

6059 and 6068 OEM Engines



PARTS CATALOG

Deere Power Systems Group
PC2204

LITHO IN U.S.A. (REVISED)

INTRODUCTION AND CUSTOMER INFORMATION

ACCESSORY CODE PLATE
6059 (5.9 LITER) AND 6068 (6.8 LITER)

T35527

ACCESSORY CODE PLATE

JOHN DEERE	
CONTROL:	XXXXXXXXXXXXXXXXXX
BASIC ENGINE	XXXXX
OPTION CODES	
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX XXXX

T35527

A03

6059 AND 6068 OEM ENGINES (DUBUQUE)

*NOTE: ACCESSORIES NOT SOLD BY JOHN DEERE WILL BE INDICATED ON THE CODE PLATE WITH THE DESIGNATION "OO." THE ORIGINAL EQUIPMENT MANUFACTURER WILL BE RESPONSIBLE FOR WARRANTY SERVICE ON THIS CATEGORY OF ACCESSORY.

OPTION CODES

YOUR ENGINE IS EQUIPPED WITH OPTIONAL EQUIPMENT. EACH OPTION IS CATALOGED UNDER AN OPTION CODE NUMBER WHICH IS LISTED AT THE TOP OF THE PAGE BETWEEN THE PAGE HEADING AND THE EXPLODED VIEW.

TO THE CUSTOMER

THE PART NUMBERS IN THIS PARTS CATALOG WERE CORRECT AT THE TIME YOUR MACHINE WAS MANUFACTURED. IT IS OUR POLICY TO CONSTANTLY IMPROVE OUR MACHINES AND, THEREFORE, PART NUMBERS MAY CHANGE. WHEN ORDERING PARTS, VERIFY PART NUMBERS THROUGH YOUR DEALER'S CATALOG WHICH IS UP-TO-DATE.

(SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE.)

SERIAL NUMBER LISTING INFORMATION

SERIAL NUMBER INFORMATION IS LISTED TO SHOW ON WHICH MACHINES EACH PART CAN BE USED; FOR EXAMPLE:

-	THE PART CAN BE USED ON ALL MACHINES.
000000-	THE PART CAN BE USED ON ALL MACHINES BEGINNING WITH THE SERIAL NUMBER LISTED.
-000000	THE PART CAN BE USED ON ALL MACHINES UP TO AND INCLUDING THE SERIAL NUMBER LISTED.
000000-000000	THE PART CAN BE USED ON ALL MACHINES BETWEEN AND INCLUDING THE SERIAL NUMBERS LISTED.

WHEN XXXXXX'S ARE LISTED IN PLACE OF A SERIAL NUMBER, A SERIAL NUMBER CHANGE WAS MADE BUT THE EXACT SERIAL NUMBER WAS NOT AVAILABLE WHEN THE CATALOG WAS PRODUCED.

DIRECTION ARROW

ARROWS ARE USED WITH ILLUSTRATIONS TO INDICATE THE FRONT OF THE ENGINE. "RIGHT-HAND" AND "LEFT-HAND" SIDES ARE DETERMINED BY STANDING AT THE DRIVE OR PTO END AND FACING THE ENGINE.

BOX-ENCLOSED ILLUSTRATIONS

A KEY NUMBER, SHOWN IN THE PARTS LIST, IS ASSIGNED TO A BOX ENCLOSING ALL PARTS SOLD AS A SERVICE ASSEMBLY.

BOLT AND CAP SCREW STRENGTH IDENTIFICATION

BOLTS AND CAP SCREWS REQUIRED TO HAVE HIGH-STRENGTH QUALITIES EQUIVALENT TO SAE GRADE 8 ARE IDENTIFIED THROUGHOUT THIS CATALOG BY THE DESCRIPTION HS SAE 8. ALL STANDARD BOLTS AND CAP SCREWS ARE SAE GRADE 5 OR LOWER.

COMPLETE GOODS LISTINGS

COMPLETE GOODS ARE LISTED IN BOLD FACE TYPE. ORDER SEPARATELY. DO NOT INCLUDE ON REPLACEMENT PARTS ORDER.

SI UNITS OF MEASURE

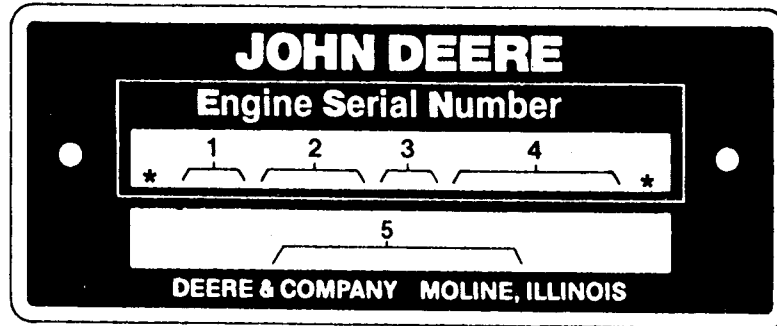
METRIC DIMENSIONS ARE GIVEN, WHERE APPLICABLE, THROUGHOUT THIS PARTS CATALOG.

A05

6059 AND 6068 OEM ENGINES (DUBUQUE)

ENGINE SERIAL NUMBER PLATE

TP8011



TP8011

1. DESIGNATES ENGINE MANUFACTURER
2. DESIGNATES NUMBER OF CYLINDERS AND LITERS
3. DESIGNATES FUEL TYPE OR SPECIAL CONDITION
4. DESIGNATES ENGINE SERIAL NUMBER
5. DESIGNATES THE ENGINE APPLICATION AND FACTORY USER.

T-JOHN DEERE DUBUQUE WORKS
6059 (5.9 LITER)
6068 (6.8 LITER)
DF NON-TURBOCHARGED DIESEL ENGINE
TF TURBOCHARGED DIESEL ENGINE
123456
6059DF001
6059TF001
6059FT002
6059TF003
6059TF004
6068DF001
6068TF001

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PIPING
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C8	OIL PAN, ENGINE	0407 - 16A	D7	PUMP, FUEL INJECTION	0413 - 12
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W

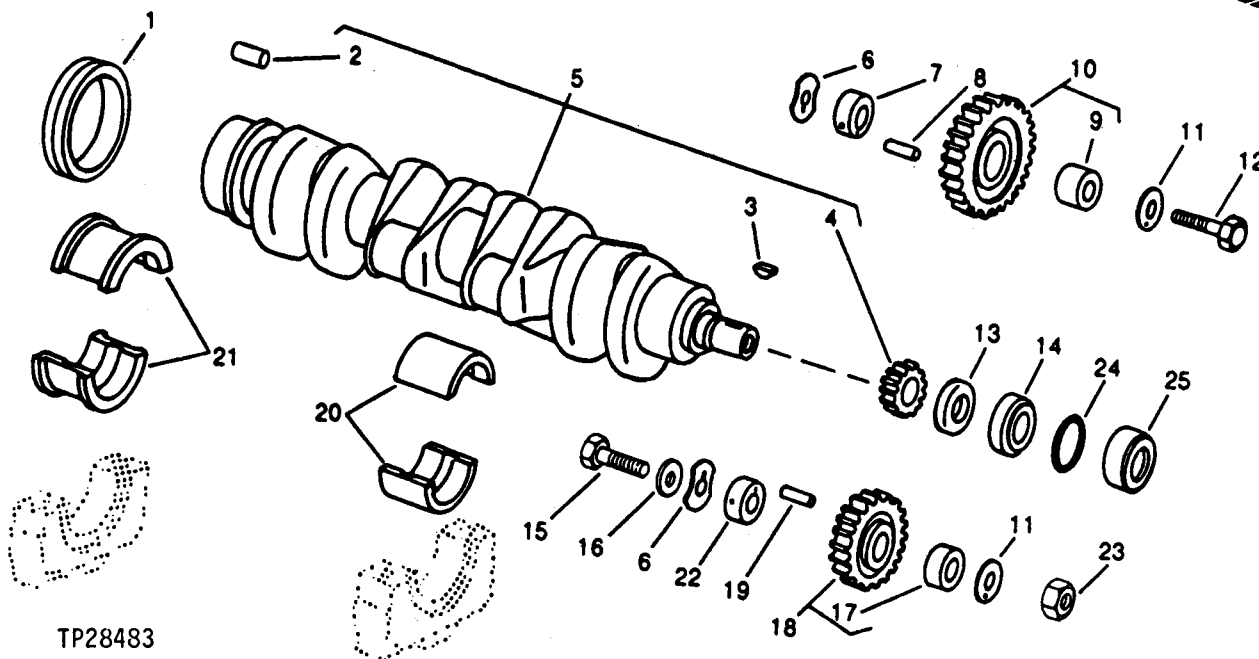
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A19

ENGINE 4

CRANKSHAFT AND MAIN BEARINGS 0401 CRANKSHAFT, IDLER GEARS AND MAIN BEARINGS CODE 4701 CRANKSHAFT

TP28483



TP28483

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	RE24959	SEAL	1	6 6	(USE IF AVAILABLE)
	RE44574	SEAL	1	0 0	(SUB FOR RE24959)
2	R48685	DOWEL PIN	1	5 6	
3	26H72	SHAFT KEY	1	9 8	
4	T20094	GEAR	1		1/8" X 5/8"
5	AT22562	CRANKSHAFT	1		(24 TEETH)
	RE33687	CRANKSHAFT	1		(MARKED T23266)
6	T26324	THRUST WASHER	2		
7	R89824	SHAFT	1		
8	34H283	SPRING PIN	1		
9	T20034	BUSHING	1		3/16" X 1-1/8"
10	AR91660	GEAR	1		(55 TEETH) (MARKED R70182)
11	T26326	THRUST WASHER	2		
12	T26327	SCREW	1		
13	T20046	OIL SLINGER	1		
14	AR67942	SEAL	1		
15	19H3011	CAP SCREW	1		HS. SAE 8, 1/2" X 2-1/8"
16	R100105	WASHER	1		(SUB FOR R76126, THIS APPLICATION)
17	T26321	BUSHING	1		
18	AT24252	GEAR	1		(45 TEETH) (MARKED T26322)
19	34H286	SPRING PIN	1		3/16" X 1-1/2"

A20

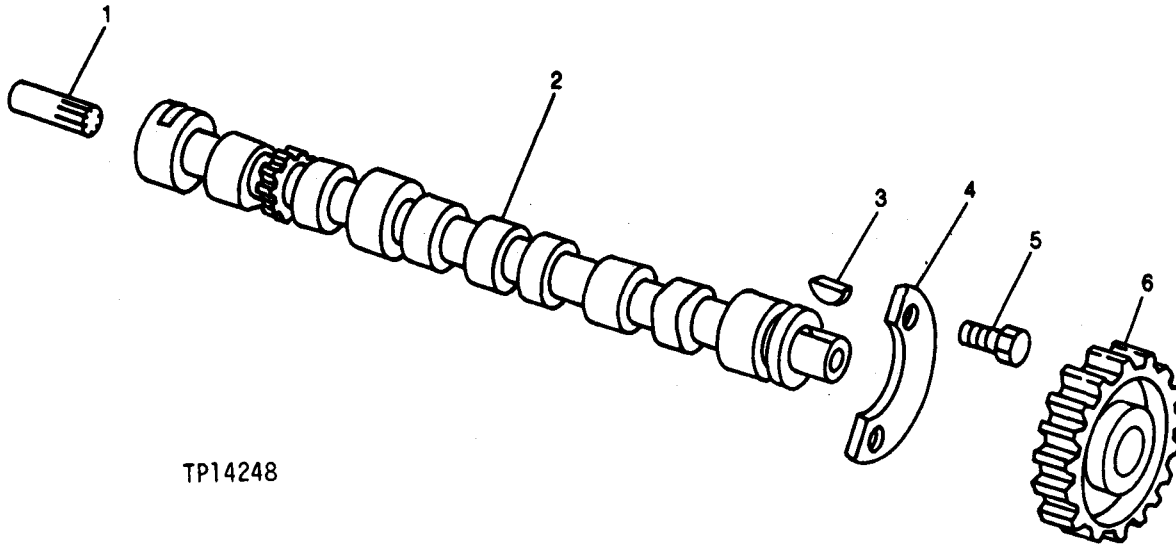
ENGINE 4

CRANKSHAFT AND MAIN BEARINGS 0401 CODE 4701 CRANKSHAFT

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 0 5 6 9 8	
20	AT21140	BEARING	6	X X	STANDARD
	AT21108	BEARING	6	X X	0.05 MM (.002") UNDERSIZE
	AT21110	BEARING	6	X X	0.25 MM (.010") UNDERSIZE
	AT21112	BEARING	6	X X	0.51 MM (.020") UNDERSIZE
	AT21114	BEARING	6	X X	0.76 MM (.030") UNDERSIZE
21	AT21139	BEARING	1	X X	STANDARD
	AT21130	BEARING	1	X X	0.05 MM (.002") UNDERSIZE
	AT21132	BEARING	1	X X	0.25 MM (.010") UNDERSIZE
	AT21134	BEARING	1	X X	0.51 MM (.020") UNDERSIZE
	AT21136	BEARING	1	X X	0.76 MM (.030") UNDERSIZE
22	R89824	SHAFT	1	X X	
23	E69392	NUT	1	X X	(SUB FOR 14H865, THIS APPLICATION)
24	H35244	RING	1	X X	
25	R81989	SLEEVE	1	X X	

CAMSHAFT
CODE 4601 CAMSHAFT

TP14248



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R81514	GEAR	1		X X	TACHOMETER (12 TEETH) (WITH MECHANICAL TACHOMETER DRIVE)
2	R82821	CAMSHAFT	1		X X	
3	T28041	SHAFT KEY	1		X X	
4	T20072	PLATE	1		X X	THRUST
5	19H218	CAP SCREW	1		X X	3/8" X 1"
6	T20070	GEAR	1		X X	(48 TEETH)

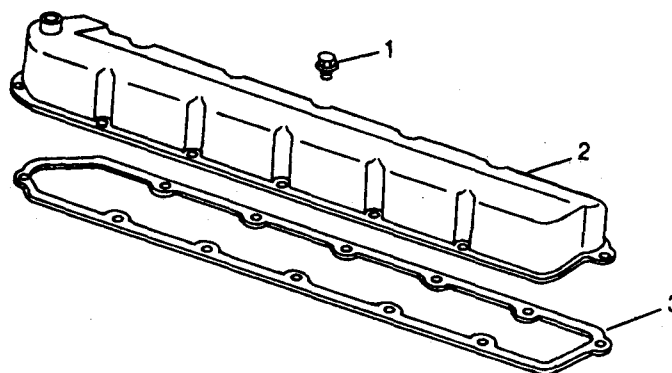
A22

ENGINE 4

CAMSHAFT AND VALVE ACTUATING MEANS 0402

CODE 1102 **ROCKER ARM COVER**
ROCKER ARM COVER, NO OIL FILLER

TP25871



TP25871

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	AR45530	SCREW, WITH WASHER	12	6 6 0 0 5 6 9 8	
2	AT21679	VALVE COVER	1	X X	
3	R75728	GASKET	1	X X	

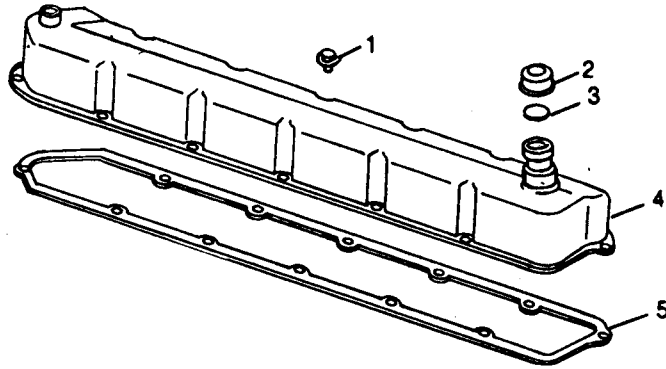
A23

ENGINE 4

CAMSHAFT AND VALVE ACTUATING MEANS 0402

ROCKER ARM COVER CODE 1103 ROCKER ARM COVER, REAR OIL FILLER

TP25873

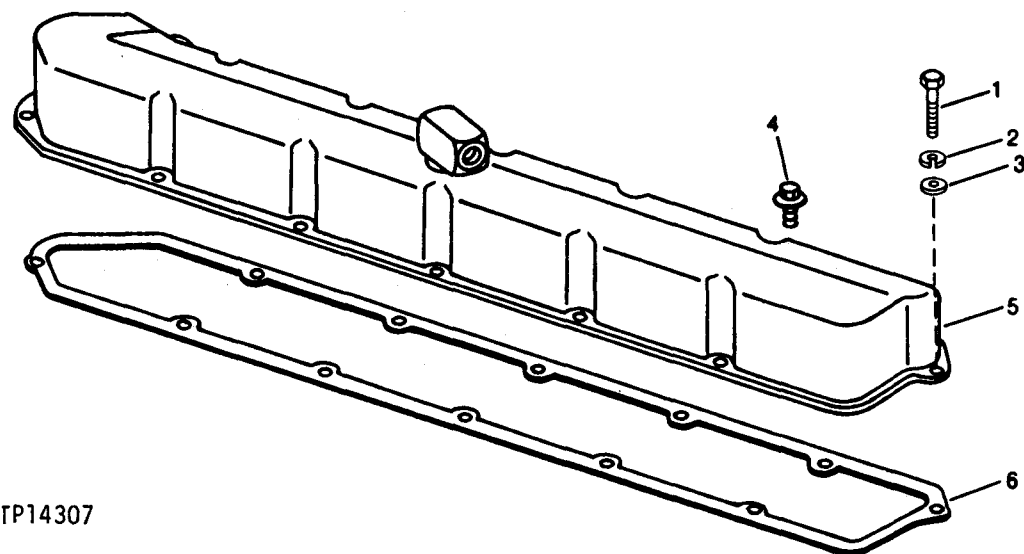


TP25873

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	AR100124	SCREW, WITH WASHER	12	6 6 0 0 5 6 9 8	
2	T20294	CAP	1	X X	
3	T20328	GASKET	1	X X	
4	AT18188	VALVE COVER	1	X X	
5	R75728	GASKET	1	X X	

