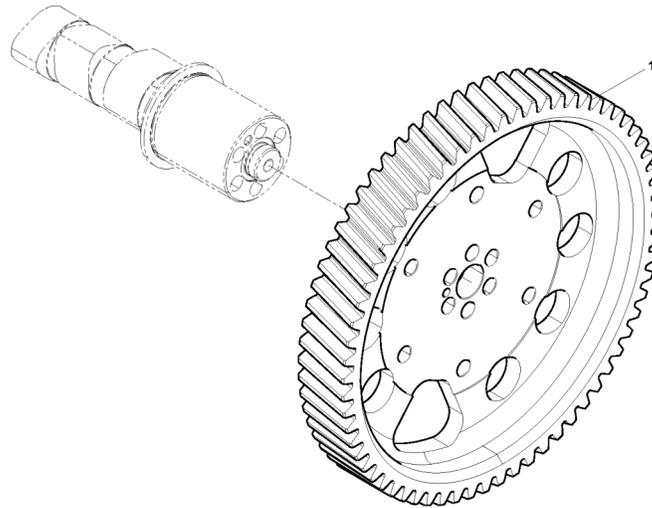
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732126	CAMSHAFT	1	INCL DOWELL PIN
2	732139	PIN, DOWEL	1	
	NSS =	NOT SOLD SEPERATELY		

**ROCKER ARM PARTS (24 PER ENGINE)**



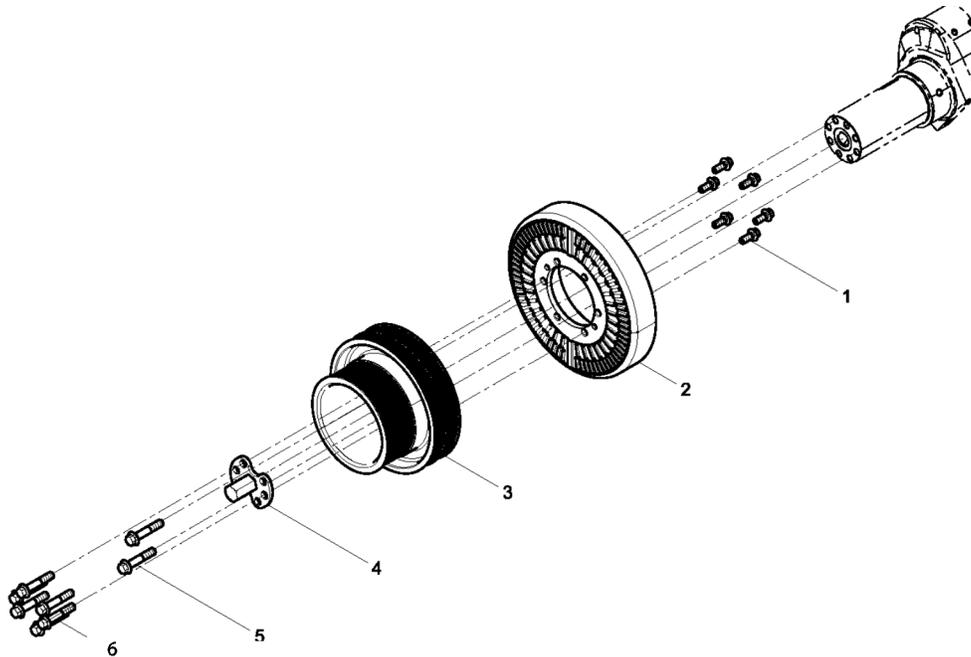
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732416	NUT	1	
2	NSS	ARM, ROCKER	1	SEE VLV TRAIN
3	NSS	SCREW	1	
4	732419	BUSHING, ROCKER ARM	1	
5	732420	PIN, BALL	1	
	NSS =	NOT SOLD SEPERATELY		

**GEAR DRIVE**



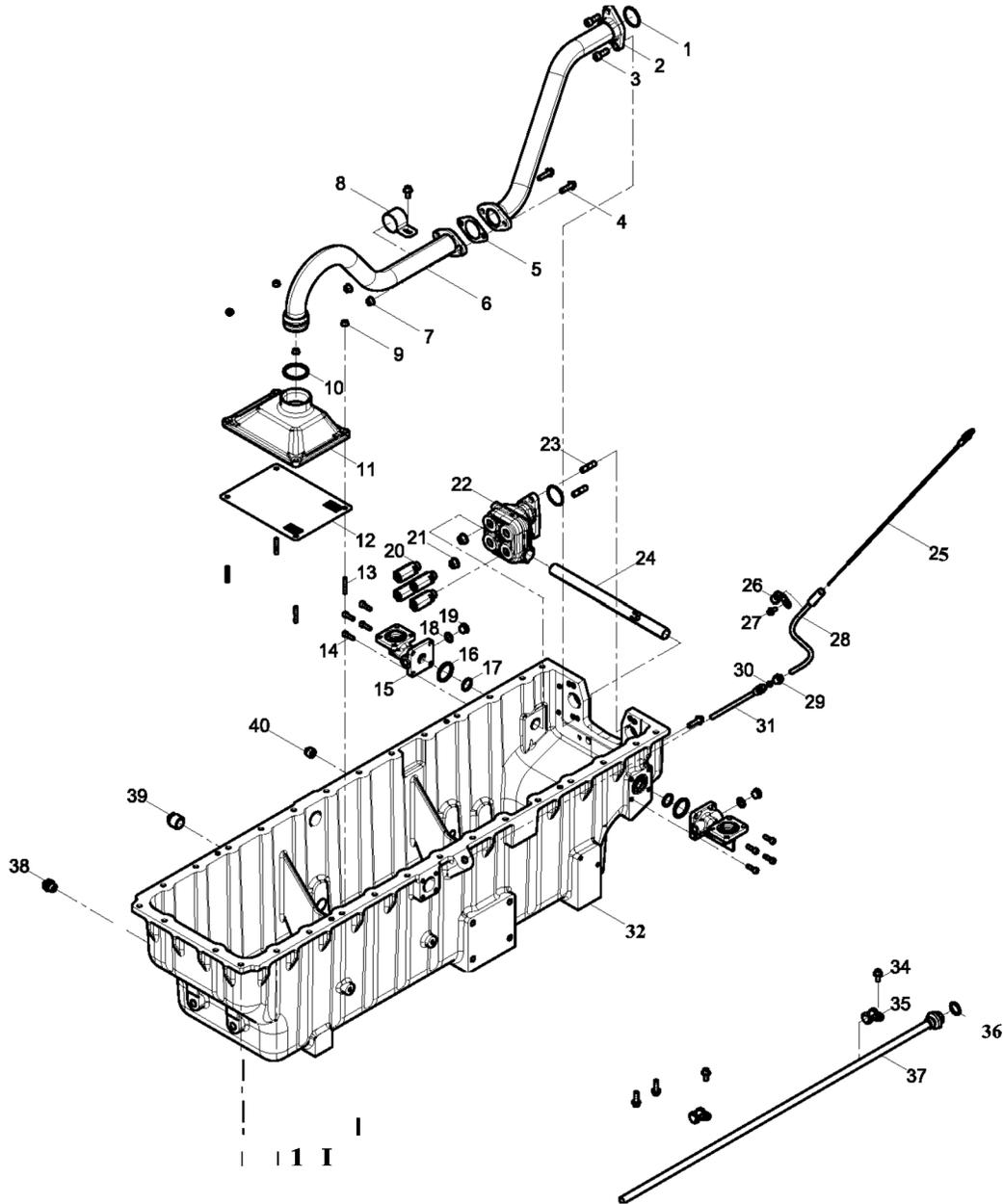
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732175	GEAR, TIMING CAMSHAFT	1	

## CRANKSHAFT PULLEY



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732260	BOLT	6	
2	732263	DAMPER	1	
3	732259	PULLEY, CRANKSHAFT	1	
4	732258	CAP, PULLEY FRONT END	1	
5	732262	BOLT	2	
6	732261	BOLT	6	