ROCKER ARM COVER
CODE 1110 ROCKER ARM COVER WITHOUT OIL FILLER

TP14307



TP14307

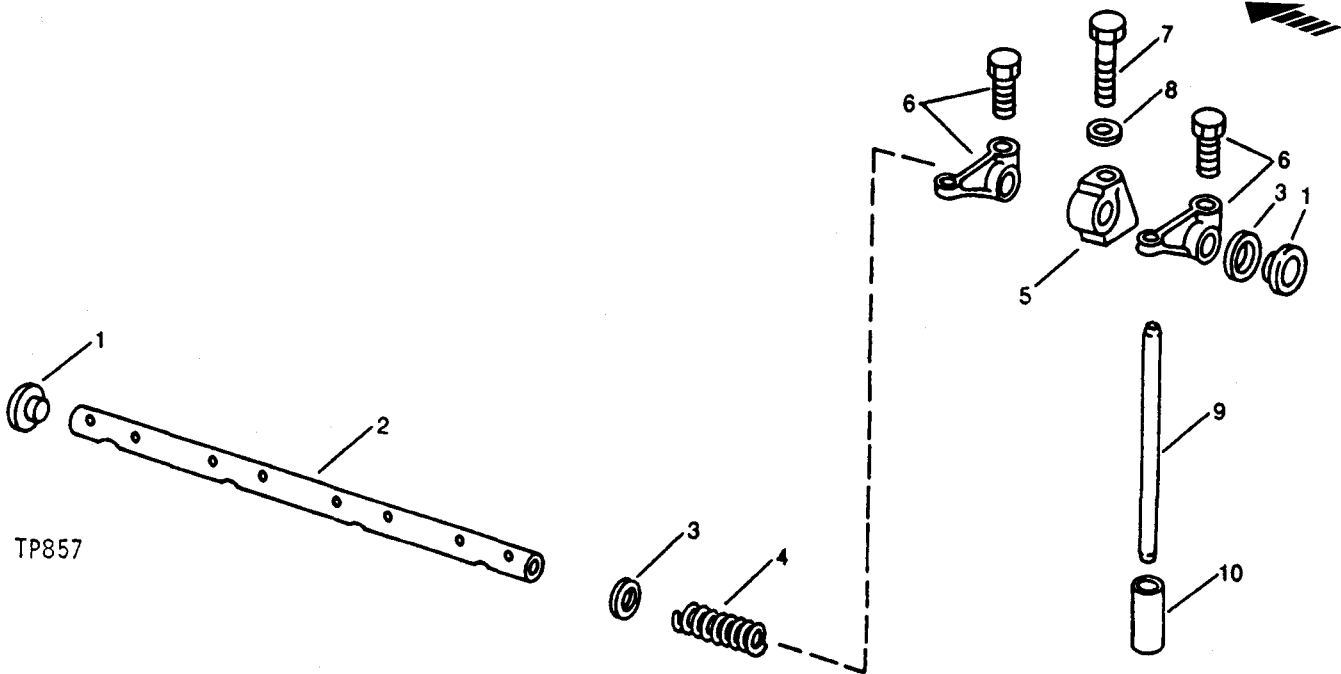
KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	19H2036	CAP SCREW	1	6 6	
2	12H302	LOCK WASHER	1	0 0	
3	R64764	WASHER	1	5 6	
4	AR100124	SCREW, WITH WASHER	12	9 8	
5	AR71698	COVER	1		
6	R75728	GASKET	1		

A25

ENGINE 4

CAMSHAFT AND VALVE ACTUATING MEANS 0402 ROCKER ARM SHAFT, PUSH RODS AND ROCKER ARMS CODE 4901 VALVE ACTUATING

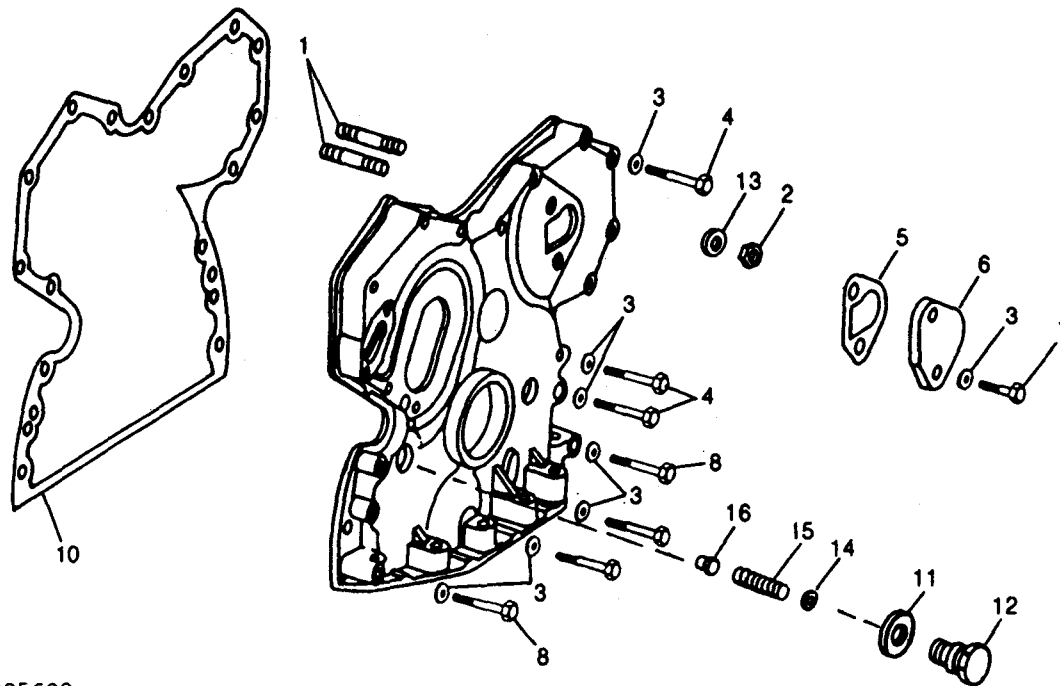
TP857



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R54565	PLUG	2	6 6	
2	R54986	SHAFT	1	0 0	
3	T20316	WASHER	2	5 6	
4	T20314	SPRING	5	9 8	
5	T20315	SUPPORT	6		
6	RE31973	ROCKER ARM	12		
7	19H268	CAP SCREW	6		3/8" X 2-1/2"
8	R42729	WASHER	6		
9	R82896	PUSH ROD	12		
	R83429	PUSH ROD	12		
10	T20073	TAPPET	12		

TIMING GEAR COVER
CODE 4401 TIMING GEAR COVER WITH MECHANICAL TACHOMETER DRIVE

TP25609

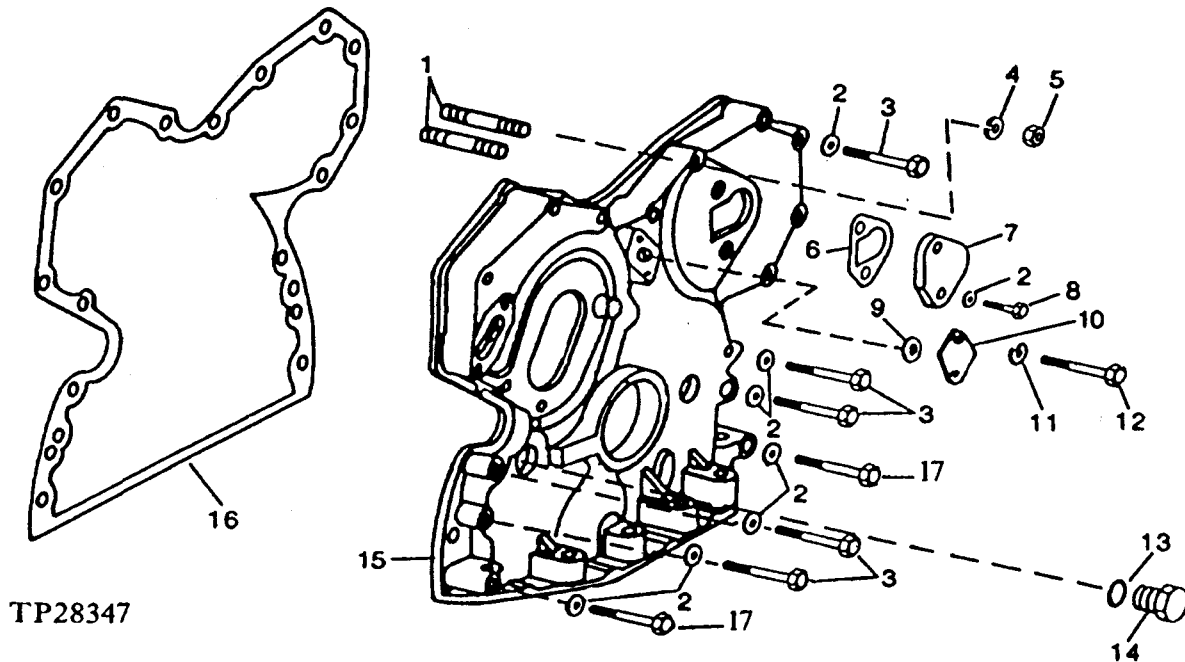


TP25609

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	T33279	STUD	2	6 6	
2	14H812	NUT	2	0 0	
3	24H1304	WASHER	16	5 6	
4	19H2549	CAP SCREW	5	9 8	
	19H3530	CAP SCREW	5		
5	R97773	GASKET	1		(SUB FOR R78366)
6	T20362	COVER	1		
7	19H2284	CAP SCREW	2		
8	19H268	CAP SCREW	2		
9	RE39252	COVER	1		WITH INSERTS, (SUB FOR RE27895)
10	R97454	GASKET	1		(SUB FOR T20155)
11	A4827R	WASHER	1		
12	T27657	FITTING PLUG	1		
13	12H304	LOCK WASHER	2		
14	24H1290	WASHER	AR		
15	T27658	SPRING	1		
16	R83169	VALVE	1		

TIMING GEAR COVER
CODE 4402 TIMING GEAR COVER WITH ELECTRONIC TACHOMETER DRIVE
CODE 4403 TIMING GEAR COVER WITH MECHANICAL AND ELECTRONIC TACHOMETER DRIVE

TP28347



TP28347

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	T33279	STUD	2	6 6	
2	24H1304	WASHER	12	0 0	
3	19H2549	CAP SCREW	5	5 6	
	19H3530	CAP SCREW	5	9 8	
4	12H304	LOCK WASHER	2		13/32" X 23/32" X 0.120"
5	14H812	NUT	2		3/8" X 1-7/8"
6	R97773	GASKET	1		1/2" X 7/8"
7	T20362	COVER	1		3/8"
8	19H2284	CAP SCREW	2		
9	R47154	O-RING	2		3/8" X 7/8"
10	R67769	COVER	1		
11	12H302	LOCK WASHER	2		1/4"
12	19H1948	CAP SCREW	2		1/4" X 3/4"
13	A4827R	WASHER	1		
14	T27657	FITTING PLUG	1		
15	RE30685	COVER	1		
16	R97454	GASKET	1		
17	19H268	CAP SCREW	2		3/8" X 2-1/2"

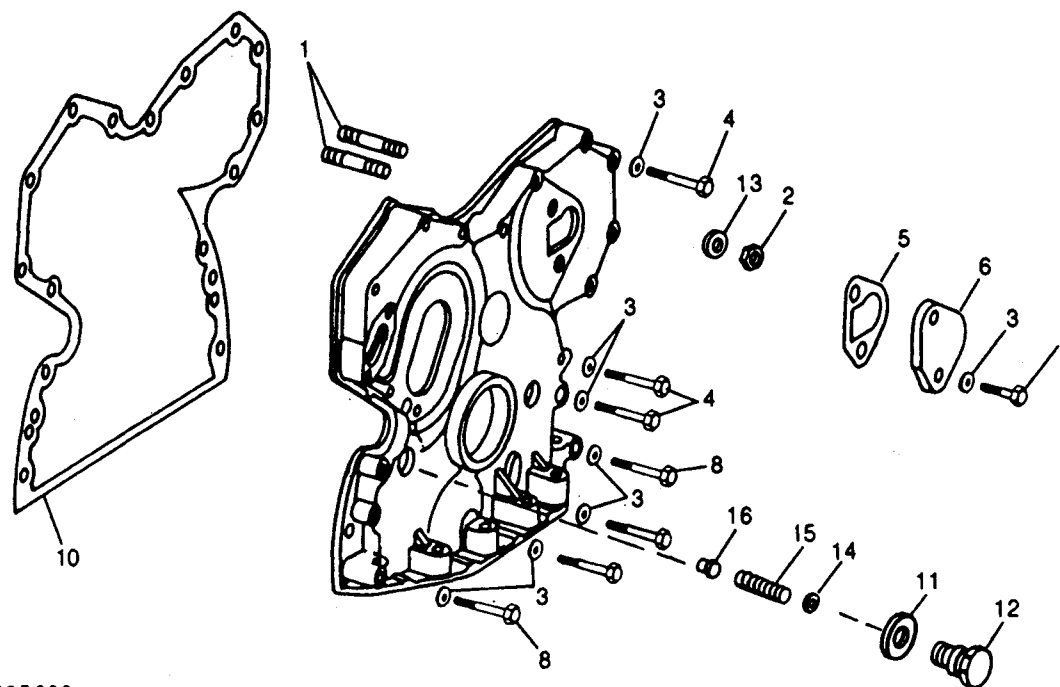
B03

ENGINE 4

CAMSHAFT AND VALVE ACTUATING MEANS 0402

CODE 4404 TIMING GEAR COVER TIMING GEAR COVER WITH MECHANICAL TACHOMETER DRIVE (WITH TURBOCHARGER)

TP25609



TP25609

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	T33279	STUD	2	6 6	
2	14H812	NUT	2	0 0	3/8"
3	24H1304	WASHER	16	5 6	13/32" X 23/32" X 0.120"
4	19H2549	CAP SCREW	10	9 8	3/8" X 1-7/8"
5	R97773	GASKET	1		(SUB FOR R78366)
6	T20362	COVER	1		
7	19H2284	CAP SCREW	2		
8	19H268	CAP SCREW	2		3/8" X 2-1/2"
9	RE39252	COVER	1		WITH INSERTS, (SUB FOR RE27895)
10	R97454	GASKET	1		
11	A4827R	WASHER	1		
12	T27657	FITTING PLUG	1		
13	24H1304	WASHER	2		13/32" X 23/32" X 0.120"
14	24H1290	WASHER	AR		21/64" X 3/4" X 0.035"
15	T27658	SPRING	1		
16	R83169	VALVE	1		