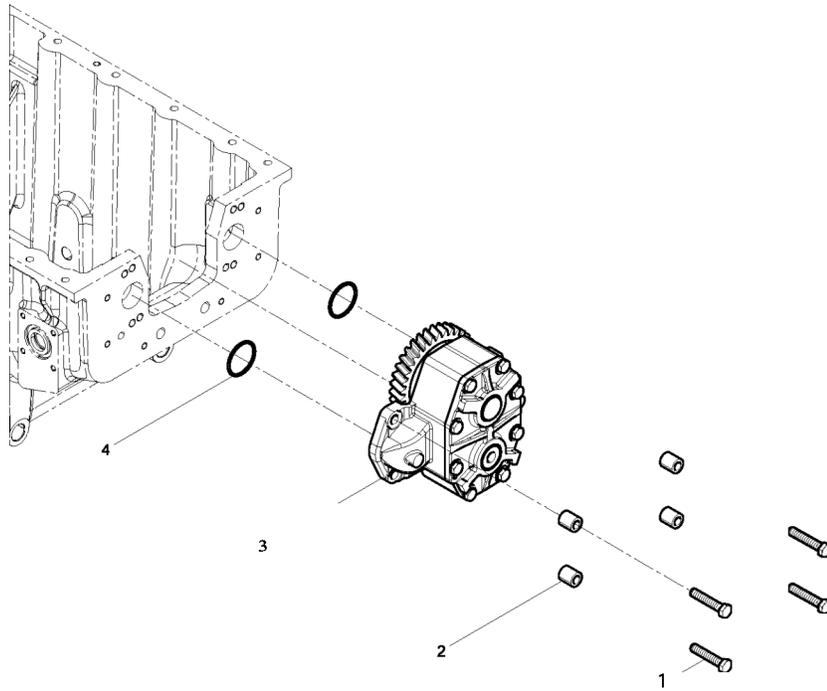
# OIL PAN



**OIL PAN CONT.**

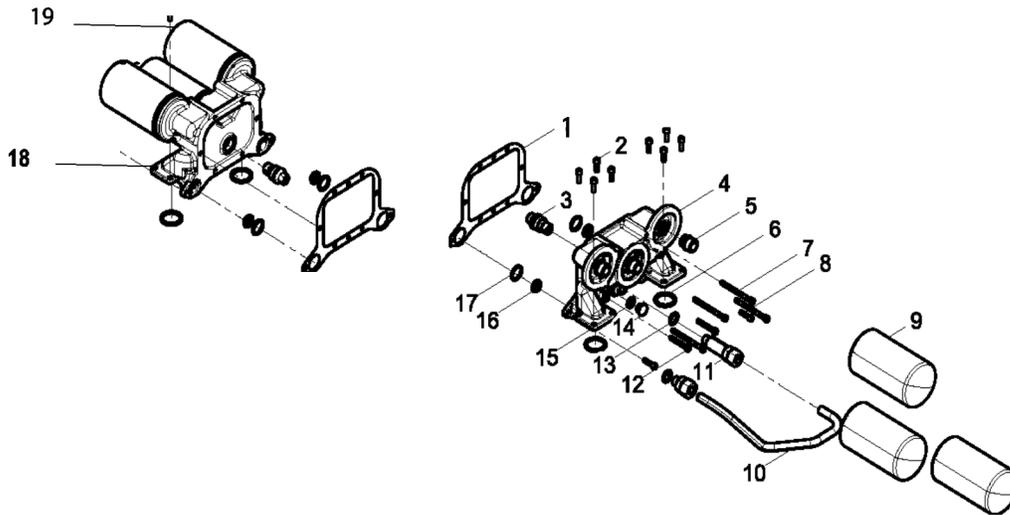
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732042	O-RING	1	IN KIT A
2	732197	PIPE	1	
3	732205	BOLT	2	
4	732209	BOLT	7	
5	732191	GASKET	1	IN KIT A
6	732198	PIPE, OIL PUMP	1	
7	732214	NUT	2	
8	732199	CLAMP	1	
9	732113	NUT	4	
10	732218	O-RING	1	IN KIT A
11	732196	BONNET, SUCTION STRAINER	1	
12	732195	FILTER, SUCTION STRAINER	1	
13	732211	STUD	4	
14	732215	SCREW	8	
15	732200	PIPE	2	
16	732217	O-RING	2	IN KIT A
17	732219	O-RING	2	IN KIT A
18	732216	WASHER	2	IN KIT A
19	732146	PLUG	2	
20	732182	VALVE, OIL PRESSURE LIMIT	4	
21	732212	NUT	2	
22	732181	SEAT, SUPPORTING	1	
23	732210	STUD	2	
24	732192	PIPE	1	
25	732185	DIPSTICK	1	
26	732428	CLAMP, PIPE	1	
27	732429	BOLT	1	
28	732184	TUBE, DIPSTICK	1	
29	732187	CAP	1	
30	732188	WASHER	1	
31	732221	TUBE, DIPSTICK	1	
32	732186	PAN, OIL	1	
33	732170	BOLT	26	
34	767052	BOLT	3	
35	732193	CLAMP, OIL PIPE	2	
36	732203	WASHER	1	
37	732183	PIPE, OIL PUMP	1	
38	732202	SCREW	1	
39	732190	PLUG	1	
40	732189	PLUG	1	

**OIL PUMP**



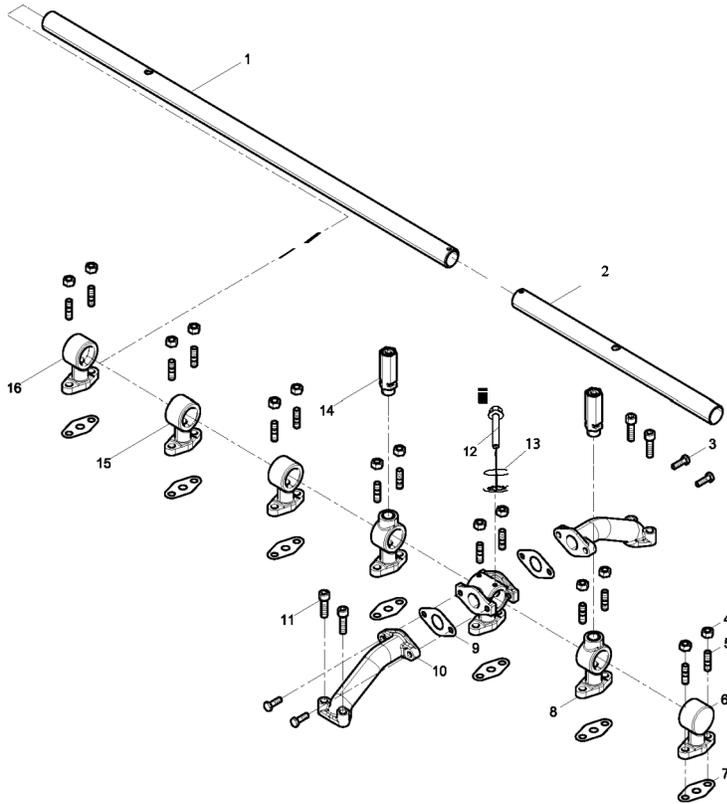
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732041	BOLT	4	
2	732040	SPACER	4	
3	732039	PUMP, OIL	1	
4	732042	O-RING	2	IN KIT A

**OIL FILTER**



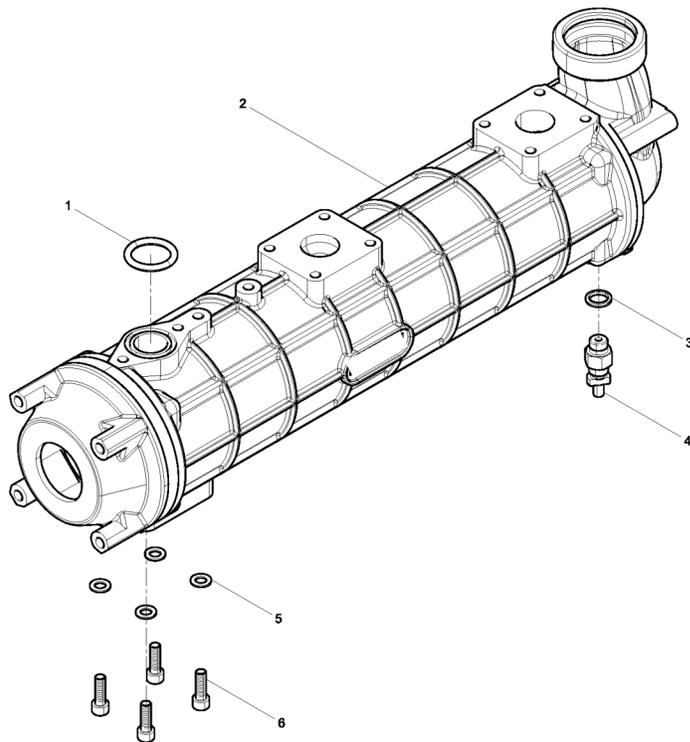
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732266	GASKET	2	IN KIT A
2	732239	SCREW	16	
3	732268	VALVE, OIL PRSSURE RELIEF	2	
4	732271	HOUSING, OIL FILTER	2	
5	732269	FITTING, OIL FILTER	6	
6	732217	O-RING	4	IN KIT A
7	732277	STUD	8	
8	767297	SCREW	4	
9	732274	FILTER, OIL	6	IN KIT 1,2
10	732430	PIPE, OIL	1	
11	732272	PIPE	2	
12	732280	SCREW	4	
13	767177	WASHER	4	
14	732087	PLUG	2	
15	732276	WASHER	2	
16	732267	INSERT	4	
17	732282	O-RING	4	IN KIT A
18	732273	PIPE	2	
19	732270	PIPE, OIL FILTER	1	

**OIL PIPE**



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732292	PIPE, OIL PUMP	1	
2	732290	PIPE, INLET	1	
3	732295	BOLT	4	
4	732296	NUT	14	
5	732294	FITTING	14	
6	732288	PIPE	2	
7	732285	GASKET	7	IN KIT A
8	732291	STUD	2	
9	732283	GASKET	2	IN KIT A
10	732284	PIPE, OIL FILTER	2	
11	732293	BOLT	4	
12	732297	WASHER	2	
13	732298	BOLT	2	
14	732289	VALVE, PRESSURE LIMIT	2	
15	732287	PIPE	2	
16	732286	PIPE	1	

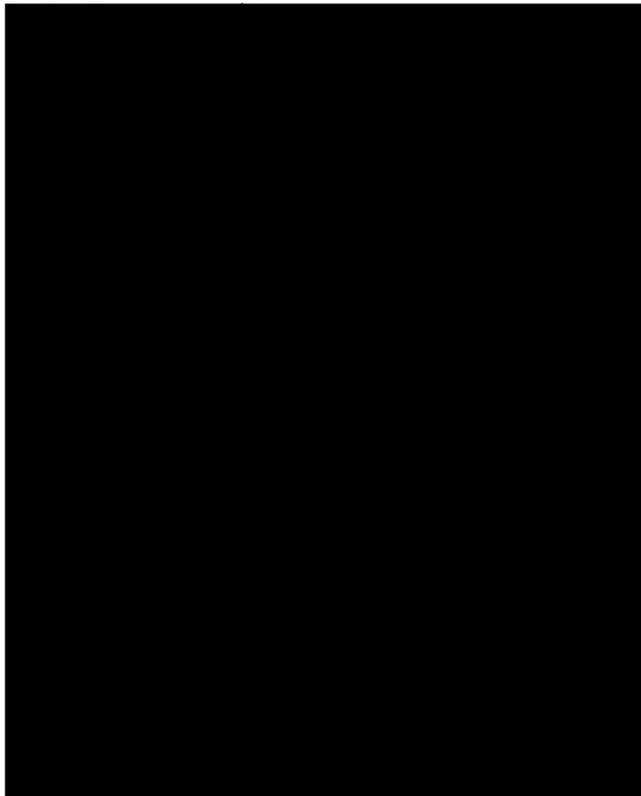
**OIL COOLER**



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732217	O-RING	1	IN KIT A
2	732348	COOLER, OIL	1	
3	732351	WASHER	1	IN KIT A
4	732347	VALVE, WATER	1	
5	732442	WASHER	4	
6	732239	SCREW	4	

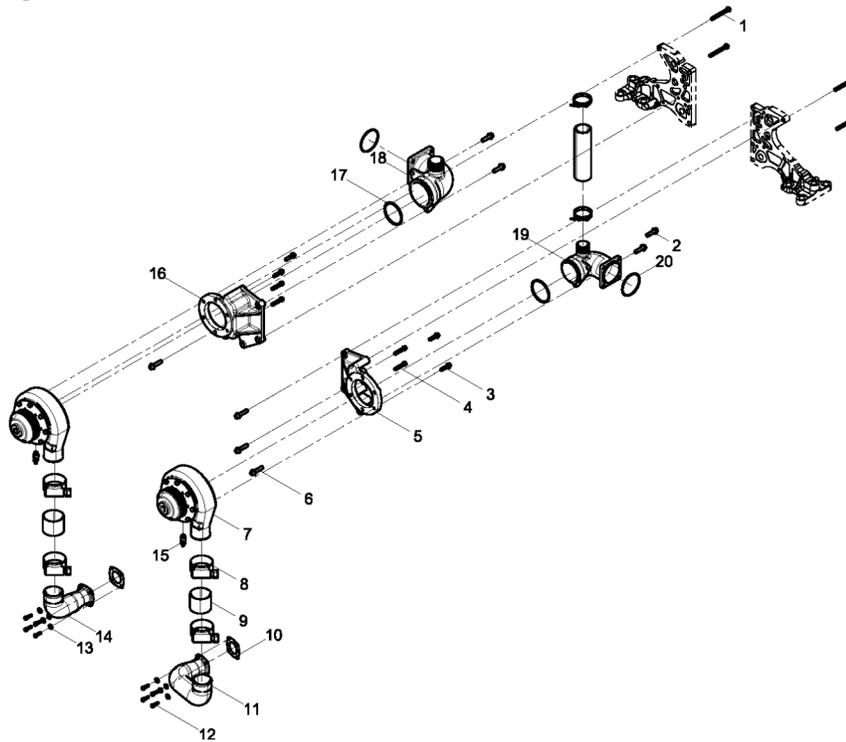
**ROCKER ARM OIL PIPE**

1



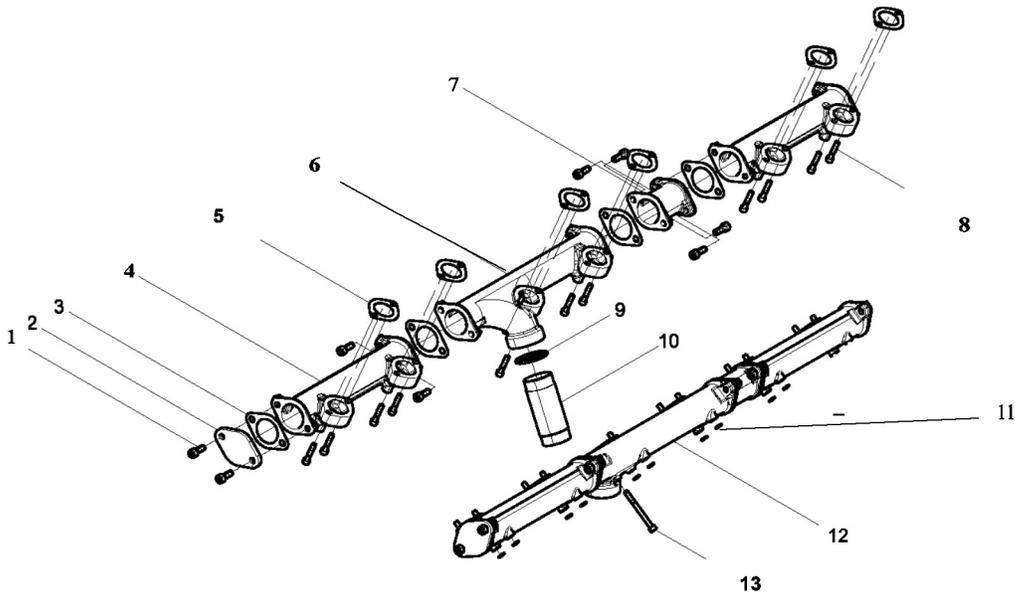
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732251	BOLT	12	
2	732447	WASHER	24	IN KIT A
3	732248	CLAMP, PIPE	6	
4	732448	PIPE, ROCKER ARM OIL	1	
5	732449	WASHER	4	IN KIT A
6	732246	SCREW	2	
7	732247	PIPE, OIL	2	
8	732450	PIPE, ROCKER ARM OIL	1	

**WATER PUMP**



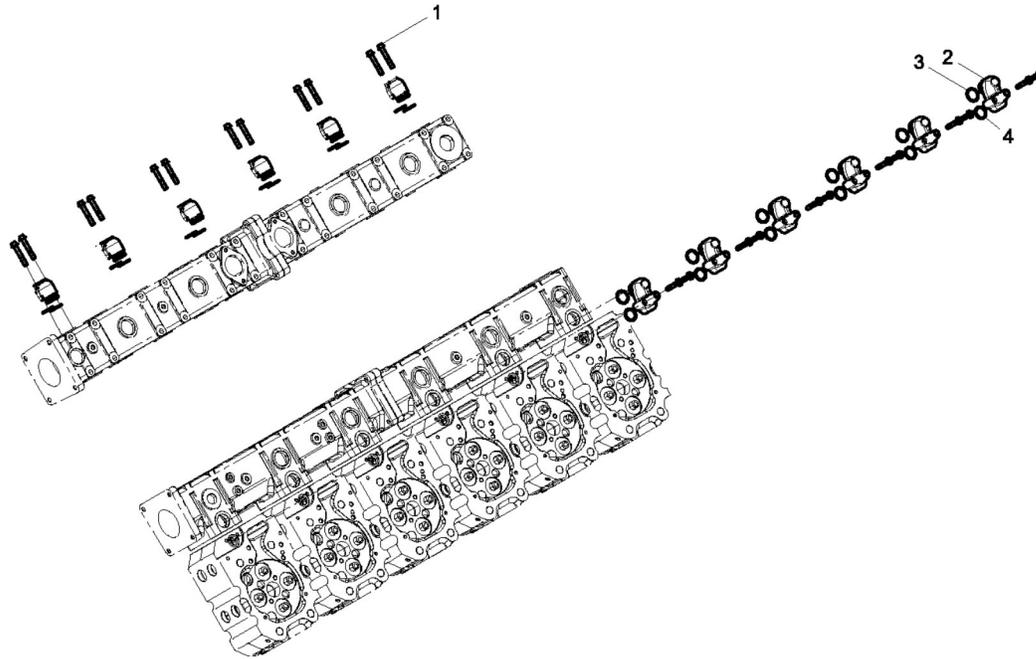
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732232	BOLT	4	
2	732209	BOLT	4	
3	732237	BOLT	4	
4	732235	BOLT	4	
5	732230	BRACKET, WATER PUMP	1	
6	732236	BOLT	6	
7	732228	PUMP, WATER	2	
8	732234	CLAMP	4	
9	732244	HOSE, COOLANT	2	
10	732229	GASKET	2	IN KIT A
11	732231	PIPE, WATER OUTLET	1	
12	732239	SCREW	8	
13	767250	WASHER	8	
14	732245	PIPE, WATER OUTLET	1	
15	732233	VALVE, WATER PUMP	2	
16	732243	BRACKET, WATER PUMP	1	
17	732242	O-RING	2	IN KIT A
18	732226	PIPE	1	
19	732227	PIPE	1	
20	732241	O-RING	2	IN KIT A

**WATER PIPE**



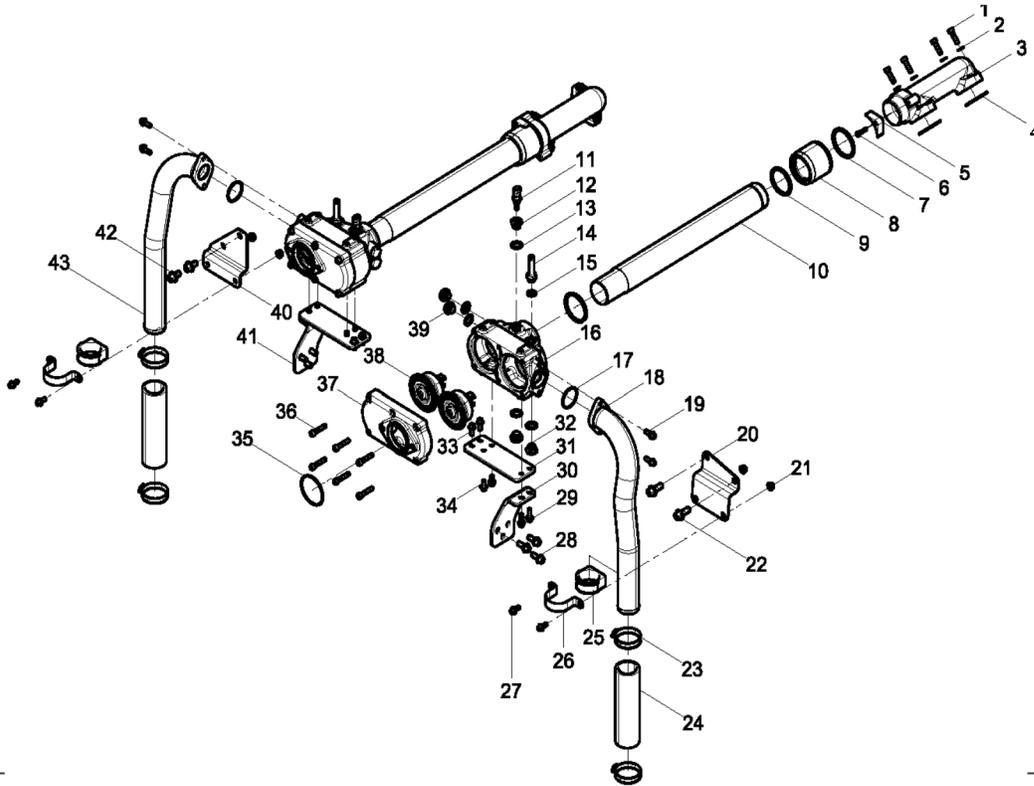
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732343	SCREW	16	
2	732337	COVER	2	
3	732191	GASKET	10	IN KIT A
4	732338	PIPE, WATER	4	
5	732336	GASKET	12	IN KIT A
6	732341	PIPE, WATER	1	
7	732339	PIPE, WATER	2	
8	732344	BOLT	22	
9	732218	O-RING	2	IN KIT A
10	732342	PIPE, WATER	2	
11	732334	WASHER	24	
12	732340	PIPE, WATER	1	
13	732345	BOLT	2	

**WATER PIPE CONT.**



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732159	BOLT	24	
2	732157	PIPE, WATER	12	
3	732160	O-RING	12	IN KIT A
4	732158	O-RING	12	IN KIT A

# THERMOSTAT

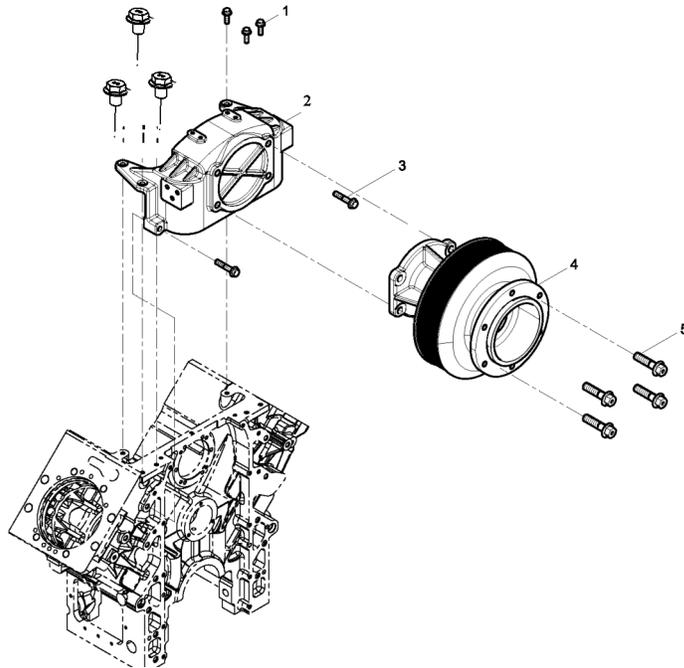


POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732114	SCREW	8	
2	767250	WASHER	8	
3	732466	PIPE WATER OUTLET	2	
4	732467	O-RING	4	IN KIT A
5	732094	BALE	2	
6	732109	SCREW	2	
7	732118	O-RING	4	IN KIT A
8	732093	PIPE, WATER	2	
9	732117	O-RING	2	IN KIT A
10	732078	PIPE, WATER	2	