ENGINE 4

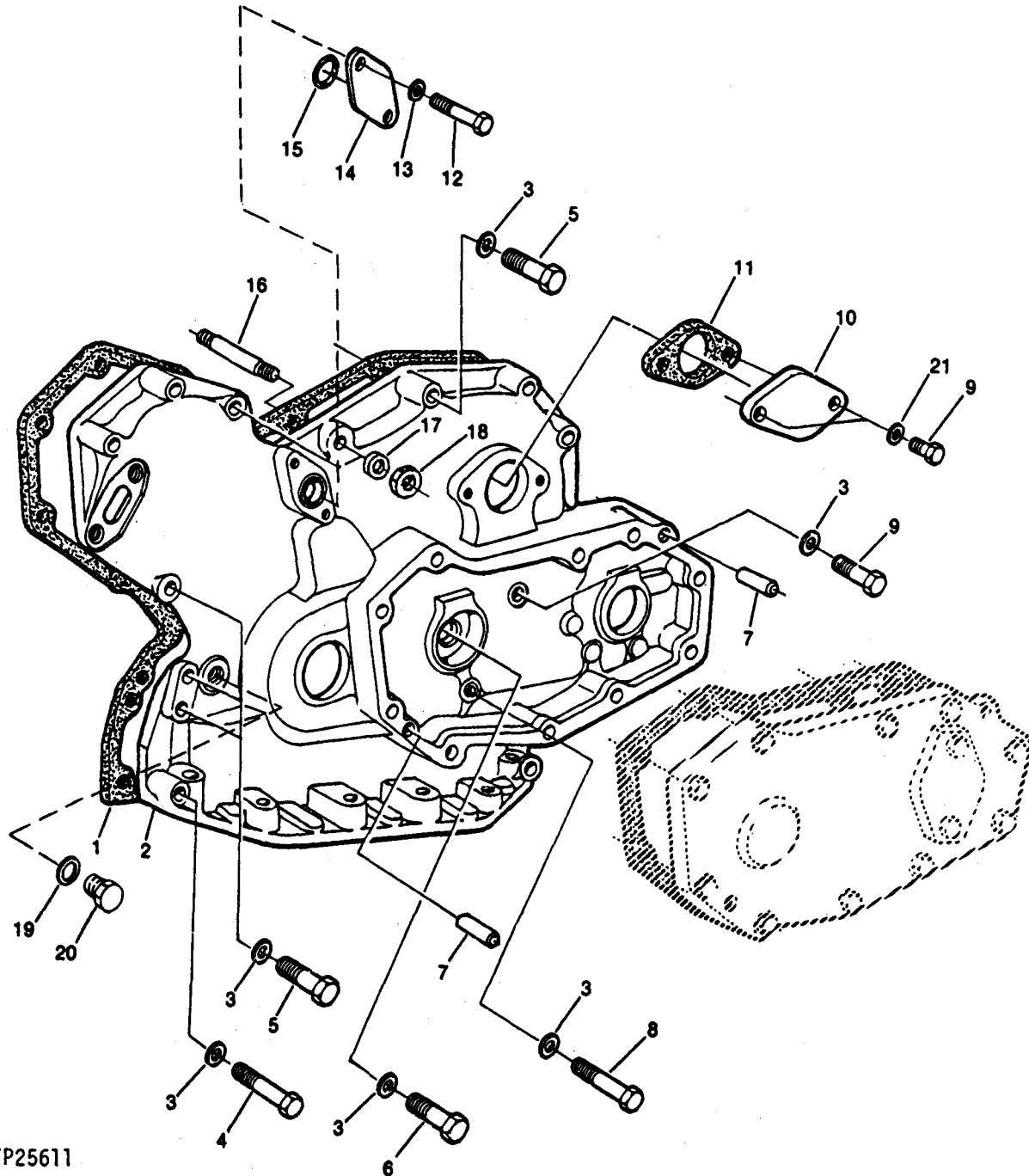
CAMSHAFT AND VALVE ACTUATING MEANS 0402

TIMING GEAR COVER

CODE 4408
CODE 4409

TIMING GEAR COVER WITH ELECTRONIC TACHOMETER DRIVE AND AUXILIARY DRIVE GEAR
TIMING GEAR COVER WITH MECHANICAL TACHOMETER DRIVE AND AUXILIARY DRIVE GEAR

TP25611



B05

ENGINE 4

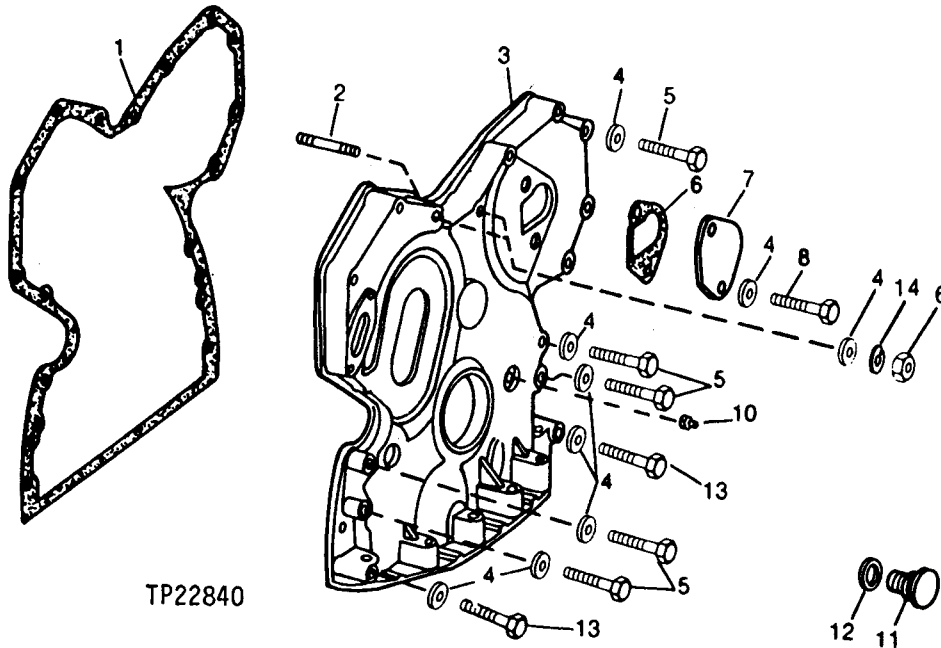
CAMSHAFT AND VALVE ACTUATING MEANS 0402

CODE 4408 TIMING GEAR COVER
CODE 4409 TIMING GEAR COVER WITH ELECTRONIC TACHOMETER DRIVE AND AUXILIARY DRIVE GEAR
TIMING GEAR COVER WITH MECHANICAL TACHOMETER DRIVE AND AUXILIARY DRIVE GEAR

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R97454	GASKET	1		X X	
2	R84160	COVER	1		X X	
3	24H1304	WASHER	13		X X	13/32" X 23/32" X 0.120"
4	19H268	CAP SCREW	2		X X	3/8" X 2-1/2"
5	19H2549	CAP SCREW	6		X X	3/8" X 1-7/8"
6	19H988	CAP SCREW	1		X X	3/8" X 1-1/4"
7	B153R	DOWEL PIN	1		X X	
8	19H1800	CAP SCREW	1		X X	3/8" X 1-1/2"
9	19H218	CAP SCREW	3		X X	3/8" X 1"
10	R85059	COVER	1		X X	
11	R85058	GASKET	1		X X	
12	19H1948	CAP SCREW	2		X X	1/4" X 3/4"
13	12H302	LOCK WASHER	2		X X	1/4"
14	R67769	COVER	1		X X	
15	R47154	O-RING	1		X X	
16	T33279	STUD	2		X X	
17	12H304	LOCK WASHER	2		X X	3/8"
18	14H812	NUT	2		X X	3/8"
19	A4827R	WASHER	1		X X	
20	T27657	FITTING PLUG	1		X X	
21	24H1304	WASHER	2		X X	13/32" X 23/32" X 0.120"

CODE 4499 TIMING GEAR COVER
TIMING GEAR COVER WITHOUT TACHOMETER DRIVE

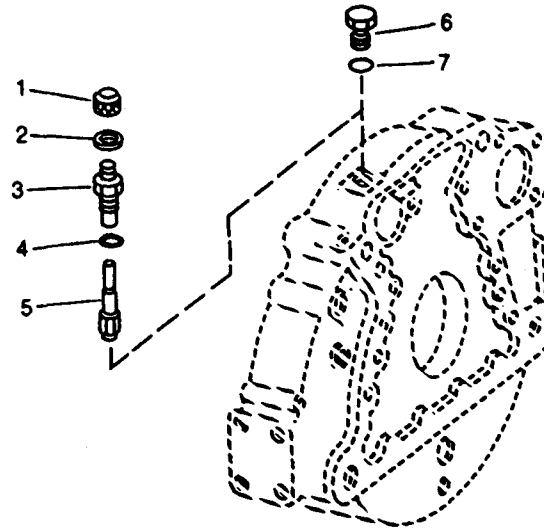
TP22840



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 0 5 6 9 8	
1	R97454	GASKET	2	X X	
2	T33279	STUD	2	X X	
3	RE39252	COVER	1	X X	(SUB FOR RE27895)
4	24H1304	WASHER	16	X X	13/32" X 23/32" X 0.120"
5	19H2549	CAP SCREW	5	X X	3/8" X 1-7/8"
	19H3530	CAP SCREW	5	X X	1/2" X 7/8"
6	R97773	GASKET	1	X X	
7	T20362	COVER	1	X X	
8	19H2284	CAP SCREW	2	X X	3/8" X 7/8"
9	14H812	NUT	2	X X	3/8"
10	15H275	PIPE PLUG	1	X X	HEX. CTSK., 1/4"
11	T27657	FITTING PLUG	1	X X	
12	A4827R	WASHER	1	X X	ALUMINUM
13	19H268	CAP SCREW	2	X X	3/8" X 2-1/2"
14	12H304	LOCK WASHER	2	X X	3/8"

TACHOMETER DRIVE MECHANICAL TACHOMETER DRIVE

TP26830



TP26830

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	B3362R	CAP	1	6 6	
2	B3285R	WASHER	1	0 0	
3	R90027	ADAPTER	1	5 6	
4	T13213	WASHER	1	9 8	
5	R90029	PINION	1		
6	M1746T	DRAIN PLUG	1		(WITHOUT TACHOMETER DRIVE)
7	T13213	WASHER	1		(WITHOUT TACHOMETER DRIVE)

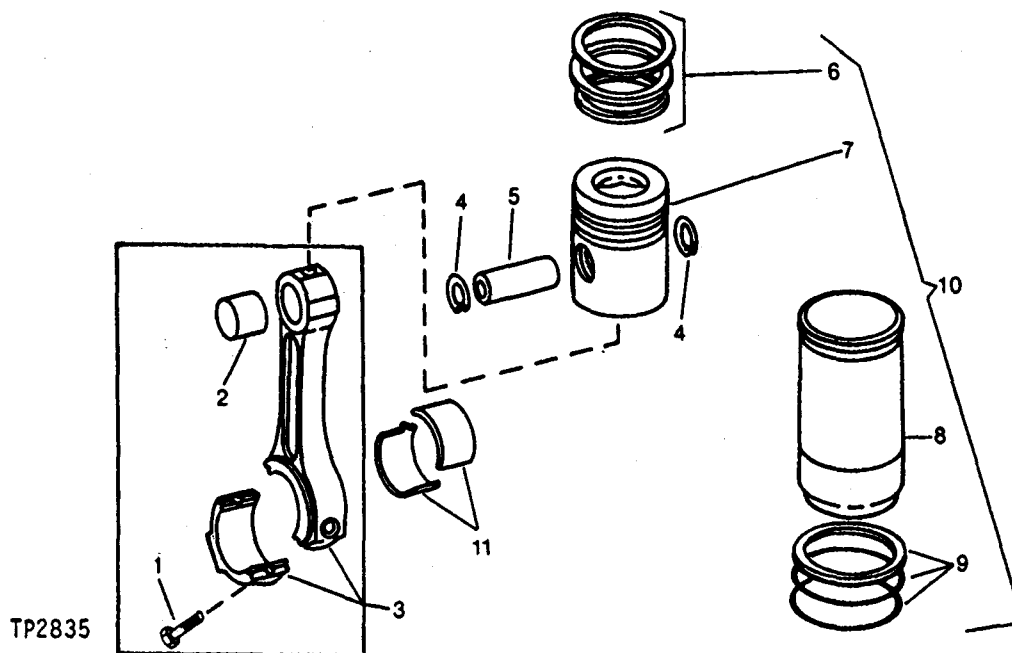
B08

ENGINE 4

CONNECTING RODS AND PISTONS 0403

CONNECTING ROD, PISTON, RINGS AND LINER CODE 4801 CONNECTING ROD AND PISTON (WITH TURBOCHARGER) (6059)

TP2835



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R80033	SCREW	12	6 6	
2	R57451	BUSHING	6	0 0	
3	RE42733	CONNECTING ROD	6	5 6	(MARKED R80032)
4	R54114	SNAP RING	12	9 8	
5	R56188	PISTON PIN	12		
6	RE15674	PISTON RING KIT	6		
7	RE19278	PISTON	6		WITH INSERT
8	R90059	CYLINDER LINER	6		(ALSO USE AR54749 LUBRICANT FOR CYLINDER LINER PACKING INSTALLATION)
9	AR65507	O-RING KIT	6		
10	RE33115	KIT	6		
11	AR71080	BEARING	6		STANDARD (SET OF (2) R58980)
	AR76128	BEARING	6		.05 MM (.002") UNDERSIZE (SET OF (2) R62072)
	AR76129	BEARING	6		.25 MM (.010") UNDERSIZE (SET OF (2) R62073)
	AR76130	BEARING	6		.51 MM (.020") UNDERSIZE (SET OF (2) R62074)
	AR76131	BEARING	6		.76 MM (.030") UNDERSIZE (SET OF (2) R62075)

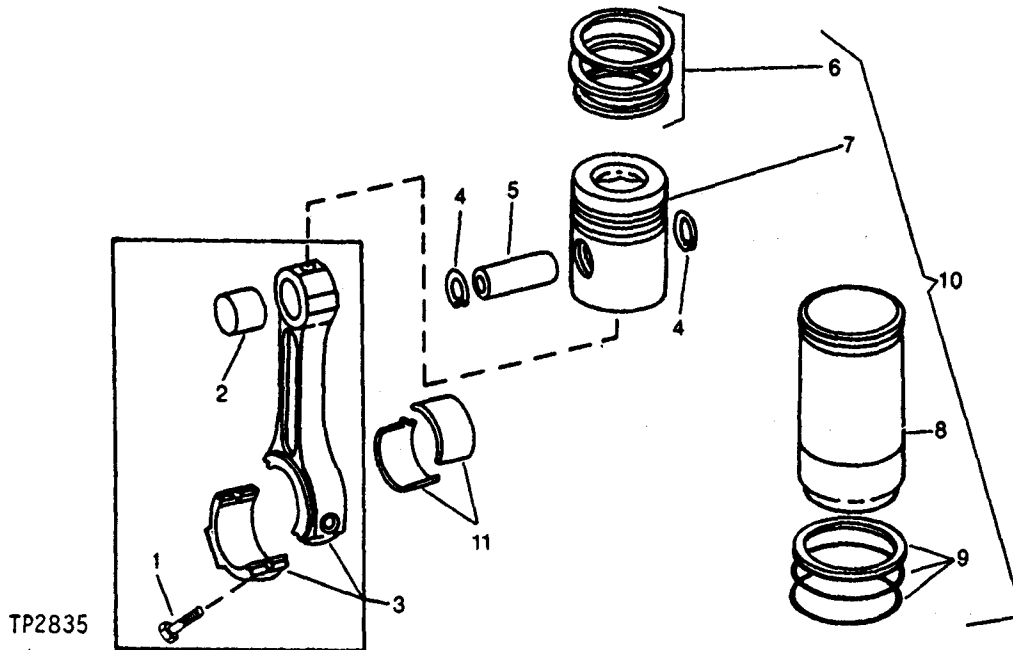
B09

ENGINE 4

CONNECTING ROD, PISTON, RINGS AND LINER CODE 4801 CONNECTING ROD (WITHOUT TURBOCHARGER) (6059)

CONNECTING RODS AND PISTONS 0403

TP2835



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R80033	SCREW	12	X	
2	R55647	BUSHING	6	X	
3	RE21076	CONNECTING ROD	4	X	(MARKED R80034)
4	M41029	SNAP RING	12	X	
5	R51731	PISTON PIN	6	X	
6	RE15674	PISTON RING KIT	6	X	(SET OF THREE RINGS)
7	RE19282	PISTON	6	X	
8	R90059	CYLINDER LINER	6	X	(SUB FOR R51726)
9	AR65507	O-RING KIT	6	X	CYLINDER LINER
10	RE30250	KIT	AR	X	(SUB FOR RE24458)
11	AT21138	BEARING	6	X	(SET OF (2) T20011) STANDARD
	AT21122	BEARING	AR	X	0.05 MM (.002") UNDERSIZE (SET OF (2) T23566)
	AT21124	BEARING	AR	X	0.25 MM (.010") UNDERSIZE (SET OF (2) T23568)
	AT21126	BEARING	AR	X	0.51 MM (.020") UNDERSIZE (SET OF (2) T23570)
	AT21128	BEARING	AR	X	0.76 MM (.030") UNDERSIZE (SET OF (2) T23572)
..	AR54749	LUBRICANT	1	X	(USED FOR CYLINDER LINER PACKING INSTALLATION)