**THERMOSTAT CONT.**

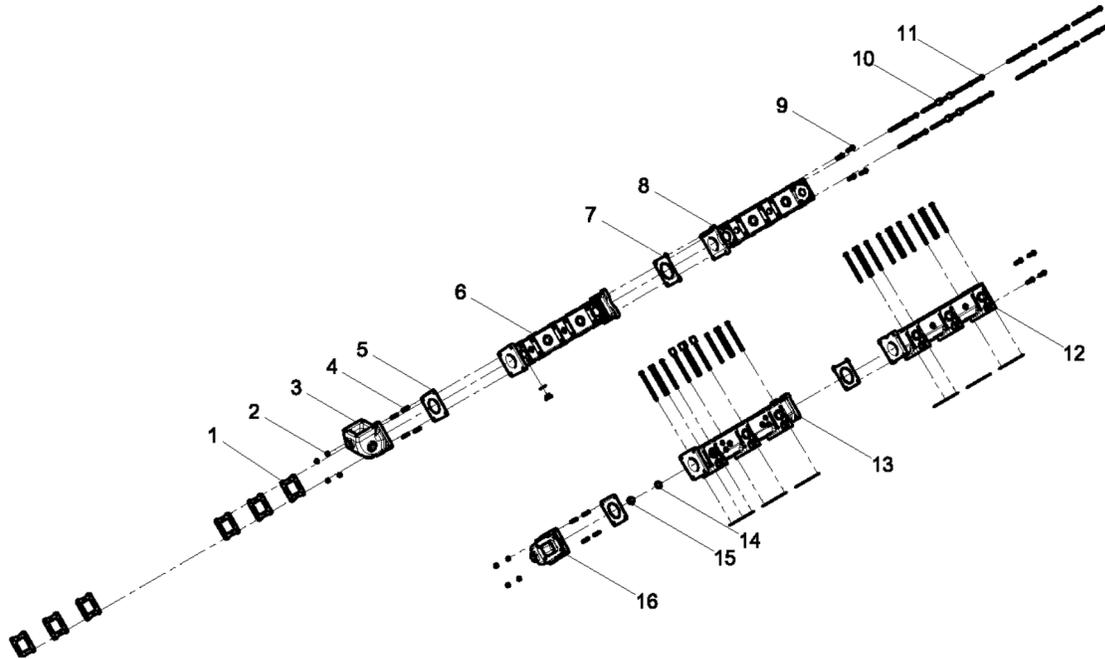
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
11	767277	SENSOR, TEMPERATURE	2	
12	732099	SEAL	2	IN KIT A
13	732088	WASHER	10	IN KIT A
14	732090	PIPE, WATER	2	
15	732116	SEAL	2	IN KIT A
16	732091	HOUSING, THERMOSTAT	2	
17	732105	O-RING	2	IN KIT A
18	732083	PIPE, WATER	1	
19	767242	BOLT	4	
20	732084	BRACKET, WATER PIPE	1	
21	732113	NUT	4	
22	732102	BOLT	2	
23	732096	CLAMP	4	
24	732100	HOSE, COOLANT	2	
25	732077	SLEEVE, RUBBER	2	
26	732089	CLAMP, IGNITION COIL BUSHING	2	
27	732101	BOLT	4	
28	732007	BOLT	6	
29	732103	BOLT	4	
30	732085	BRACKET	1	
31	732081	BRACKET	2	
32	732086	PLUG	2	
33	732008	BOLT	4	
34	732104	BOLT	4	
35	732106	O-RING	2	IN KIT A
36	732110	SCREW	12	
37	732092	COVER, THERMOSTAT HOUSING	2	
38	732097	THERMOSTAT	4	
39	732087	PLUG	6	
40	732079	BRACKET, WATER PIPE	1	
41	732082	BRACKET	1	
42	732108	BOLT	2	
43	732080	PIPE, WATER	1	

## FAN BRACKET



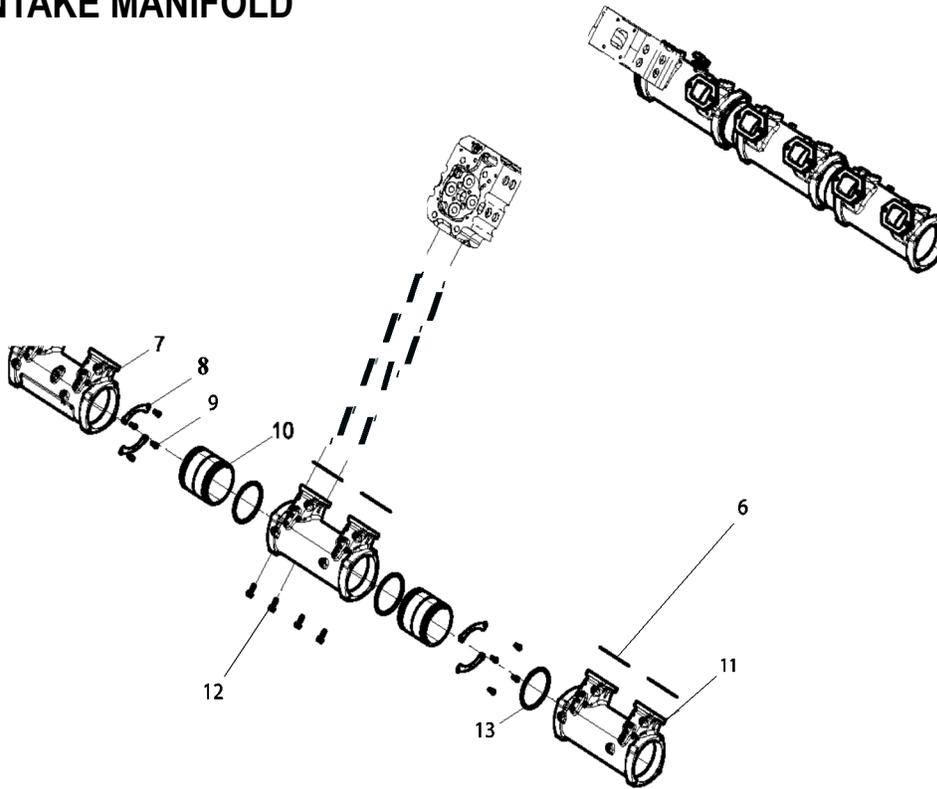
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732154	BOLT	6	
2	732176	BRACKET, FAN	1	
3	732179	BOLT	2	
4	732177	HUB, FAN	1	
5	732178	BOLT	4	

**EXHAUST MANIFOLD**



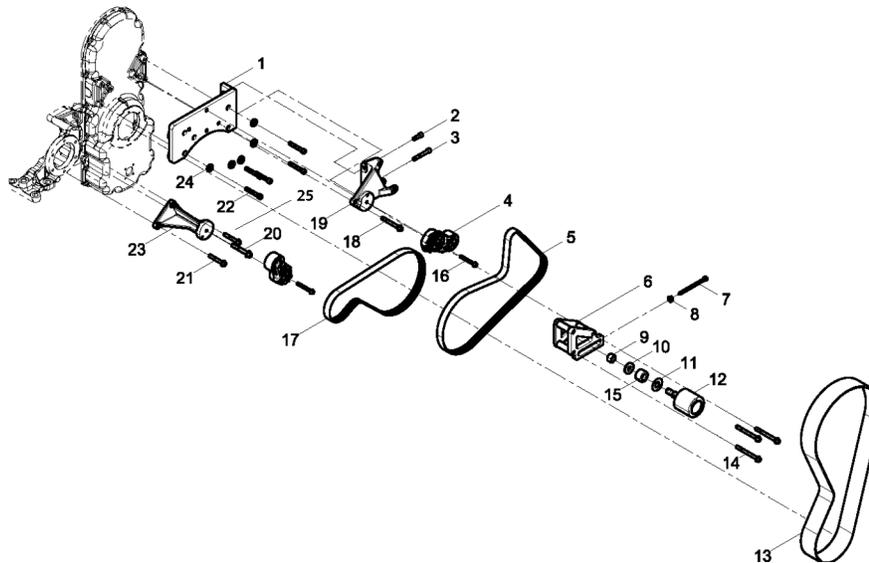
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732046	GASKET, EXHAUST MANIFOLD	12	IN KIT A,C
2	732057	NUT, LOCK	8	
3	732044	MANIFOLD, EXHAUST (ELBOW)	1	
4	732056	STUD	8	
5	732055	GASKET, EXHAUST MANIFOLD	2	IN KIT A
6	732052	MANIFOLD, EXHAUST	1	
7	732048	GASKET, EXHAUST MANIFOLD	2	IN KIT A
8	732051	MANIFOLD, EXHAUST	1	
9	732059	BOLT, EXHAUST MANIFOLD	8	
10	732049	BOLT, EXHAUST MANIFOLD	8	
11	732047	BOLT, EXHAUST MANIFOLD	40	
12	732053	MANIFOLD, EXHAUST	1	
13	732054	MANIFOLD, EXHAUST	1	
14	732058	WASHER	2	
15	732045	PLUG, SCREW	2	
16	732043	MANIFOLD, EXHAUST (ELBOW)	1	

## INTAKE MANIFOLD



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732146	PLUG	4	NOT SHOWN
2	732152	WASHER	4	NOT SHOWN
3	732144	COVER, INTAKE	4	NOT SHOWN
4	732155	O-RING	4	NOT SHOWN IN KIT A
5	732145	SENSOR	4	NOT SHOWN
6	732149	GASKET, INTAKE MANIFOLD	12	IN KIT A
7	732142	MANIFOLD, INTAKE	2	
8	732148	RING, THRUST	8	
9	732153	SCREW	16	
10	732147	PIPE, CONNECTING	4	
11	732143	MANIFOLD, INTAKE	4	
12	732154	BOLT	32	
13	732156	O-RING	8	IN KIT A
14	767133	WASHER	2	NOT SHOWN
15	732151	ADAPTER	2	NOT SHOWN

## TENSIONER AND BELT



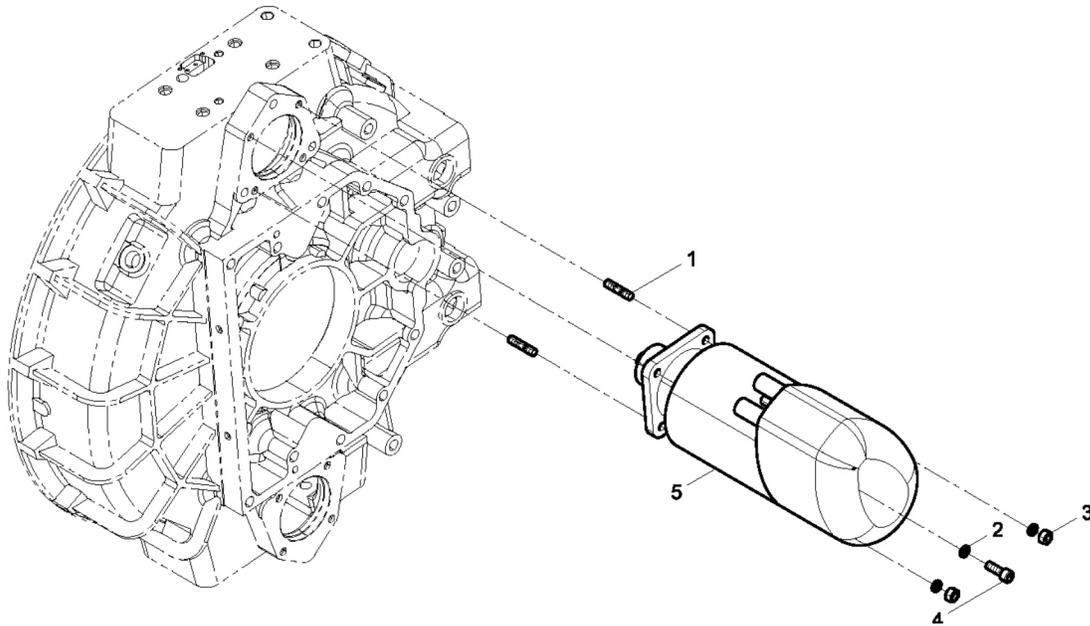
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732312	BRACKET	1	
2	732327	SCREW	1	
3	732326	SCREW	1	
4	732306	TENSIONER	2	
5	732318	BELT	1	
6	732308	BRACKET, TENSIONER	1	
7	732309	SCREW	1	
8	732214	NUT	1	
9	732305	SPACER	1	
10	732304	WASHER	1	
11	732314	RING	1	
12	732313	TENSIONER	1	
13	732310	BELT	1	
14	732319	BOLT	3	
15	732315	SLEEVE	1	
16	732320	BOLT	2	
17	732317	BELT	1	
18	732321	BOLT	1	
19	732311	BRACKET, ALTERNATOR	1	
20	732322	BOLT	1	
21	732324	BOLT	2	
22	732468	SCREW	5	
23	732307	BRACKET, TENSIONER	1	
24	767375	WASHER	5	
25	732500	BOLT	1	

REV. DATE : 18SEP18

Page 43

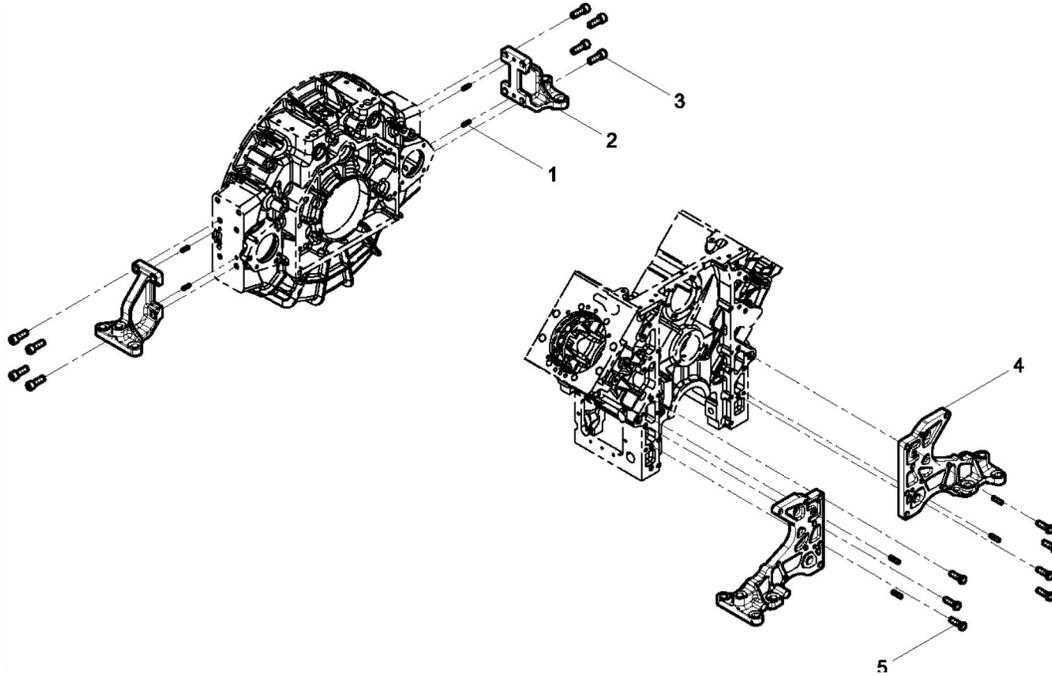
Power Solutions International  
201 Mittel Dr., Wood Dale, IL 60191 | Te. +10 630 350 9400 | Fax. +1 630 350 9588  
Web: www.psiengines.com | email: parts@psiengines.com

# STARTER



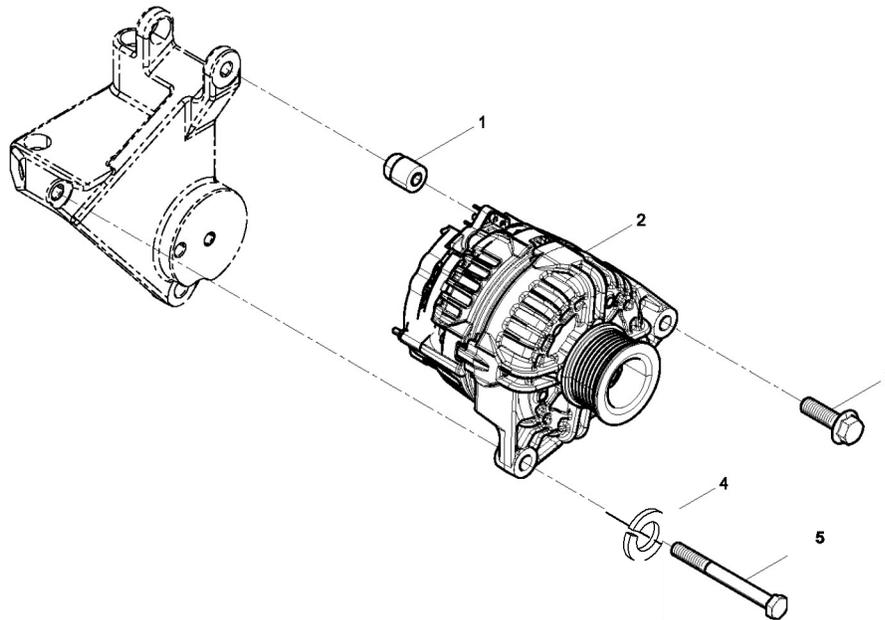
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732361	STUD	2	
2	767093	WASHER	3	
3	732296	NUT	2	
4	732362	SCREW	1	
5	732358	STARTER	1	

## ENGINE BRACKET



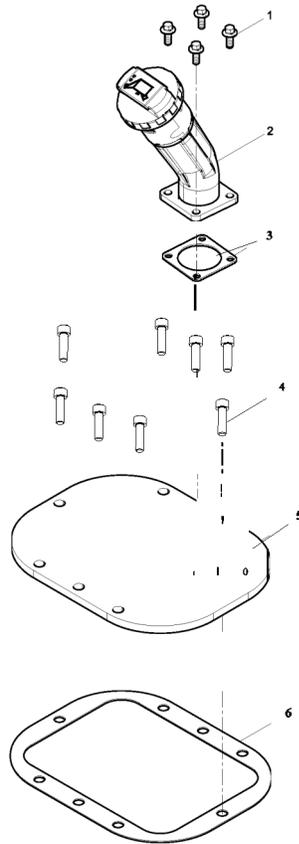
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732009	PIN, DOWEL	8	
2	732253	BRACKET, ENGINE	2	
3	732255	SCREW	8	
4	732257	BRACKET, ENGINE	2	
5	732254	BOLT	7	

# ALTERNATOR



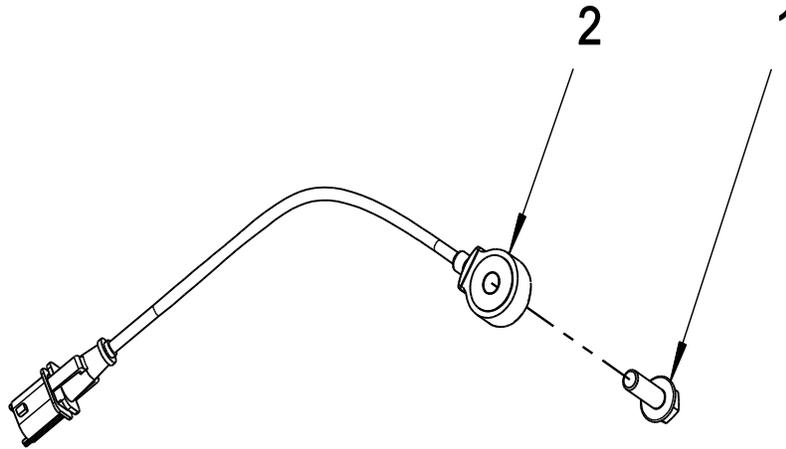
POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732301	NUT	1	
2	732300	ALTERNATOR	1	
3	732303	BOLT	1	
4	767093	WASHER	1	
5	732299	BOLT	1	

**OIL FILL TUBE**



POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	732469	BOLT	4	
2	732470	TUBE, OIL FILLING	1	
3	732471	GASKET	1	IN KIT A
4	732008	BOLT	8	
5	732472	COVER	1	
6	732031	GASKET, COVER	1	IN KIT A
	720058	CAP, OIL TUBE	1	INCL WITH 732470

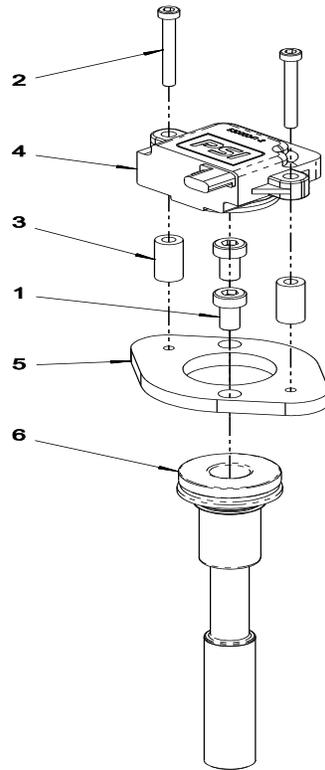
**KNOCK SENSOR**



58070302-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000452	SCREW	4	
2	53000011	SENSOR, KNOCK	4	