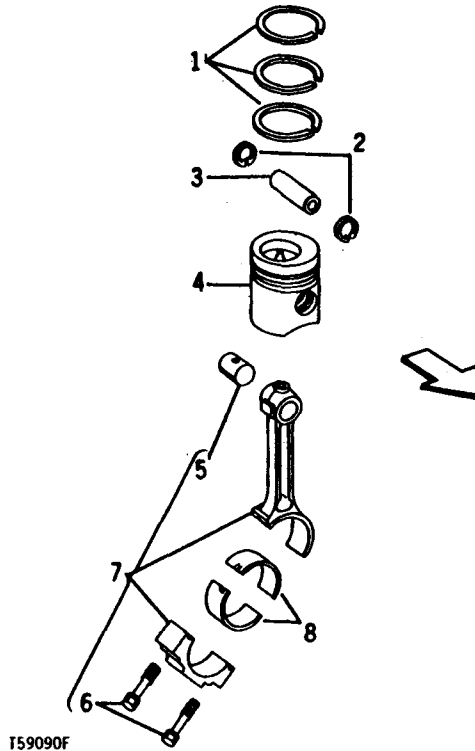
B10

ENGINE 4

PISTON, PISTON RINGS AND CONNECTING ROD CODE 4801 PISTONS (6068)

CONNECTING RODS AND PISTONS 0403

T59090



T59090F

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	RE15674	PISTON RING KIT	6	6 6	(SET OF THREE RINGS)
2	R54114	SNAP RING	12	0 0	
3	R56188	PISTON PIN	6	5 6	
4	RE28920	PISTON	6	9 8	
5	R57451	BUSHING	6		
6	R74195	SCREW	12		
7	AR66400	CONNECTING ROD	6		
8	AR97517	BEARING	6		STANDARD, (SET OF (2) R72745)
	AR97652	BEARING	6		.05 MM (.002") UNDERSIZE (SET OF (2) R73595)
	AR97653	BEARING	6		.25 MM (.010") UNDERSIZE (SET OF (2) R73596)
	AR97654	BEARING	6		.51 MM (.020") UNDERSIZE (SET OF (2) R73597)
	AR97655	BEARING	6		.76 MM (.030") UNDERSIZE (SET OF (2) R73598)

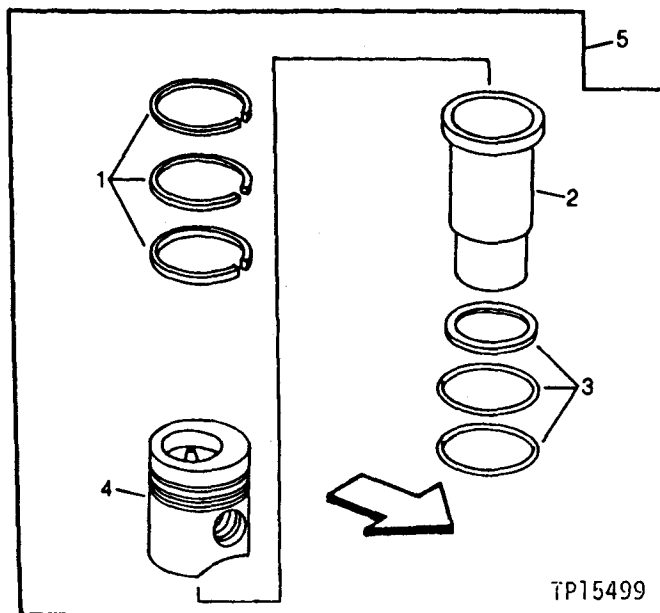
B11

ENGINE 4

CONNECTING RODS AND PISTONS 0403

CYLINDER LINER KIT (6068)

TP15499



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	RE15674	PISTON RING KIT	1	6 6	X
2	R80500	CYLINDER LINER	1	0 0	X
3	AR65507	O-RING KIT	1	5 6	X CYLINDER LINER O-RING
4	RE28920	PISTON	1	9 8	X
5	RE28977	KIT	1		X

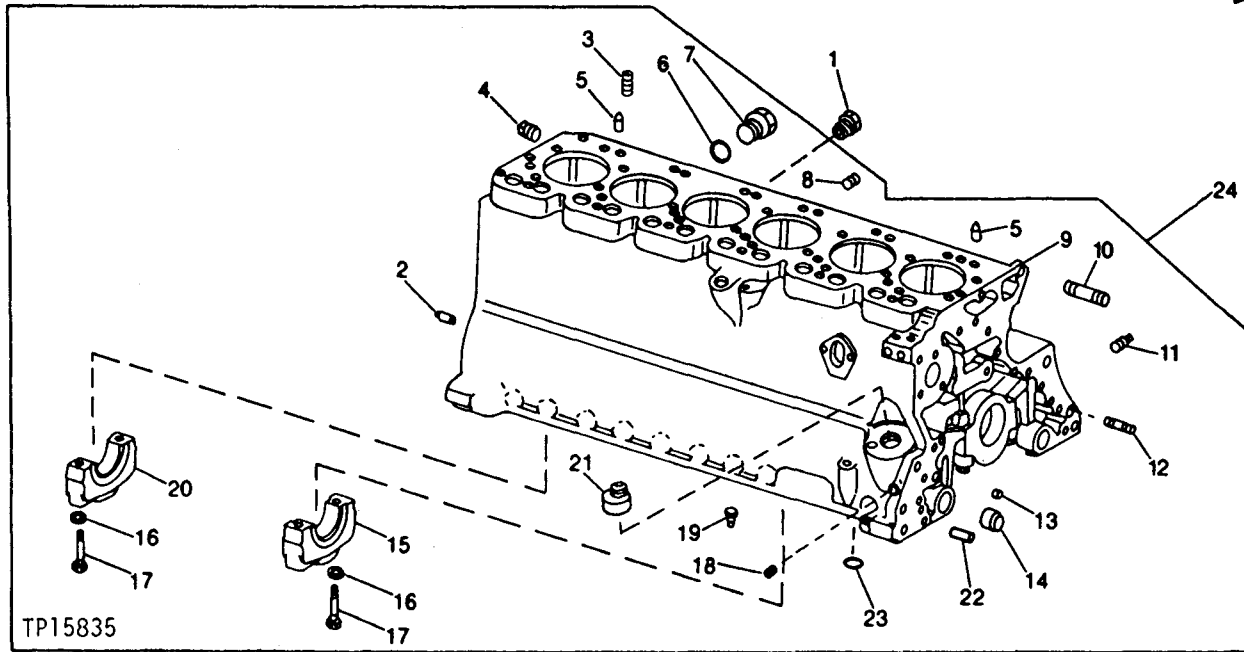
B12

ENGINE 4

CYLINDER BLOCK 0404

CYLINDER BLOCK
CODE 4601 CYLINDER BLOCK
(6059)

TP15835



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R55233	PIPE PLUG	1	6 6	X
2	R48685	DOWEL PIN	2	0 0	X
3	15H624	PIPE PLUG	1	5 6	X 1/2"
4	15H562	PIPE PLUG	1	9 8	X 1"
5	R48685	DOWEL PIN	1		X
6	U13639	O-RING	1		X (WITHOUT COOLANT HEATER)
7	R39741	DRAIN PLUG	1		X (WITHOUT COOLANT HEATER)
8	15H275	PIPE PLUG	1		X 1/4"
9		CYLINDER BLOCK	1		X (SUB RE25519)
10	T33279	STUD	2		X
11	R104592	PIPE PLUG	7		X
12	T25701	STUD	1		X
13	T18891	CAP	1		X
14	R26493	BUSHING	1		X OIL PRESSURE RELIEF VALVE
15	R65215	BEARING CAP	6		X MAIN BEARING
16	T20168	WASHER	14		X
17	T23474	CAP SCREW	14		X
18	15H255	PIPE PLUG	1		X 3/8"
19	R54802	ORIFICE	6		X
20	R79089	CAP	1		X MAIN BEARING
21	T23435	THREADED NIPPLE	1		X
22	R26650	DOWEL PIN	2		X
23	R75892	O-RING	1		X (OIL PUMP TUBE)
24	RE25519	CYLINDER BLOCK	1		X (MARKED R81948 OR R111081)

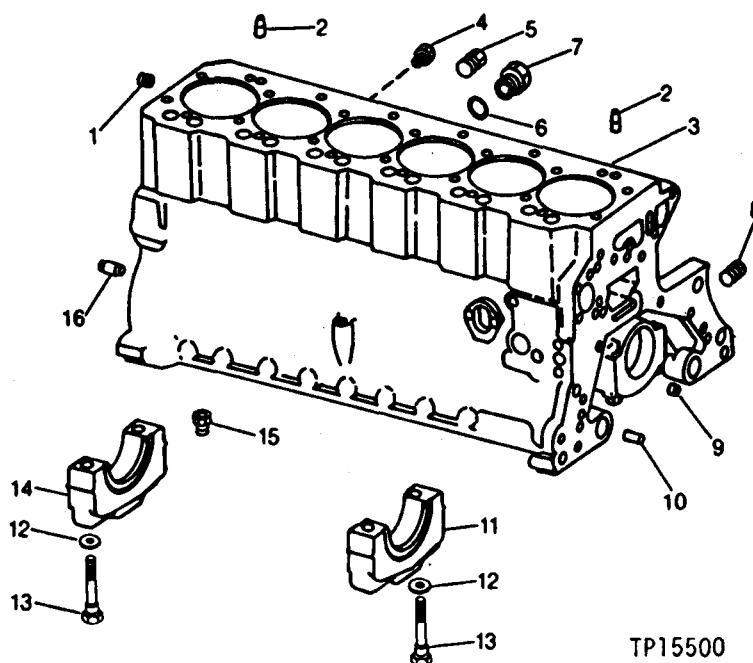
B13

ENGINE 4

CYLINDER BLOCK 0404

CYLINDER BLOCK AND MAIN BEARING CAPS CODE 4601 CYLINDER BLOCK (6068)

TP15500



TP15500

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	15H652	PIPE BUSHING	1	6 6 0 0 5 6 9 8	X 3/4"
2	R48685	DOWEL PIN	2		X
3	RE31656	CYLINDER BLOCK	1		X (MARKED R90171) WITH MAIN BEARING CAPS, DOWEL PINS, PIPE PLUGS, STUDS, CAPSCREWS AND WASHERS
4	R55233	PIPE PLUG	1		X
5	15H624	PIPE PLUG	1		X 1/2"
6	U13639	O-RING	1		X (WITHOUT ENGINE COOLANT HEATER)
7	R39741	DRAIN PLUG	1		X (WITHOUT ENGINE COOLANT HEATER)
8	R104592	PIPE PLUG	7		X (SUB FOR 15H558, THIS APPLICATION)
9	T18891	CAP	2		X
10	R26650	DOWEL PIN	2		X
11	R65215	BEARING CAP	6		X MAIN BEARING, FRONT AND CENTER
12	T20168	WASHER	14		X
13	T23474	CAP SCREW	14		X
14	R79089	CAP	1		X MAIN BEARING, REAR
15	R54802	ORIFICE	6		X
16	R48685	DOWEL PIN	2		X

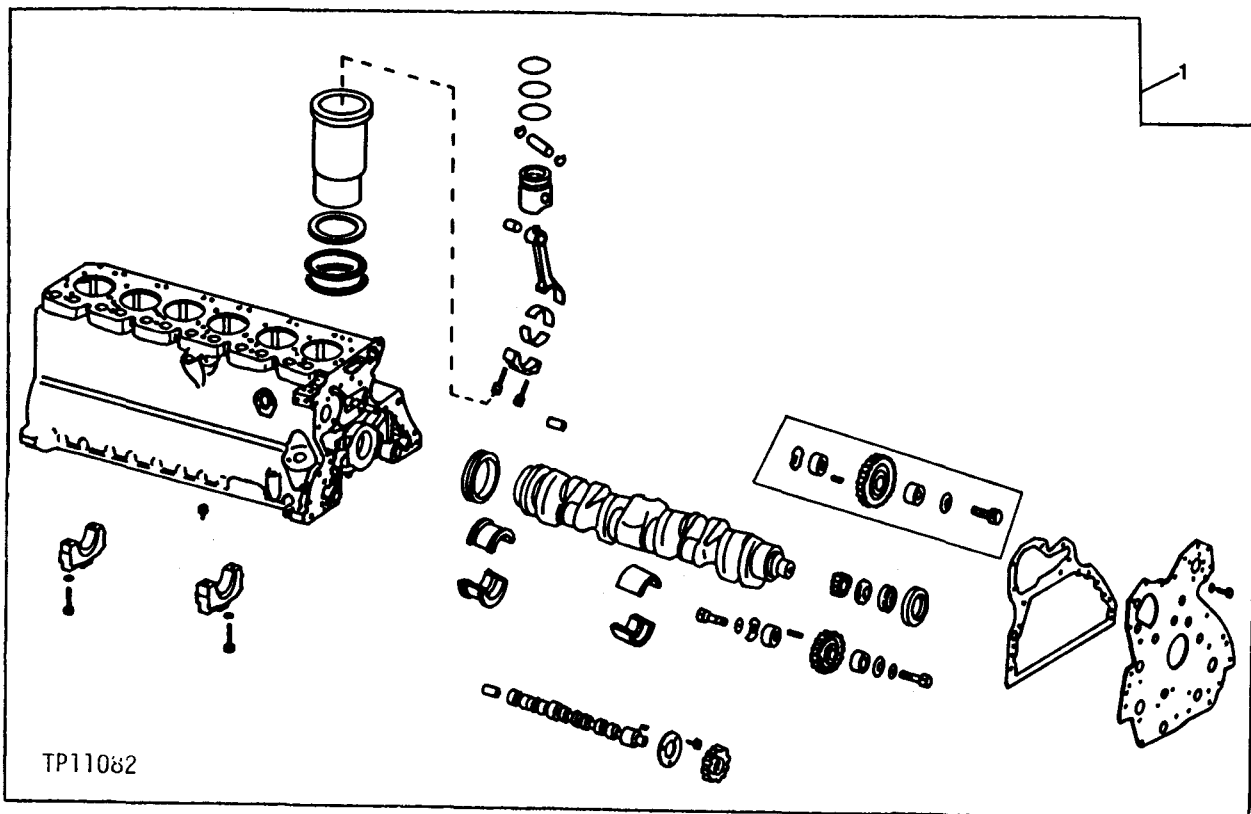
B14

ENGINE 4

CYLINDER BLOCK 0404

ENGINE SHORT BLOCK

TP11082



B15

ENGINE 4

CYLINDER BLOCK 0404

ENGINE SHORT BLOCK

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	RE25525	SHORT BLOCK ASSEMBLY	1	X	(ALSO ORDER AR67942 AND RE38858)
	RE31657	SHORT BLOCK ASSEMBLY	1	X	(ALSO ORDER AR67942 AND RE38858)