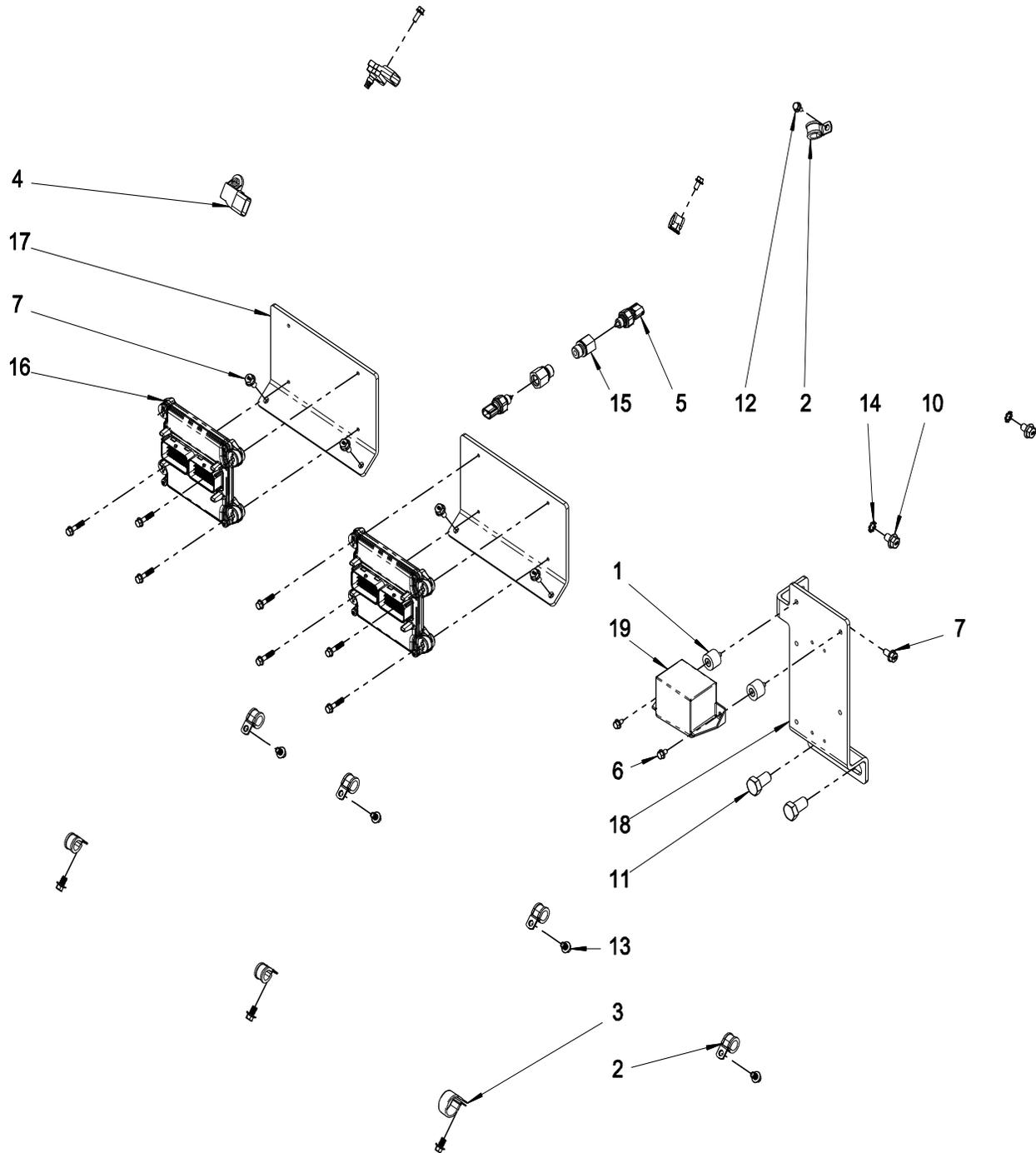
**IGNITION COIL (12 PER ENGINE)**



58070303-02

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000343	BOLT	2	
2	35000809	BOLT	2	
3	53000003	SPACER	2	
4	53000041	COIL, IGNITION	1	
5	53000208	BRACKET, IGNITION COIL	1	
6	53000209	BOOT, IGNITION COIL	1	
7	53000220	PLUG, SPARK	12	IN KIT 2

**ELECTRICAL**

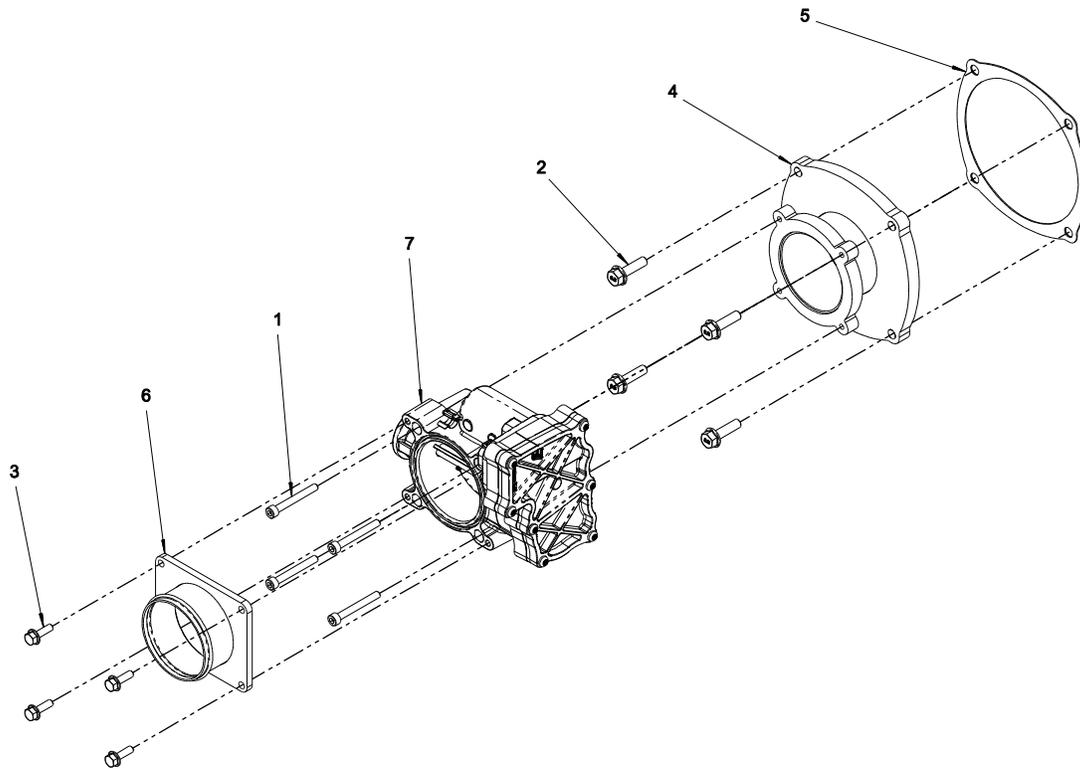


58070304-02

**ELECTRICAL CONT.**

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32500899	ISOLATOR	2	
2	32501462	CLAMP	8	
3	32501609	CLAMP, P-CUSH	1	
4	33000841	SENSOR, T MAP	2	
5	33002176	SENSOR, OIL TEMP	2	
6	35000449	BOLT	2	
7	35000526	SCREW	5	
10	35000694	BOLT	2	
11	35000715	BOLT	2	
12	35000931	BOLT	2	
13	35000937	BOLT	7	
14	35000961	WASHER	2	
15	52500264	ADAPTER	2	
16	CALL FOR INFO	PROGRAMMED ECM (MASTER)	1	
16	CALL FOR INFO	PROGRAMMED ECM (SLAVE)	1	
17	53000211	BRACKET, ECM MOUNT	2	
18	53000212	BRACKET, MASTERTRACK	1	
19	53000213	HARNESS, MASTER	1	
20	53000214	HARNESS, SLAVE	1	
21	53000215	HARNESS, IGNITION	2	

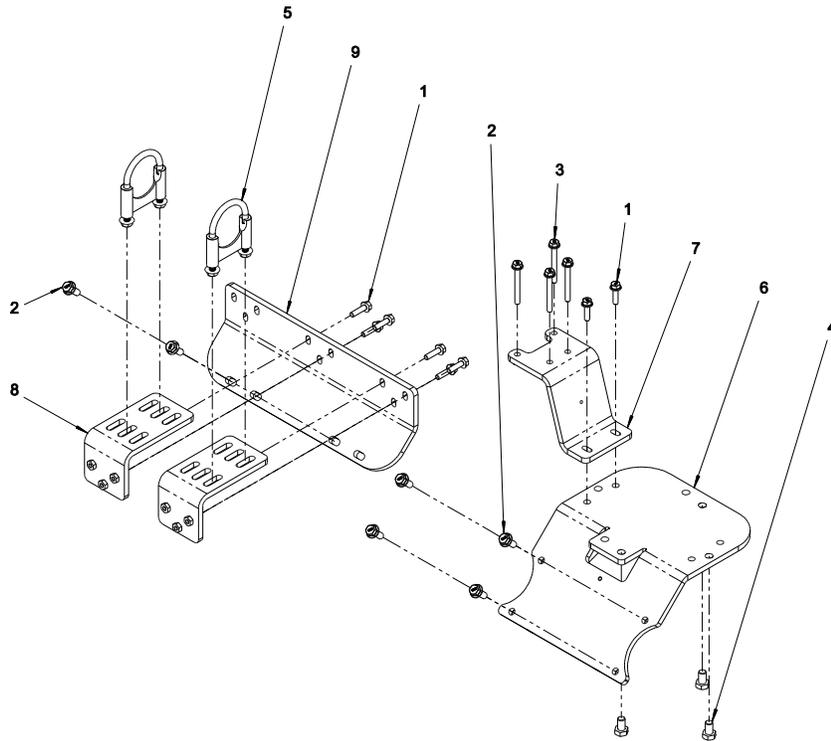
**THROTTLE BODY (2 PER ENGINE)**



58070404-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000335	SCREW	4	
2	35000533	BOLT	4	
3	35000696	BOLT, FLANGE	4	
4	53500211	ADAPTER, THROTTLE BODY	1	
5	53500212	GASKET, THROTTLE ADAPTER	1	IN KIT A
6	53500213	ADAPTER, THROTTLE INLET	1	
7	53500214	BODY, THROTTLE	1	

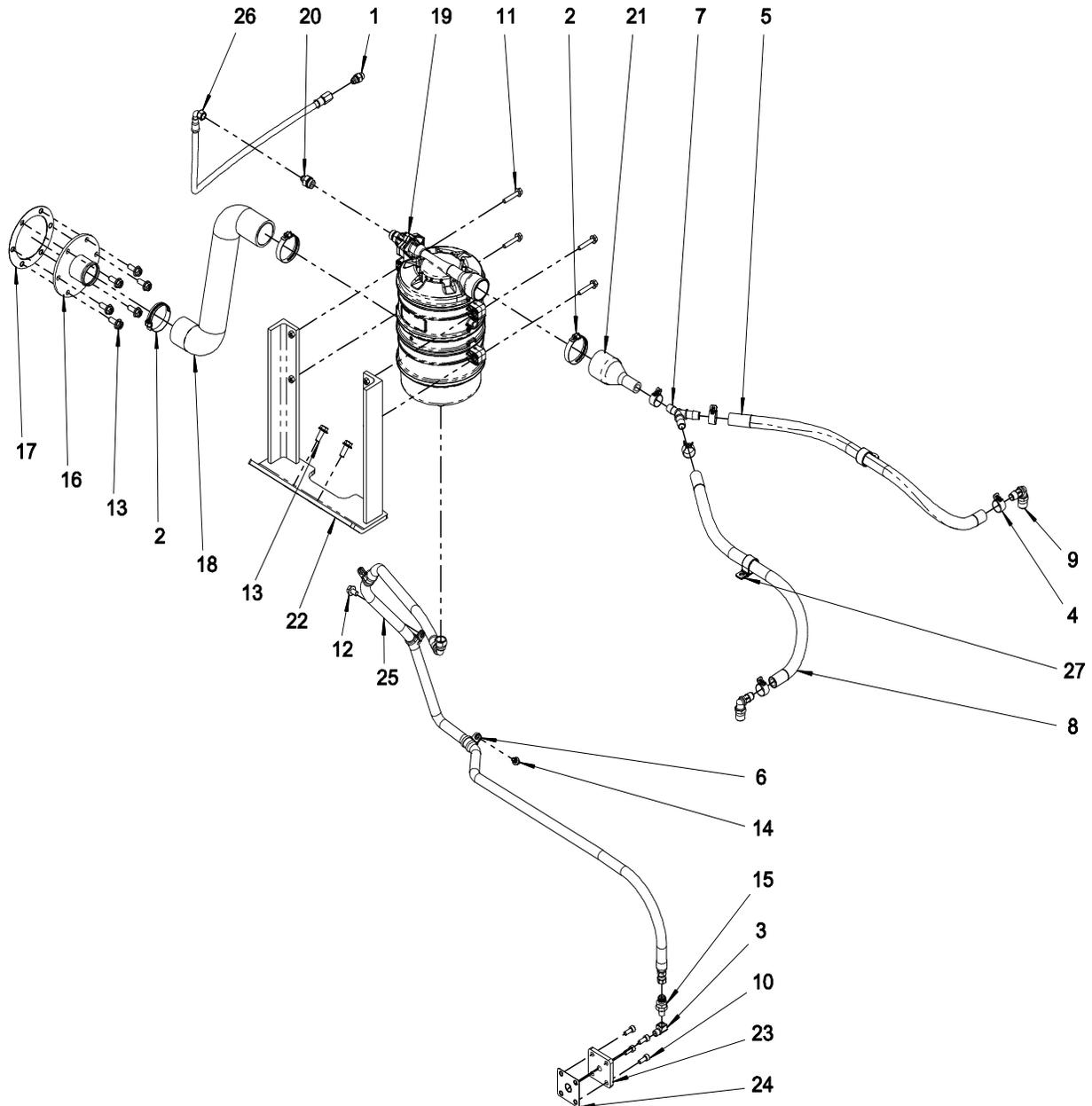
**FUEL MOUNT**



58070405-02

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000533	BOLT	8	
2	35000847	BOLT	6	
3	35000943	BOLT	4	
4	35000975	BOLT, HEX CAP	3	
5	52500030	CLAMP, U BOLT	2	
6	52500247	BRACKET, DUAL MIXER	1	
7	52500248	BRACKET, DUAL EPR	1	
8	52500265	BRACKET, L/O UPP SUPPT	2	
9	52500266	BRACKET, L/O LWR SUPPT	1	

# CCV

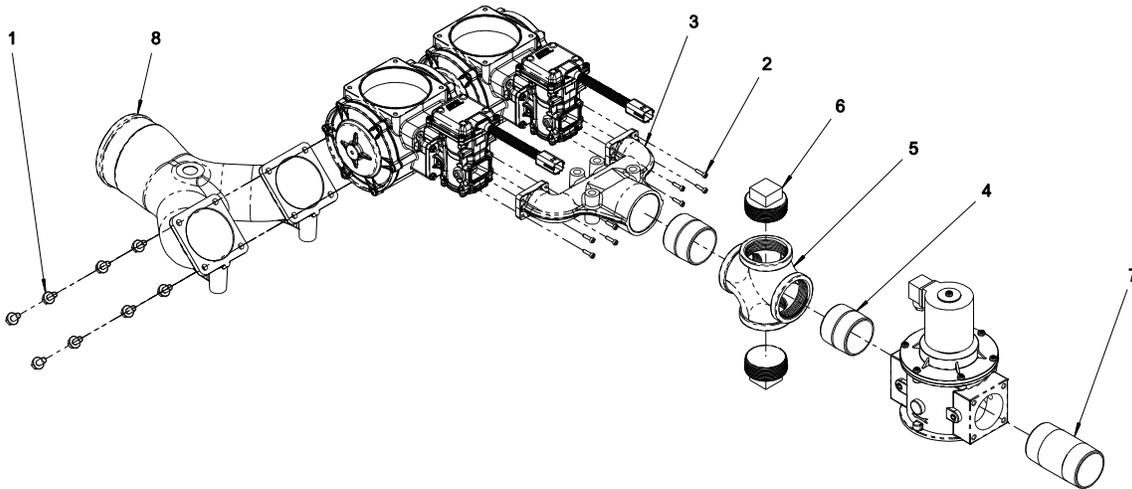


58070801-01

**CCV CONT.**

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	13500271	FITTING	1	
2	32000193	CLAMP, HOSE	3	
3	32500235	FITTING	1	
4	32501361	CLAMP, HOSE	5	
5	32501647-72	HOSE, VAPOR	1	72 IN
6	32501920	CLAMP	3	
7	32502391	FITTING, Y	1	
8	32502451-72	INSULATION, JACK	1	72 IN
9	32502550	FITTING	2	
10	35000343	BOLT	4	
11	35000662	BOLT	4	
12	35000694	BOLT	1	
13	35000847	BOLT	8	
14	35000937	BOLT	1	
15	52500217	BREATHER	1	
16	52500223	ADAPTER, CCV	1	
17	52500224	GASKET, CRANKCASE VENT	1	IN KIT A
18	52500225	HOSE	1	
19	52500236	CCV	1	
20	52500240	FITTING	1	
21	52500242	HOSE	1	
22	52500246	BRACKET, GREATHER	1	
23	52500255	PLATE, OIL DRAIN	1	
24	52500256	GASKET, OIL DRAIN	1	IN KIT A
25	52500257	HOSE, OIL DRAIN	1	
26	53500008	HOSE	1	
27	62500146	CLAMP, INSULATED	2	

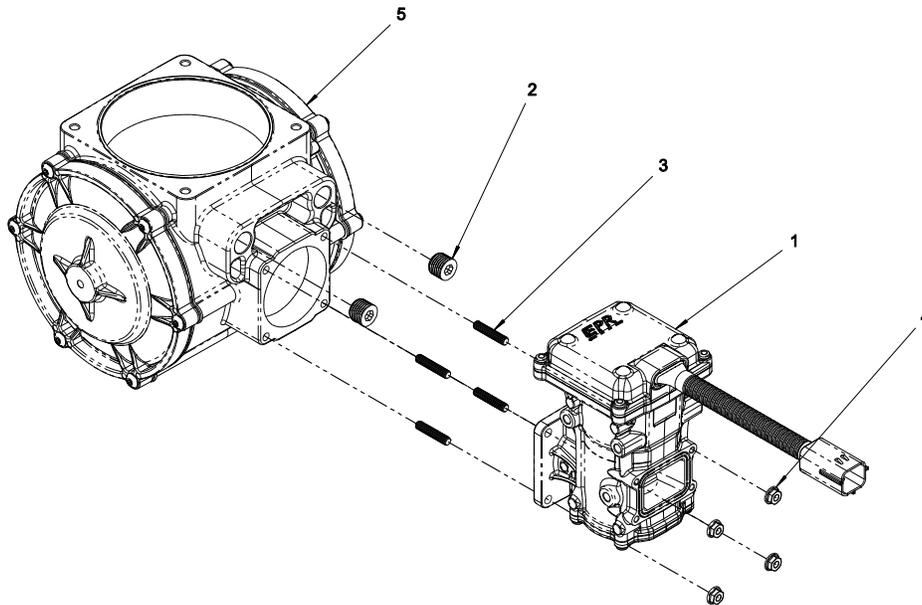
**FUEL (2 PER ENGINE)**



58070406-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000526	SCREW	8	
2	35000674	BOLT	8	
3	52500229	MANIFOLD, EPR	1	
4	52500251	NIPPLE	2	
5	52500252	FITTING	1	
6	52500253	PLUG	2	
7	52500254	NIPPLE	1	
8	53500221	ADAPTER MIXER TO TURBO	1	

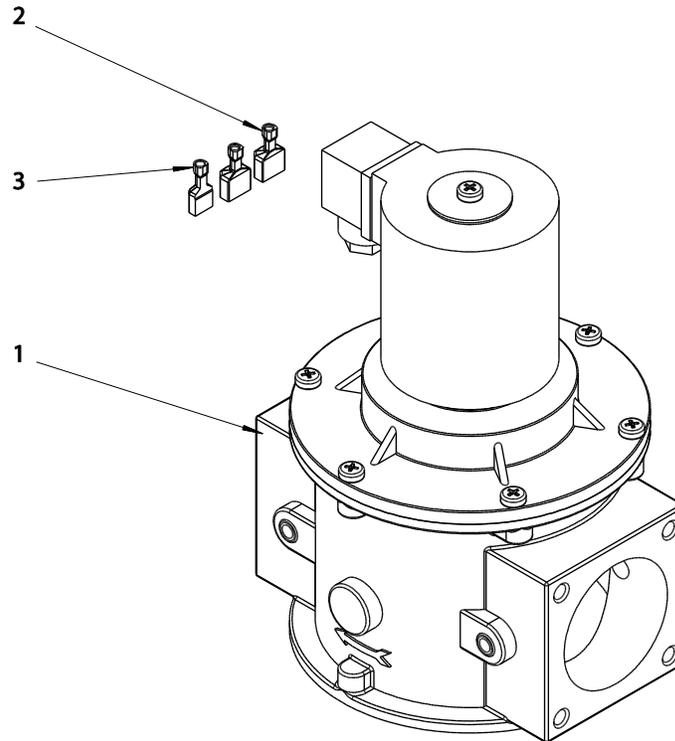
**EPR (4 PER ENGINE)**



58070400-03

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32501671	REGULATOR	1	
2	33500495	PLUG	2	
3	35000680	BOLT	4	
4	35000681	NUT	4	
5	52500237	MIXER	1	

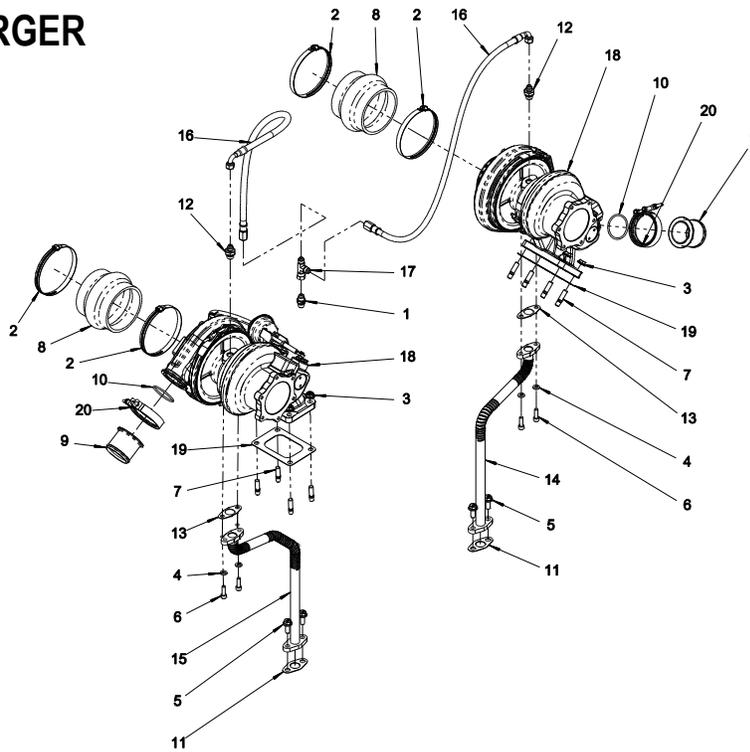
**LOCK OFF VALVE (2 PER ENGINE)**



58020411-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32502220	VALVE, LOCK OFF	1	
2	33001072	TERMINAL	2	
3	33001073	TERMINAL	1	