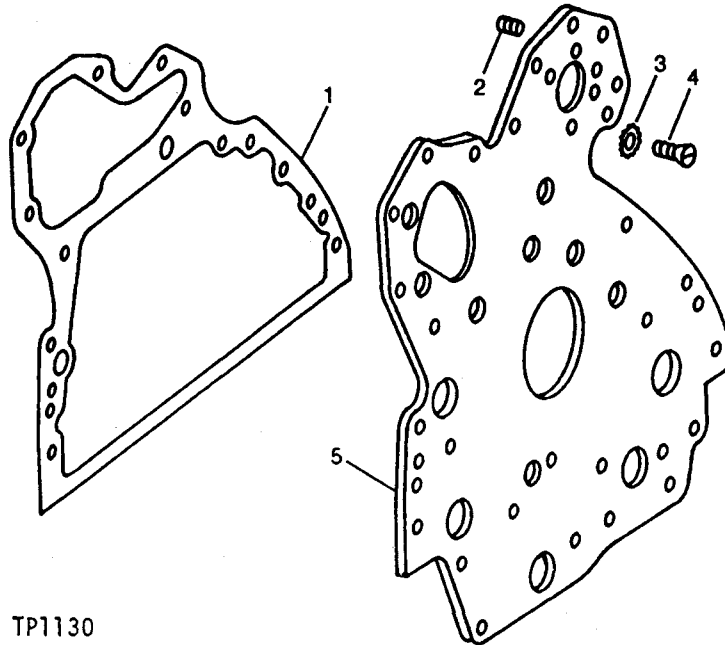
B16

ENGINE 4

CYLINDER BLOCK 0404

ENGINE FRONT PLATE
CODE 3601 FRONT PLATE
CODE 3602 FRONT PLATE

TP1130

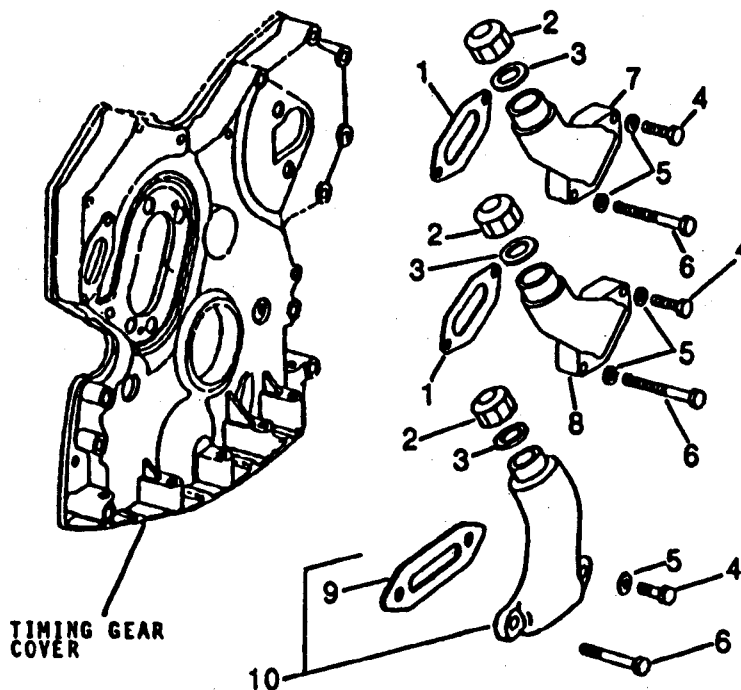


KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R90648	GASKET	1	6 6	
2	AT21191	SET SCREW	AR	0 0	
	AT22919	SET SCREW	2	5 6	
3	12H324	WASHER	5	9 8	
4	T20166	SCREW	5		3/8", EXTERNAL TOOTH
5	RE16149	PLATE	1		(ALSO ORDER (2) AT22919 AND (8) AT21191)

ENGINE OIL FILLER INLET
 CODE 1201 OIL FILLER INLET, MEDIUM LENGTH
 CODE 1202 OIL FILLER INLET, LONG LENGTH
 CODE 1203 OIL FILLER INLET, SHORT LENGTH

TP29568

TP29568



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97352	GASKET	1	6 6	X X (CODE 1201 AND 1203)
2	T20294	CAP	1	0 0	X X (CODE 1201 AND 1203)
	R90788	PLUG	1	5 6	X X (CODE 1202)
3	T20328	GASKET	1	9 8	X X
4	19H2665	CAP SCREW	1		X X 3/8" X 1-5/8"
5	24H1304	WASHER	AR		X X 13/32" X 23/32" X 0.120"
6	19H2128	CAP SCREW	1		X X 3/8" X 3"
7	T23614	FILLER NECK	1		X X (CODE 1201)
8	T20335	FILLER NECK	1		X X (CODE 1203)
9	R87259	GASKET	1		X X (CODE 1202)
10	RE44199	FILLER NECK	1		X X (CODE 1202) (SUB FOR RE25648)

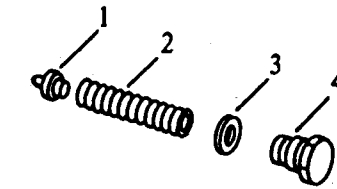
B18

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PRESSURE REGULATING VALVE

TP28438



TP28438

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R83169	VALVE	1	6 6	
2	T27658	SPRING	1	0 0	
3	A4827R	WASHER	1	5 6	
4	T27657	FITTING PLUG	1	9 8	

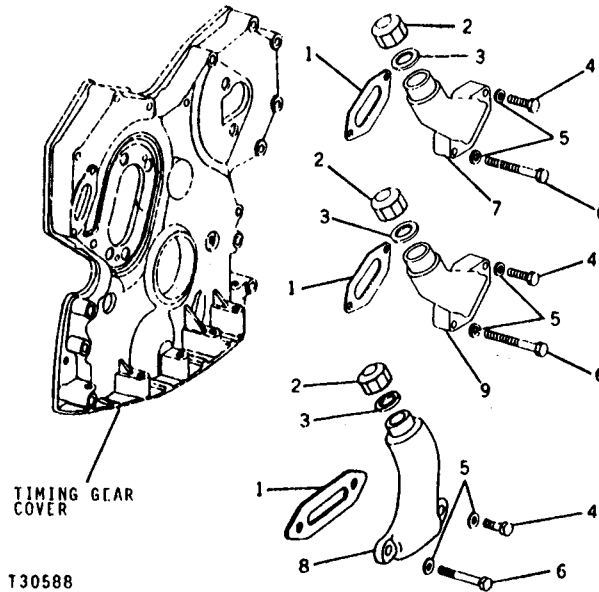
B19

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL INLET
 CODE 1201 OIL FILLER INLET, MEDIUM LENGTH
 CODE 1202 OIL FILLER INLET, LONG LENGTH
 CODE 1203 OIL FILLER INLET, SHORT LENGTH

T30588



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R97352	GASKET	1		X X	
2	T20294	CAP	1		X X	CODE 1201 AND 1203
	R90788	PLUG	1		X X	CODE 1202
3	T20328	GASKET	1		X X	
4	19H2665	CAP SCREW	1		X X	3/8" X 1-5/8"
5	24H1304	WASHER	2		X X	13/32" X 23/32" X 0.120"
6	19H2128	CAP SCREW	1		X X	3/8" X 3", (1201 AND 1203)
7	T23614	FILLER NECK	1		X X	CODE 1201
8	RE44199	FILLER NECK	1		X X	CODE 1202, (SUB FOR RE25648)
9	T20335	FILLER NECK	1		X X	CODE 1203

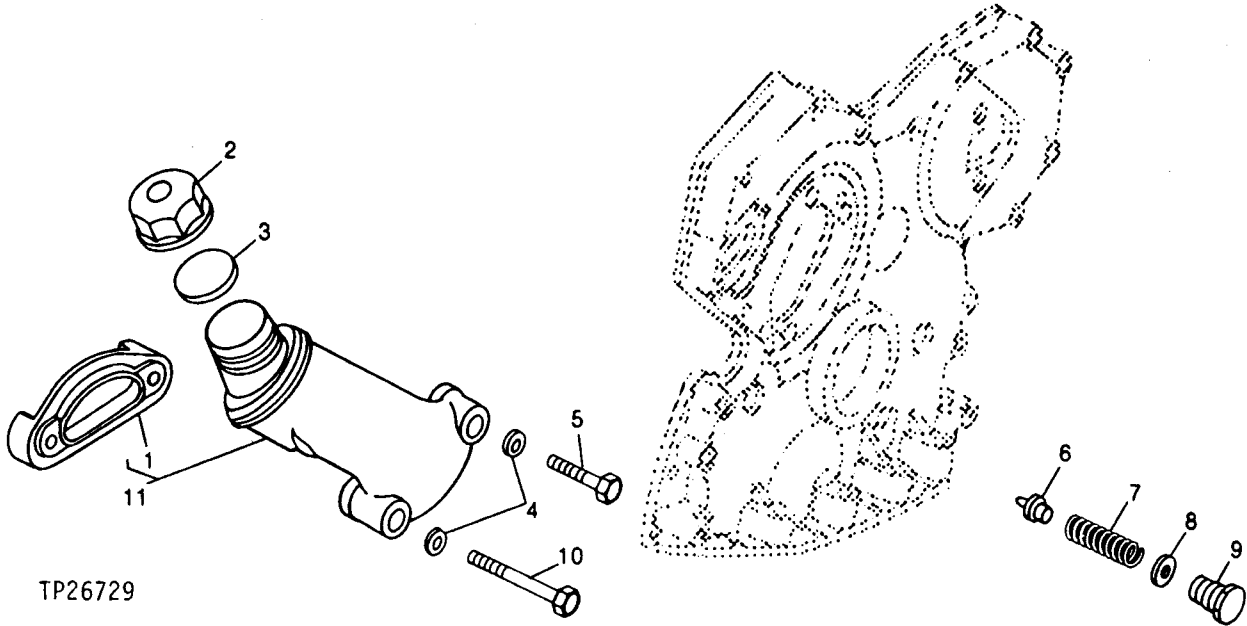
B20

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL FILLER INLET AND PRESSURE REGULATING VALVE CODE 1204 OIL FILLER INLET (6059)

TP26729

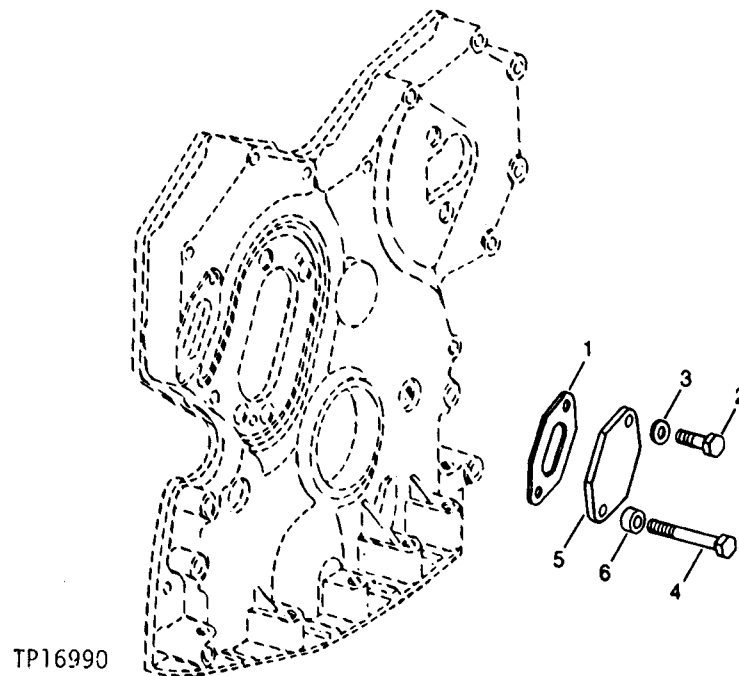


TP26729

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R87259	GASKET	1	6 6	
2	RE41740	FILLER CAP	1	0 0	
3	R80135	GASKET	1	5 6	
4	24H1304	WASHER	2	9 8	13/32" X 23/32" X 0.120"
5	19H2665	CAP SCREW	1		3/8" X 1-5/8"
6	R83169	VALVE	1		
7	T27658	SPRING	1		
8	A4827R	WASHER	1		
9	T27657	FITTING PLUG	1		
10	19H2458	CAP SCREW	1		HS, SAE 8, 3/8" X 3"
11	RE26917	FILLER NECK	1		

ENGINE OIL FILLER INLET COVER
CODE 1299 OIL FILLER COVER

TP16990

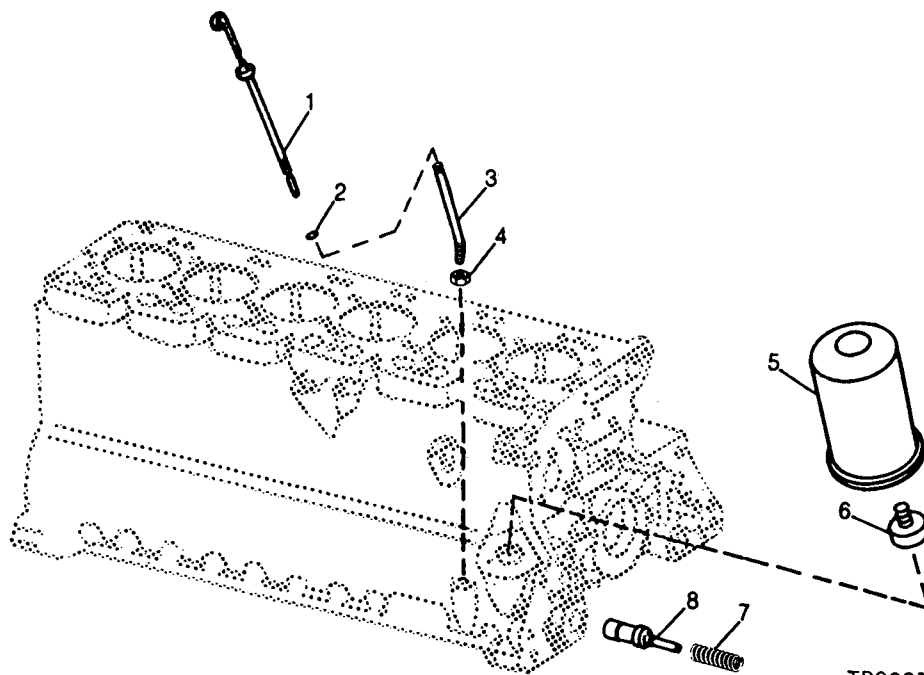


TP16990

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97352	GASKET	1	6 6	
2	19H2284	CAP SCREW	1	0 0	
3	24H1304	WASHER	1	5 6	3/8" X 7/8"
4	19H2128	CAP SCREW	1	9 8	13/32" X 23/32" X 0.120"
5	T23260	COVER	1		3/8" X 3"
6	28H2547	SPACER	1		

ENGINE OIL DIPSTICK, OIL FILTER AND BYPASS VALVE
 CODE 4001 ENGINE OIL DIPSTICK
 CODE 4002 ENGINE OIL DIPSTICK
 CODE 4005 ENGINE OIL DIPSTICK

TP20212



TP20212

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	AT21535	DIPSTICK	1	6 6 0 0 5 6 9 8	
2	R10093	O-RING	1		
3	R86819	THREADED NIPPLE	1		
4	14H826	NUT	1		1/2"
5	T19044	OIL FILTER	1		
6	T23435	THREADED NIPPLE	1		
7	R46625	SPRING	1		
8	R73139	VALVE	1		

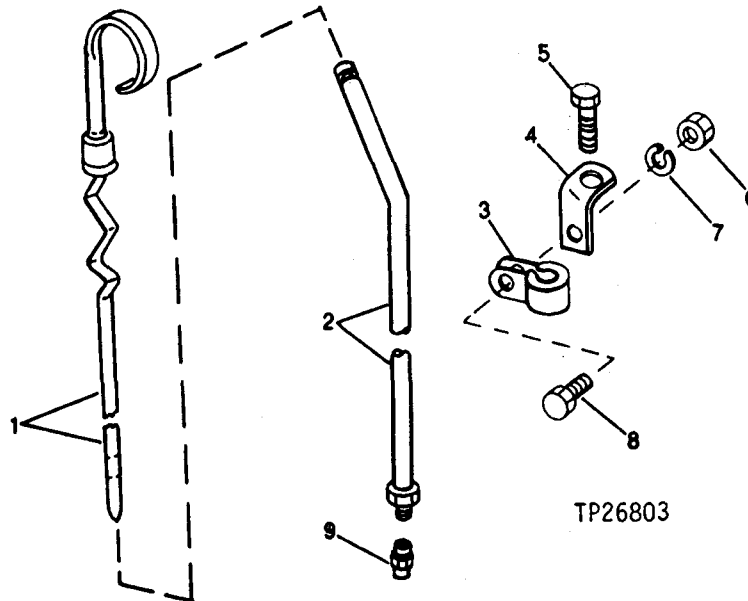
B23

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL DIPSTICK
CODE 4002 DIPSTICK
CODE 4004 DIPSTICK
(4039)

TP26803



TP26803

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	RE46787	DIPSTICK	1		X	(CODE 4004)
2	RE30695	DIPSTICK TUBE	1		X	
3	T29299	CLAMP	1		X	
4	R60357	ANGLE	1		X	
5	19H1895	CAP SCREW	1		X	1/2" X 3/4"
6	14H812	NUT	1		X	3/8"
7	12H304	LOCK WASHER	1		X	3/8"
8	19H2284	CAP SCREW	1		X	3/8" X 7/8"
9	R77016	ADAPTER	1		X	