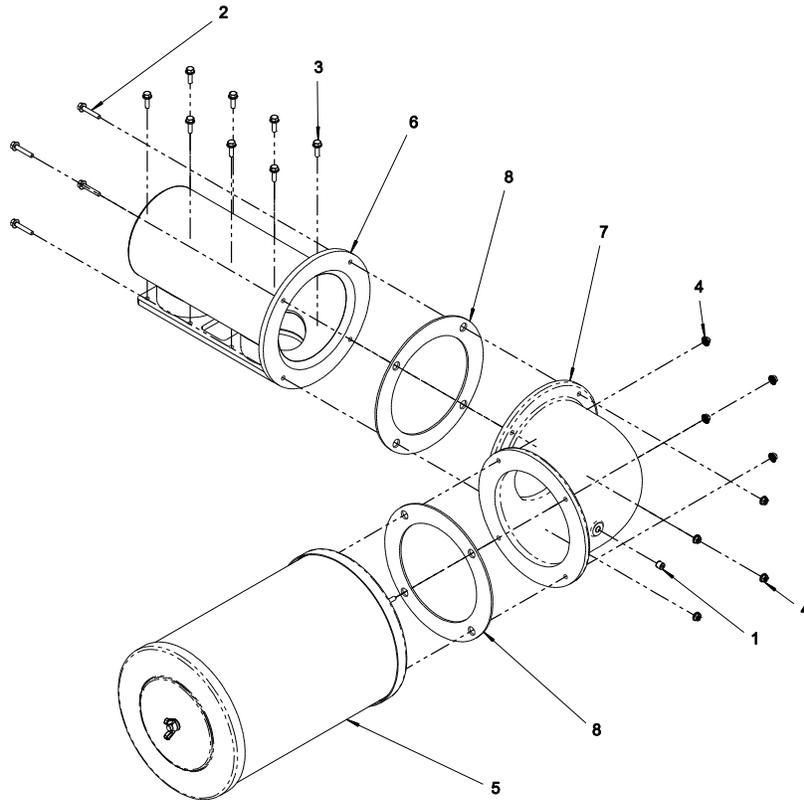
**TURBOCHARGER**



58070802-02

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32500597	FITTING,OIL SPL	1	
2	32500622	CLAMP	4	
3	35000196	NUT	8	
4	35000361	WASHER, LOCK	4	
5	35000368	BOLT	4	
6	35000754	BOLT	4	
7	35001151	STUD	8	
8	52000271	HOSE, HUMP	2	
9	52000272	ADAPTER, HUB	2	
10	52500073	O-RING	2	IN KIT A
11	52500243	GASKET, LOWER DRAIN	2	IN KIT A
12	52500258	FITTING	2	
13	52500261	GASKET, TURBO OIL DRAIN	2	IN KIT A
14	52500262	TUBE, TURBO RIGHT	1	
15	52500263	TUBE, TURBO LEFT	1	
16	53500008	HOSE	2	
17	53500021	FITTING, SWIVEL	1	
18	TBD	TURBOCHARGER (LEFT HAND)	1	
18	TBD	TURBOCHARGER (RIGHT HAND)	1	
19	53500215	GASKET, TURBO	2	IN KIT A
20	53500216	CLAMP	2	

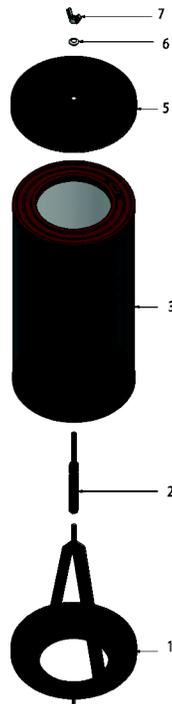
**AIR FILTER (2 PER ENGINE)**



58070604-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32501516	PLUG,	1	
2	35000531	BOLT	4	
3	35000696	BOLT, FLANGE	8	
4	35000699	NUT	8	
5	33501217	ELEMENT, AIR FILTER	1	DOES NOT INCL FILTER BASE OR TOP
6	53500225	ADAPTER FILTER TO MIXER	1	
7	53500226	ELBOW STREET	1	
8	53500227	GASKET, AIR FILTER	2	IN KIT A

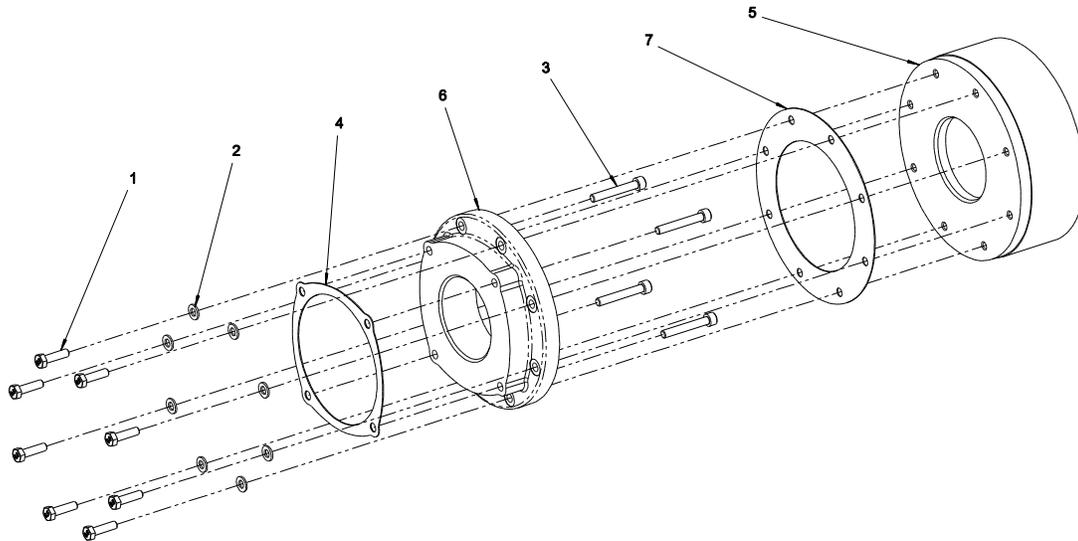
**AIR FILTER (2 PER ENGINE) CONT.**



53500224-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	108382	BASE, FILTER	1	
2	108383	ROD	1	
3	33501217	FILTER ELEMENT	1	
5	33500771	TOP, OPEN FILTER	1	
6	109219	WASHER, A/C	1	
7	109218	NUT, WING A/C	1	

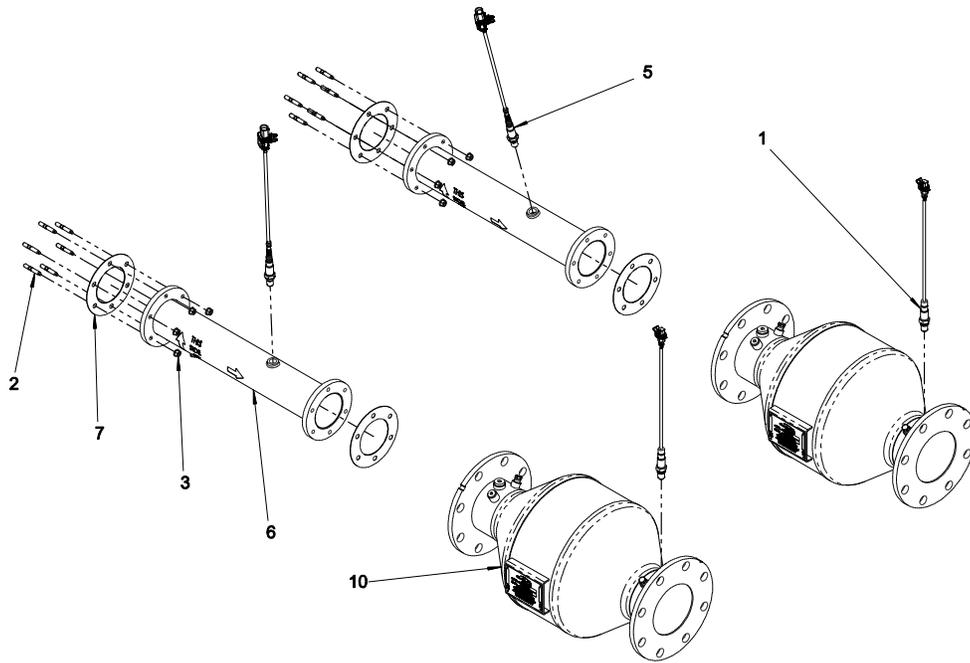
**RELIEF VALVE**



58070605-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000019	BOLT	8	
2	35000426	WASHER, FLAT	8	
3	35000807	BOLT	4	
4	53500212	GASKET, THROTTLE ADAPTER	1	IN KIT A
5	53500229	VALVE, RELIEF	1	
6	53500230	ADAPTER, RELIEF VALVE	1	
7	53500231	GASKET, RELIEF VALVE	1	IN KIT A

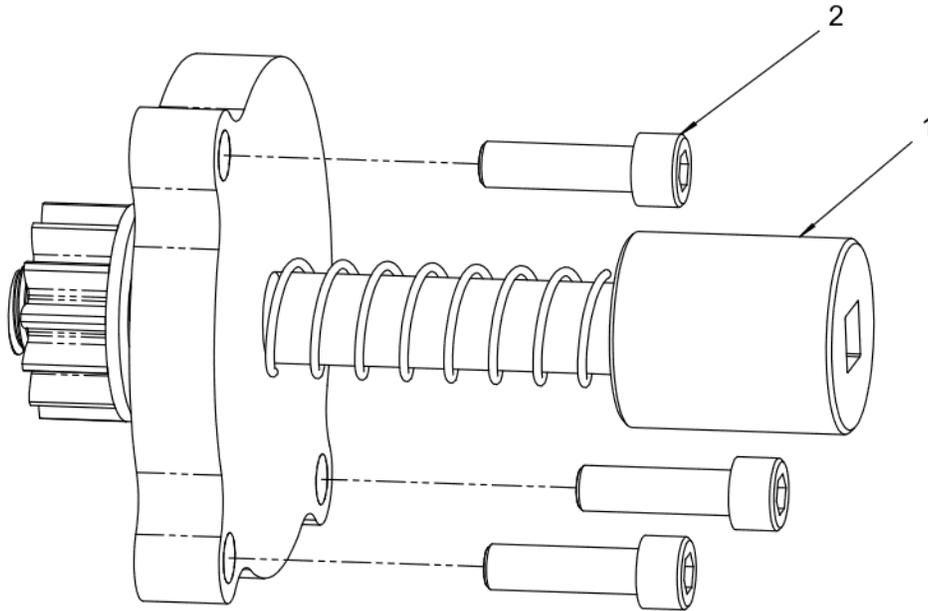
# CATALYST



59300130-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	32501267	SENSOR, O2	2	
2	33501052	STUD, EXHAUST	12	
3	35000844	NUT	12	
5	53000058	SENSOR, O2	2	
6	53500228	PIPE, EXHAUST	2	
7	53500232	GASKET, EXHAUST	4	IN KIT A
10	58907002	CATALYST	2	

**BARRING OVER TOOL**



58070101-01

POS.	PART NUMBER	DESCRIPTION	QTY	NOTES
1	35000493	BOLT	3	
2	52500309	TOOL, BARRING OVER	1	

## REVISIONS TO BOOK

DATE	OLD	SECTION	CHANGE
6-14-18	6-13-10	AIR FILTER	DELETE ITEM 5-53500224 AIR FILTER ADD ITEM 5-33501217 AIR FILTER ELEMENT
6-14-18	6-13-10	CYINDER HEAD SUB ASSY	ADDED SECTION PREVIOUSLY DELETED
6-15-18	6-13-10	CYLINDER LINERS	DESCRIPTION CHANGE ITEM 9 DELETE CAP, MAIN BRG ADD BOLT
6-21-18	6-15-18	INTAKE MANIFOLD	ADDED INTAKE MANIFOLD PAGE ADDED PM AND SVC PAGES
6-29-18	6-21-18	AIR FILTER CONT	ADDED PAGE FOR BREAKDOWN OF AIR FILTER PARTS
9-18-18	6-29-18	IGNITION COIL PM KIT 2	REVISED SPARK PLUG FROM 732901 TO 53000220
8-29-19	9-18-18	OIL FILL TUBE	ADD ITEM - OIL TUBE CAP - PART NUMBER 720058 - QTY 1
04-03-20	NA	BARRING OVER TOOL	ADDED SECTION
04-03-20	09-18-18	IGNITION COIL	REVISED ITEM 4 - IGNITION COIL - PART NUMBER FROM 53000004 TO 53000041
03-15-21	09-18-18	CYLINDER BLACK	REVISED ITEM 4 - MAIN BEARING SET - PART NUMBER FROM 779001 TO 799001