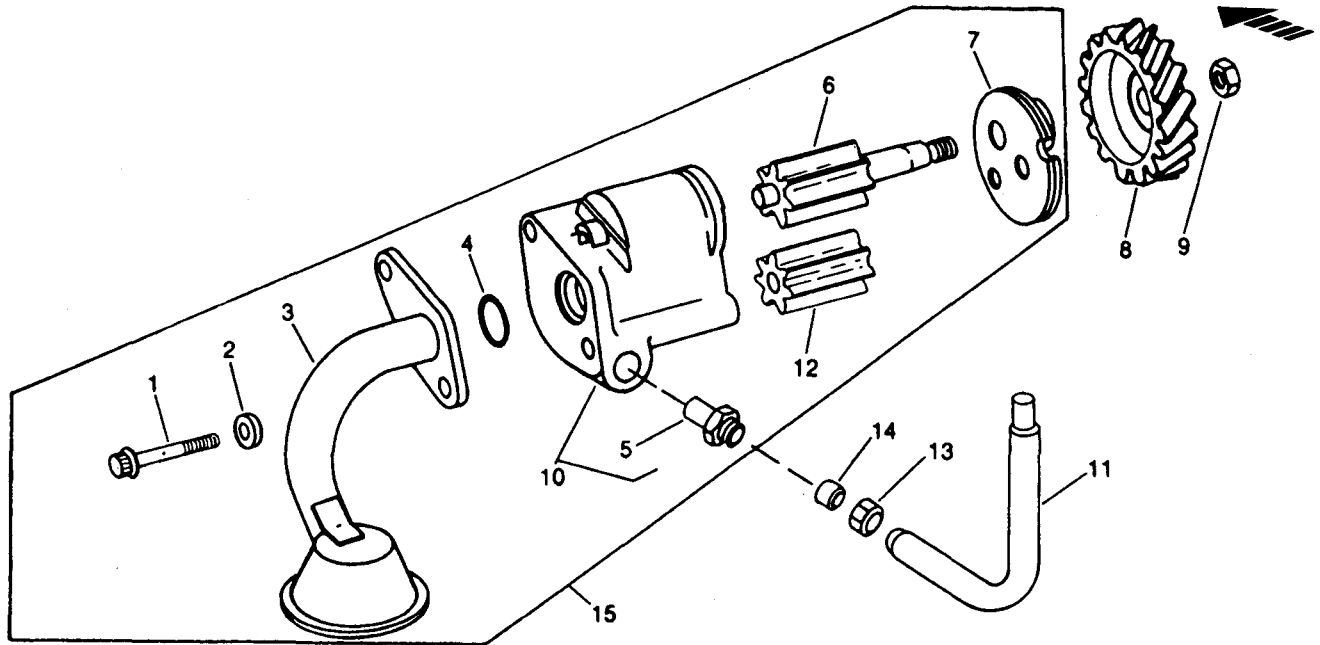
B24

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PUMP CODE 5001 OIL PUMP (WITH TURBOCHARGER) (6059)

TP21780



TP21780

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 0 5 6 9 8	
1	R74552	CAP SCREW	2	X	
2	R74553	WASHER	2	X	
3	AR66402	OIL PUMP INTAKE	1	X	
4	R61871	O-RING	1	X	
5	R79560	ADAPTER	1	X	
6	AR85788	SHAFT	1	X	DRIVE, WITH GEAR (7 TEETH)
7	R54632	COVER	1	X	
8	T20298	GEAR	1	X	(33 TEETH)
9	14H826	NUT	1	X	1/2"
10	RE15490	HOUSING	1	X	(MARKED R54629)
11	R79564	OIL TUBE	1	X	
12	R66177	GEAR	1	X	(7 TEETH)
13	R79562	FITTING	1	X	
14	R79563	SLEEVE	1	X	
15	AR79465	OIL PUMP	1	X	

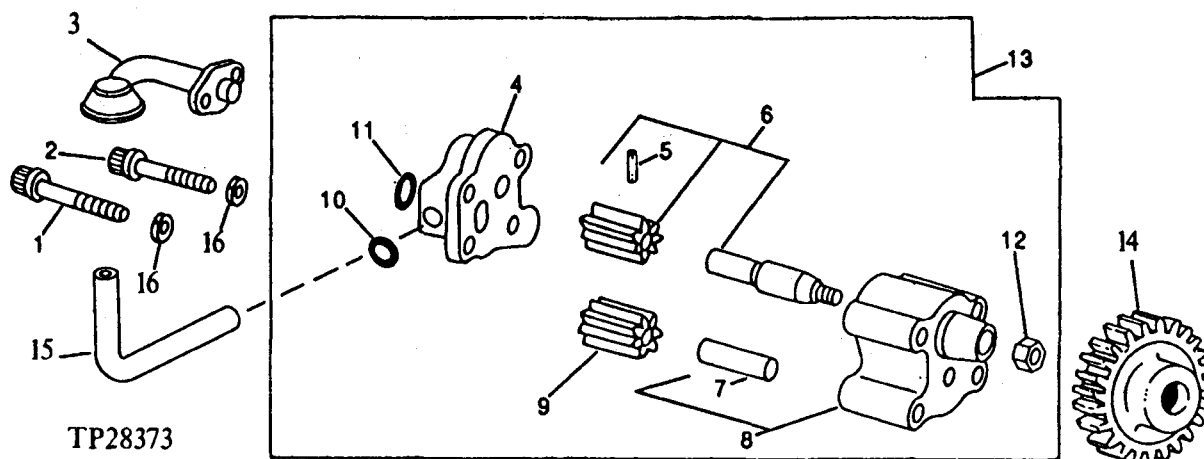
B25

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PUMP CODE 5001 OIL PUMP CODE 5002 OIL PUMP (WITHOUT TURBOCHARGER) (6059)

TP28373



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R74552	CAP SCREW	2		X	
2	R57059	CAP SCREW	2		X	
3	AR59621	OIL PUMP INTAKE	1		X	
4		COVER	1		X	(SUB RE35685)
5	M3853T	GROOVE PIN	1		X	
6	AR62978	PINION	1		X	
7	T20091	DOWEL PIN	1		X	
8		HOUSING	1		X	(MARKED R54615) (SUB RE35685)
9	R54614	GEAR	1		X	(7 TEETH)
10	R74354	O-RING	1		X	
11	R61871	O-RING	1		X	
12	14H826	NUT	1		X	1/2"
13	RE35685	KIT	1		X	
14	T20298	GEAR	1		X	
15	T20050	OIL TUBE	1		X	
16	R74553	WASHER	2		X	

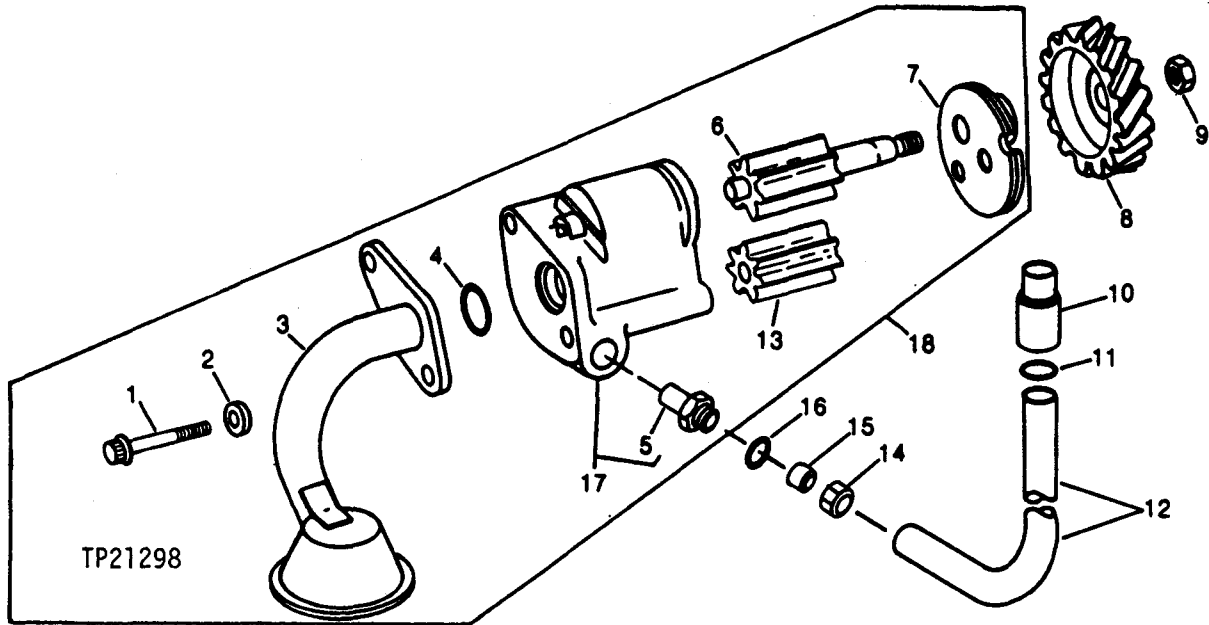
C01

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PUMP CODE 5001 ENGINE OIL PUMP (6068)

TP21298



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R74552	CAP SCREW	2	6 6	X
2	R74553	WASHER	2	0 0	X
3	AR66402	OIL PUMP INTAKE	1	5 6	X
4	R61871	O-RING	1	9 8	X
5	R79560	ADAPTER	1		X
6	AR85788	SHAFT	1		X (7 TEETH) (ALSO ORDER R66177)
7	R54632	COVER	1		X
8	T20298	GEAR	1		X (33 TEETH)
9	14H826	NUT	1		X 1/2"
10	R54815	FITTING	1		X OIL PUMP TUBE
11	R80632	O-RING	AR		X (SUB FOR R77052)
12	R79561	OIL TUBE	1		X
13	R66177	GEAR	1		X (7 TEETH) (ALSO ORDER AR85788)
14	R79562	FITTING	1		X
15	R79563	SLEEVE	1		X
16	R80632	O-RING	1		X (SUB FOR R77052)
17	RE15490	HOUSING	1		X (MARKED R54629)
18	AR79463	OIL PUMP	1		X

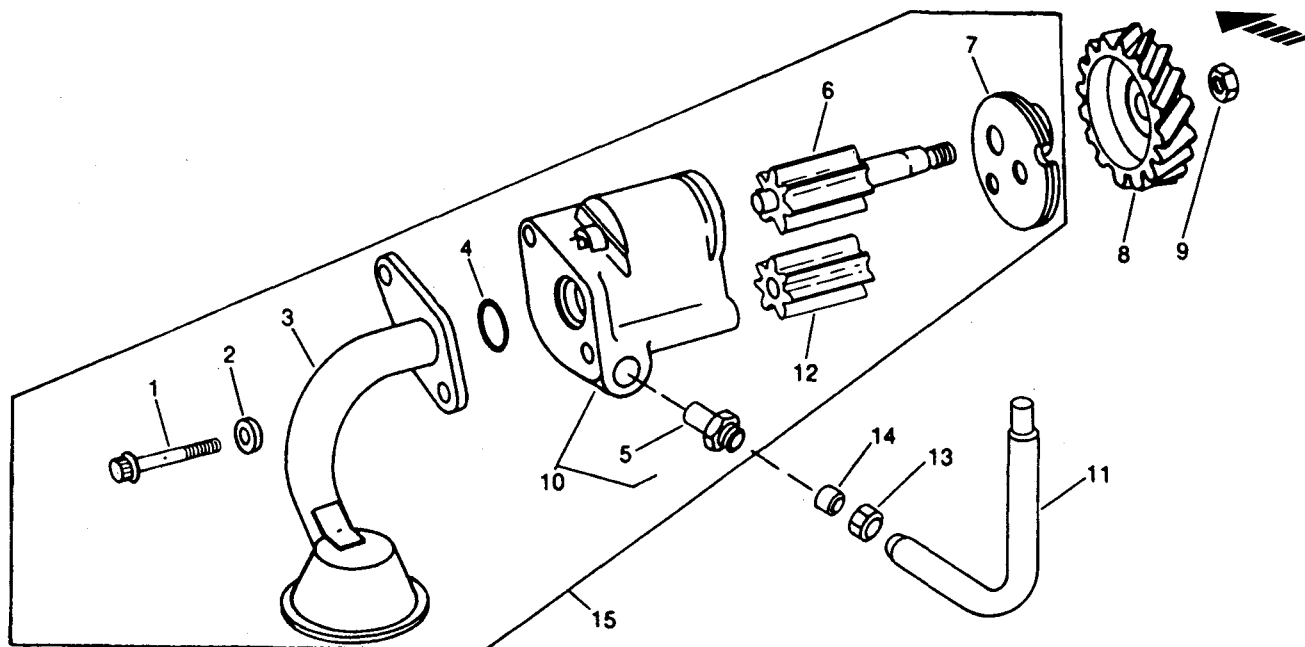
C02

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PUMP CODE 5003 OIL PUMP (WITHOUT TURBOCHARGER) (6059)

TP21780



TP21780

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R74552	CAP SCREW	2		X	
2	R74553	WASHER	2		X	
3	AR66402	OIL PUMP INTAKE	1		X	
4	R61871	O-RING	1		X	
5	R79560	ADAPTER	1		X	
6	AR85788	SHAFT	1		X	DRIVE, WITH GEAR (7 TEETH)
7	R54632	COVER	1		X	
8	T20298	GEAR	1		X	(33 TEETH)
9	14H826	NUT	1		X	1/2"
10	RE15490	HOUSING	1		X	(MARKED R54629)
11	R79564	OIL TUBE	1		X	
12	R66177	GEAR	1		X	(7 TEETH)
13	R79562	FITTING	1		X	
14	R79563	SLEEVE	1		X	
15	AR79465	OIL PUMP	1		X	

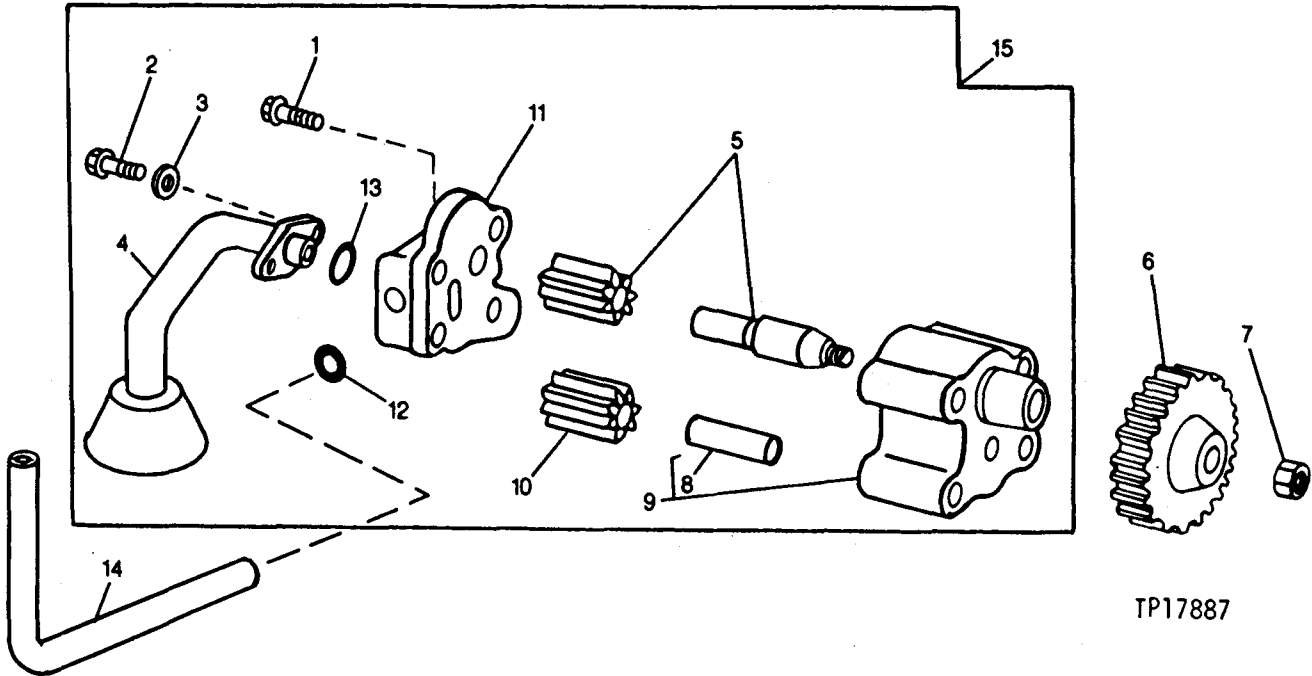
C03

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PUMP CODE 5005 OIL PUMP (WITH TURBOCHARGER) (6059)

TP17887



TP17887

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R57059	CAP SCREW	2		X	
2	R74552	CAP SCREW	2		X	
3	R74553	WASHER	2		X	
4	RE26719	OIL PUMP INTAKE	1		X	
5	AR62978	PINION	1		X	
6	T20298	GEAR	1		X	(33 TEETH)
7	14H826	NUT	1		X	1/2"
8	T20091	DOWEL PIN	1		X	
9		HOUSING	1		X	(MARKED R54615) (SUB RE30068)
10	R54614	GEAR	1		X	(7 TEETH)
11	R53382	COVER	1		X	
12	R74354	O-RING	1		X	
13	R61871	O-RING	1		X	
14	T20050	OIL TUBE	1		X	
15	RE30068	PUMP	1		X	

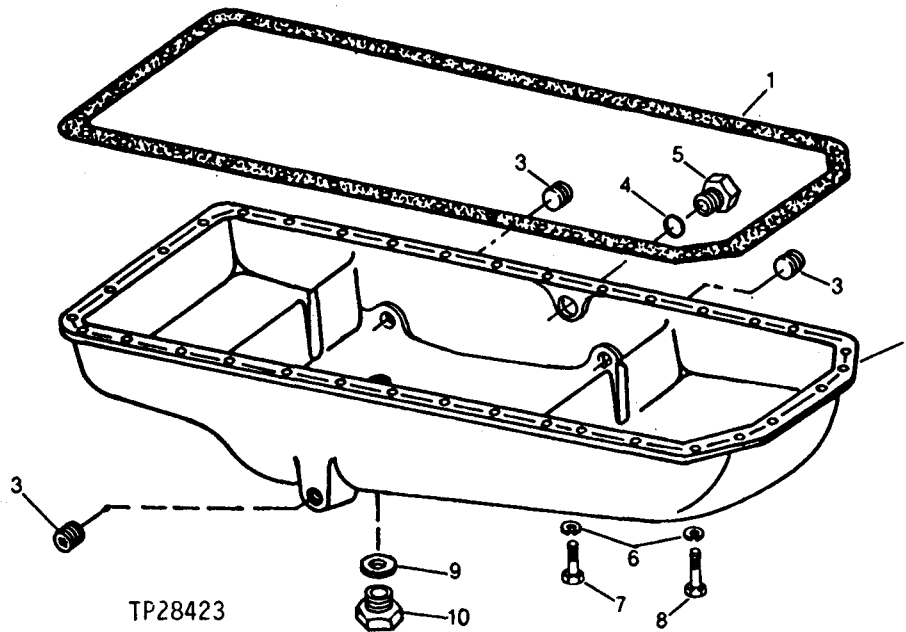
C04

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PAN
OIL PAN, SIDE AND BOTTOM DRAIN
CODE 1905
CODE 1935 OIL PAN, SIDE AND BOTTOM DRAIN

TP28423



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97344	GASKET	1	6 6	
2	R106045	OIL PAN	1	0 0	
3	15H624	PIPE PLUG	3	5 6	
4	R47151	O-RING	1	9 8	
5	R27474	DRAIN PLUG	1		1/2"
6	12H304	LOCK WASHER	8		3/8"
7	19H3411	BOLT	28		3/8" X 1-1/8", (FLANGED HEAD)
	19H1801	CAP SCREW	2		3/8" X 2"
8	19H1800	CAP SCREW	4		3/8" X 1-1/2"
	19H1732	CAP SCREW	2		3/8" X 1-1/4"
9	T13213	WASHER	1		
10	M1746T	DRAIN PLUG	1		

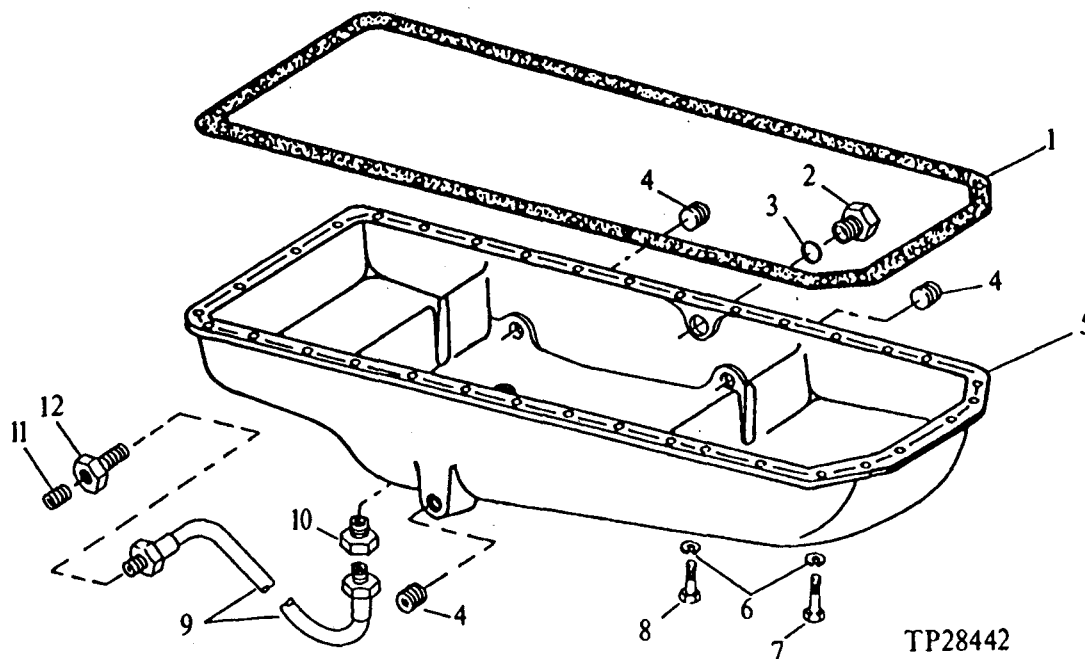
C05

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PAN CODE 1909 ENGINE OIL PAN (6068)

TP28442



TP28442

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97344	GASKET	1	6 6	X OIL PAN
2	R27474	DRAIN PLUG	1	0 0	X
3	R47151	O-RING	1	5 6	X
4	15H624	PIPE PLUG	3	9 8	X 1/2"
5	R106045	OIL PAN	1		X
6	12H304	LOCK WASHER	8		X 3/8"
7	19H1800	CAP SCREW	4		X 3/8" X 1-1/2"
	19H1732	CAP SCREW	2		X 3/8" X 1-1/4"
8	19H3411	BOLT	28		X 3/8" X 1-1/8"
	19H1801	CAP SCREW	2		X 3/8" X 2"
9	AU10862	HOSE	1		X 1/2" X 572 MM (22-1/2") X 1/2"
10	15H515	PIPE BUSHING	1		X 1/2"
11	15H624	PIPE PLUG	1		X 1/2"
12	R56407	FITTING	1		X

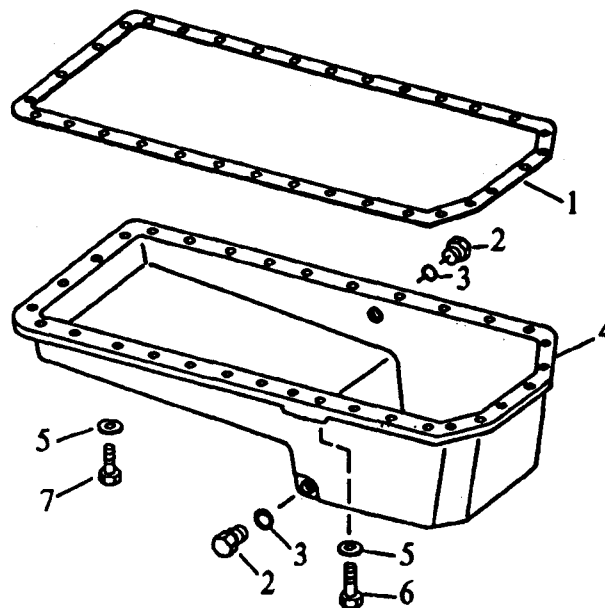
C06

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PAN CODE 1916 OIL PAN, ALUMINUM

TP29549



TP29549

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97344	GASKET	1	6 6	X X
2	R27474	DRAIN PLUG	2	0 0	X X
3	R47151	O-RING	2	5 6	X X
4	R86923	OIL PAN	1	9 8	X X
5	R69536	WASHER	36		X X
6	19H3065	CAP SCREW	12		X X 3/8" X 2"
7	19H2665	CAP SCREW	24		X X 3/8" X 1-5/8"

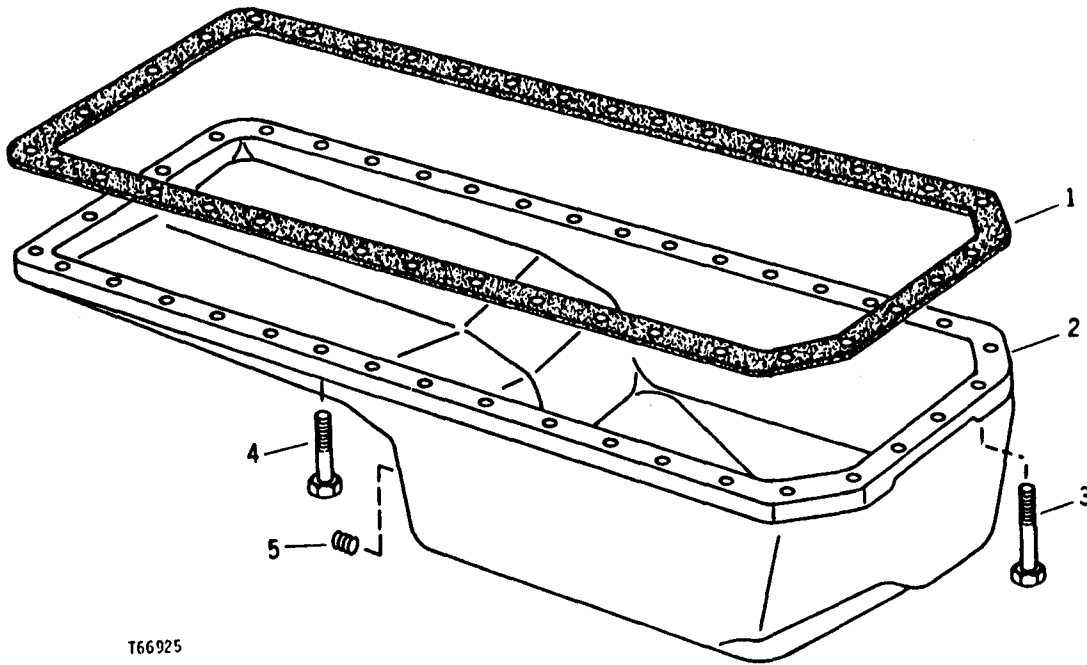
C07

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PAN CODE 1918 OIL PAN REAR DRAIN

T66925



T66925

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97344	GASKET	1	X	OIL PAN
2	T23220	OIL PAN	1	X	
3	19H1800	CAP SCREW	4	X	3/8" X 1-1/2"
4	19H3411	BOLT	32	X	3/8" X 1-1/8"
5	15H277	PIPE PLUG	1	X	1/2"

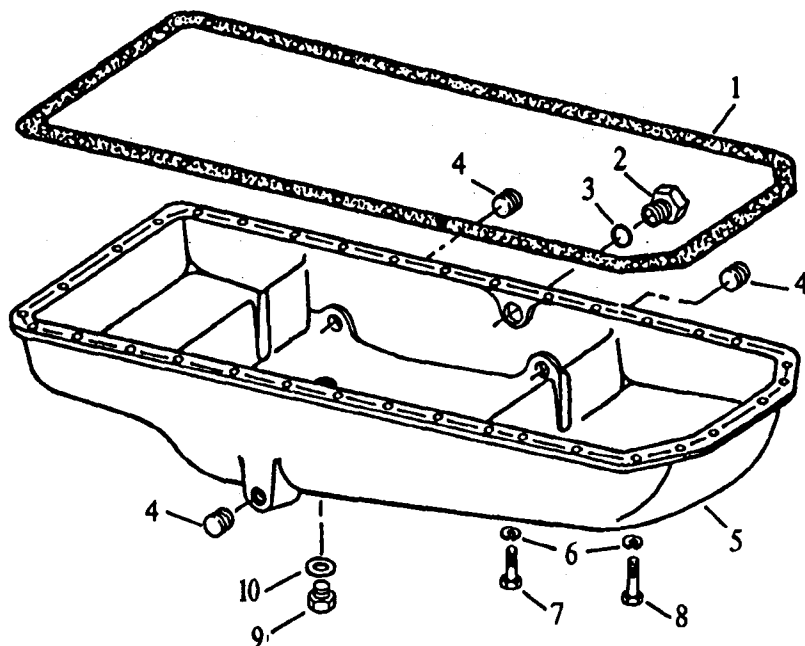
C08

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL PAN CODE 1935

TP40568

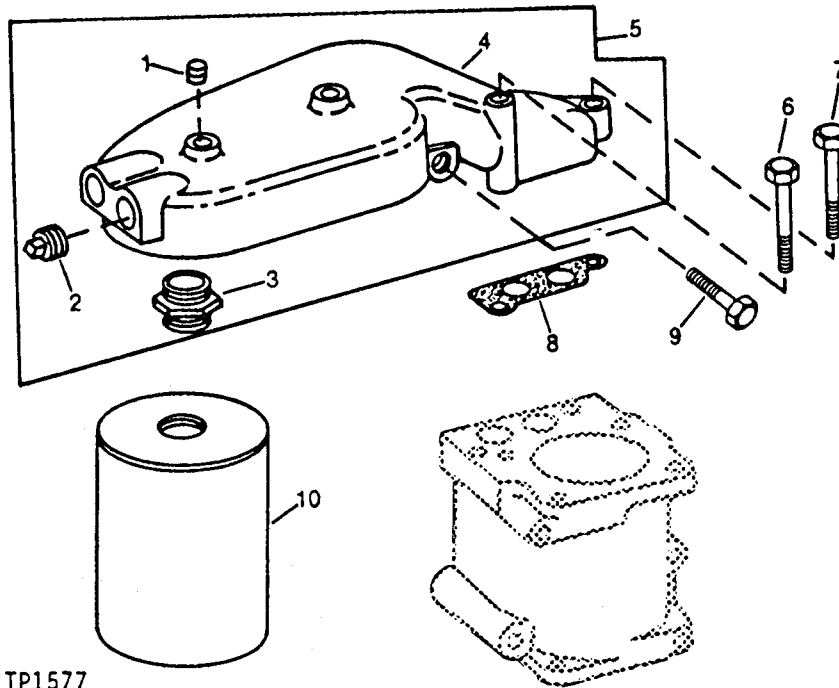


TP40568

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R97344	GASKET	1	6 6	OIL PAN
2	R27474	DRAIN PLUG	1	0 0	
3	R47151	O-RING	1	5 6	
4	15H624	PIPE PLUG	3	9 8	
5	R106045	OIL PAN	1		
6	12H304	LOCK WASHER	8		
7	19H3411	BOLT	30		
8	19H1800	CAP SCREW	6		
9	M1746T	DRAIN PLUG	1		
10	T13213	WASHER	1		

OIL FILTERS
CODE 5912 OIL COOLER
(6068)

TP1577



TP1577

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	15H638	PIPE PLUG	2	6 6	X 1/8"
2	15H585	PIPE PLUG	1	0 0	X
3	R54823	ADAPTER	2	5 6	X
4		HOUSING	1	9 8	X
5	AR66403	HOUSING	1		X (MARKED R56189)
6	19H1944	CAP SCREW	1		X 3/8" X 2-3/4"
7	19H1800	CAP SCREW	1		X 3/8" X 1-1/2"
8	R98488	GASKET	1		X
9	19H2023	CAP SCREW	1		X 3/8" X 3-1/4"
10	T19044	OIL FILTER	2		X

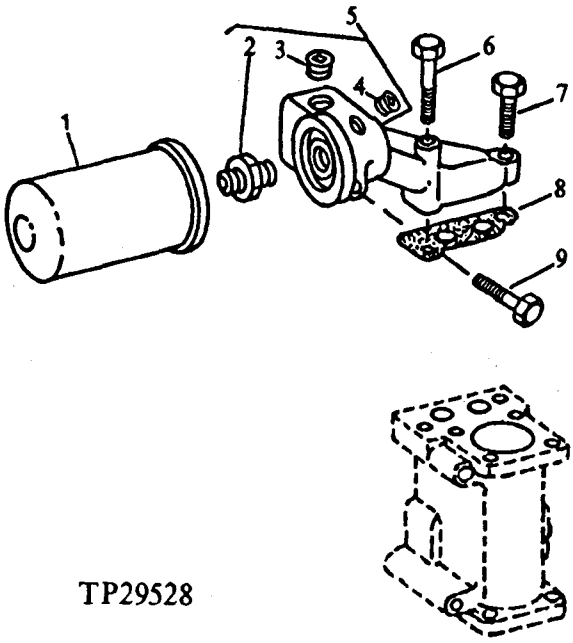
C10

ENGINE 4

OILING SYSTEM 0407

ENGINE OIL FILTER AND OIL FILTER ADAPTER
CODE 5901 OIL FILTER
(6068)

TP29528



TP29528

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	T19044	OIL FILTER	1		X
2	R54823	ADAPTER	1		X
3	15H563	PIPE PLUG	1		X 3/8"
4	15H275	PIPE PLUG	1		X 1/4"
5	RE31299	ADAPTER	1		X (MARKED R91597)
6	19H2732	CAP SCREW	1		X 3/8" X 2-3/4"
7	19H1800	CAP SCREW	1		X 3/8" X 1-1/2"
8	R98488	GASKET	1		X
9	19H1925	CAP SCREW	1		X 3/8" X 4-1/4"

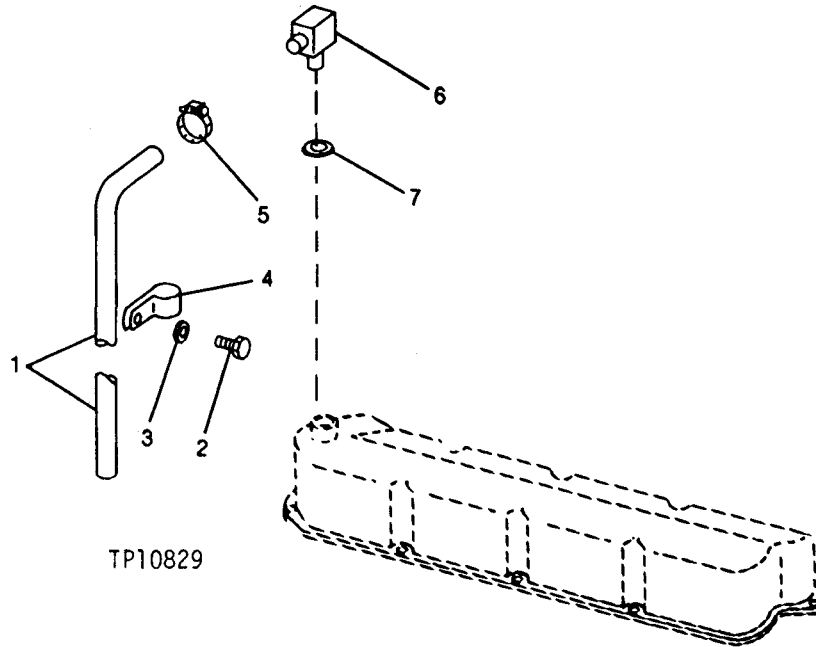
C11

ENGINE 4

VENTILATING SYSTEM 0408

ENGINE VENTILATOR TUBE CODE 2902 VENTILATOR SYSTEM, FLEXIBLE

TP10829



TP10829

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R99793	HOSE	1	6 6	(SUB FOR R100541)
2	19H2284	CAP SCREW	1	0 0	
3	24H1303	WASHER	1	5 6	3/8" X 7/8"
	12H304	LOCK WASHER	1	9 8	13/32" X 11/16" X 0.065"
4	T35699	CLAMP	1		3/8"
5	AR21839	CLAMP	1		
6	R92154	ELBOW FITTING	1		
7	R56463	O-RING	1		

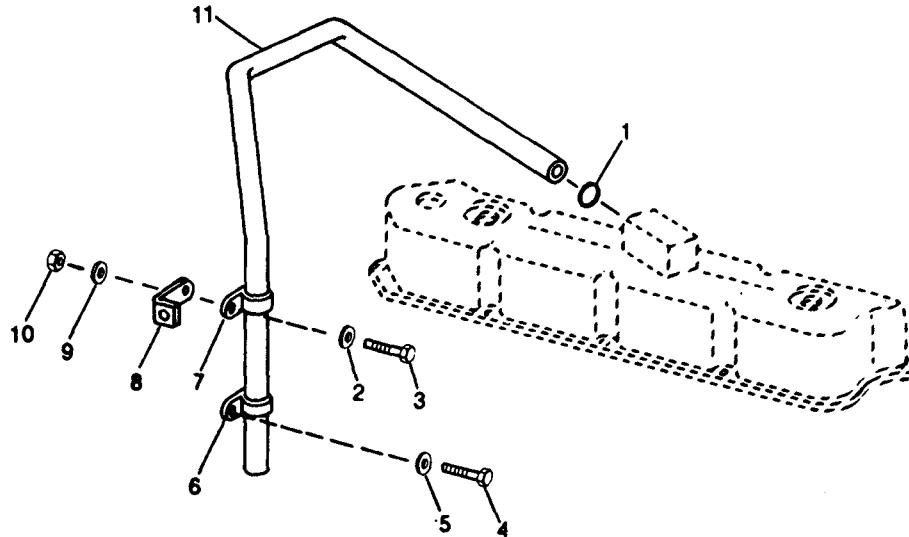
C12

ENGINE 4

VENTILATING SYSTEM 0408

ENGINE VENTILATOR TUBE CODE 2909 VENTILATOR SYSTEM

TP26800



TP26800

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R56463	O-RING	1	6 6	
2	24H1303	WASHER	1	0 0	
3	19H2284	CAP SCREW	1	5 6	
4	19H1900	CAP SCREW	1	9 8	
5	24H1685	WASHER	1		13/32" X 11/16" X 0.065"
6	T24432	CLIP	1		3/8" X 7/8"
7	R40791	CLAMP	1		5/16" X 3/4"
8	R73975	BRACKET	1		11/32" X 47/64" X 0.083"
9	12H304	LOCK WASHER	1		
10	14H812	NUT	1		3/8"
11	R59047	TUBE	1		

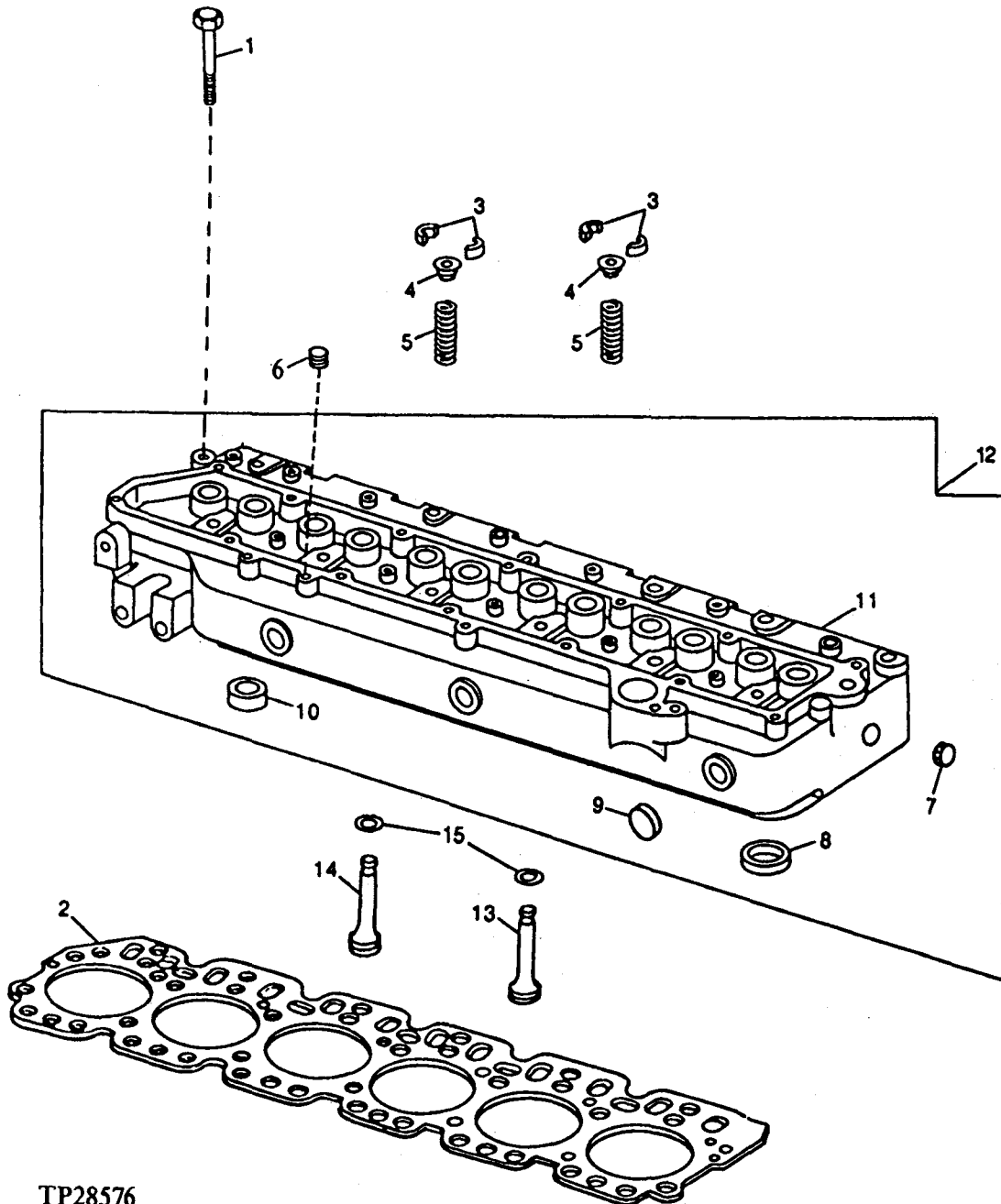
C13

ENGINE 4

CYLINDER HEAD, HEAD GASKET AND VALVES CODE 5101 CYLINDER HEAD (6059)

CYLINDER HEAD AND VALVES 0409

TP28576



TP28576

C14

ENGINE 4

CYLINDER HEAD, HEAD GASKET AND VALVES CODE 5101 CYLINDER HEAD (6059)

CYLINDER HEAD AND VALVES 0409

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R85363	CAP SCREW	26		X	
2	R92426	GASKET	1		X	
3	R91889	LOCK	24		X	
4	RE31323	ROTATOR	12		X	
5	R26125	SPRING	12		X	
6	R104592	PIPE PLUG	1		X	(SUB FOR 15H558, THIS APPLICATION)
7	A3910R	CAP	2		X	
8	R98063	VALVE SEAT INSERT	6		X	STANDARD SIZE INTAKE VALVE
	R98335	VALVE SEAT INSERT	6		X	OVERSIZE INTAKE VALVE
9	R43409	CAP	3		X	
10	R85687	VALVE SEAT INSERT	6		X	STANDARD SIZE EXHAUST VALVE
	R93910	VALVE SEAT INSERT	6		X	OVERSIZE EXHAUST VALVE
11		CYLINDER HEAD	1		X	(SUB RE48618)
12	RE48618	CYLINDER HEAD	1		X	(MARKED R111950) (SUB FOR RE36429, MARKED R97629)
13	R90692	EXHAUST VALVE	6		X	STANDARD
	R97492	EXHAUST VALVE	6		X	0.38 MM (.015") OVERSIZE
	R97493	EXHAUST VALVE	6		X	0.76 MM (.030") OVERSIZE
14	R98062	INTAKE VALVE	6		X	STANDARD
	R97490	INTAKE VALVE	6		X	0.38 MM (.015") OVERSIZE
	R97491	INTAKE VALVE	6		X	0.76 MM (.030") OVERSIZE
15	RE31617	SEAL	12		X	(WITH TURBOCHARGER)

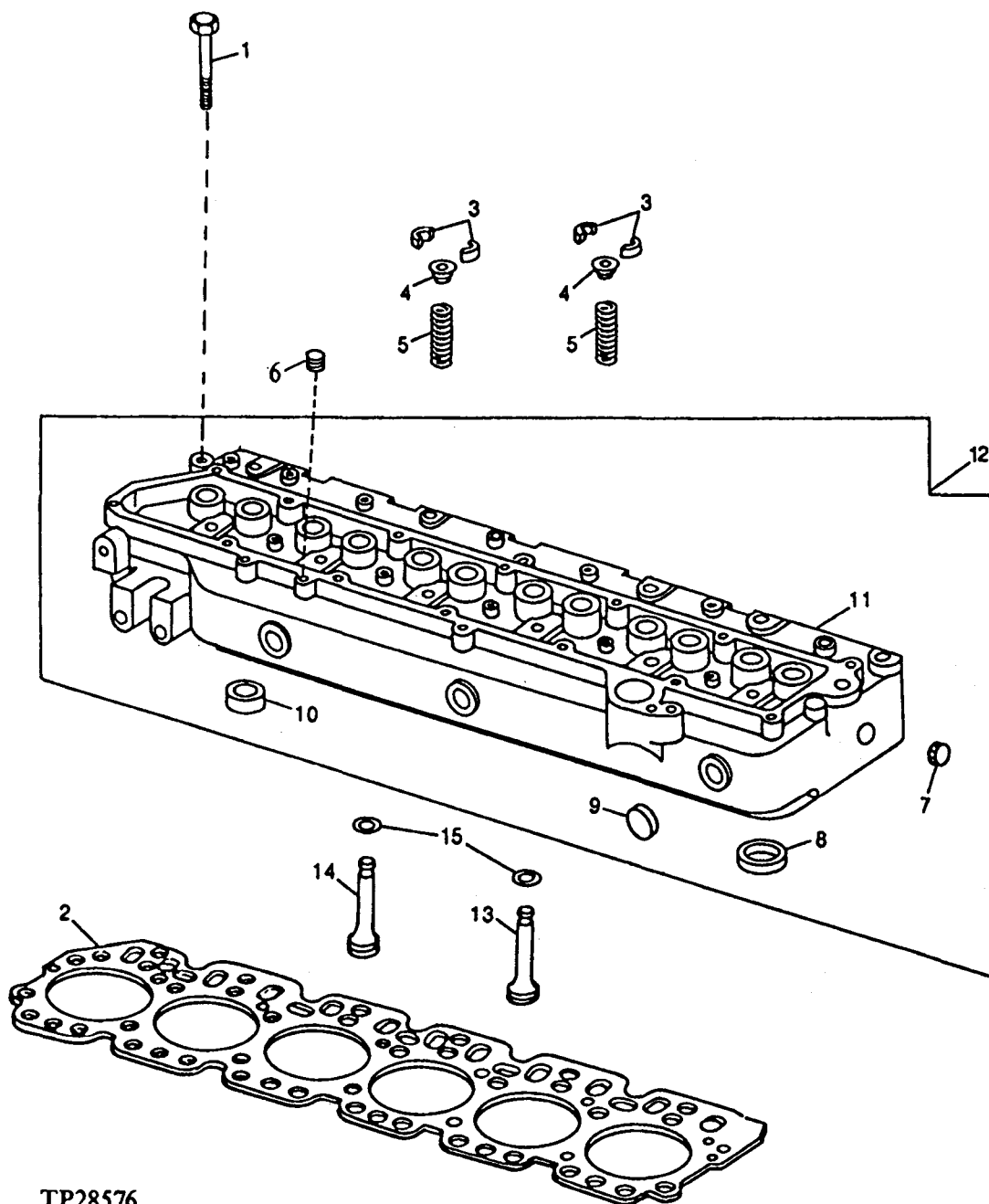
C15

ENGINE 4

CYLINDER HEAD, HEAD GASKET AND VALVES CODE 5101 CYLINDER HEAD (WITH TURBOCHARGER) (6068)

CYLINDER HEAD AND VALVES 0409

TP28576



TP28576

C16

ENGINE 4

CYLINDER HEAD AND VALVES 0409

CYLINDER HEAD, HEAD GASKET AND VALVES CODE 5101 CYLINDER HEAD (WITH TURBOCHARGER) (6068)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 0 5 6 9 8	
1	R85363	CAP SCREW	26		X
2	R92426	GASKET	1		X
3	R91889	LOCK	24		X
4	RE31323	ROTATOR	12		X
5	R26125	SPRING	12		X
6	R104592	PIPE PLUG	1		X
7	A3910R	CAP	2		X
8	R98063	VALVE SEAT INSERT	6		X STANDARD SIZE INTAKE VALVE
	R98335	VALVE SEAT INSERT	6		X OVERSIZE INTAKE VALVE
9	R43409	CAP	3		X
10	R85687	VALVE SEAT INSERT	6		X STANDARD SIZE EXHAUST VALVE
	R93910	VALVE SEAT INSERT	6		X OVERSIZE EXHAUST VALVE
11		CYLINDER HEAD	1		X (SUB RE48618)
12	RE48618	CYLINDER HEAD	1		X (MARKED R111950) (SUB FOR RE36429, MARKED R97629)
13	R90692	EXHAUST VALVE	6		X STANDARD
	R97492	EXHAUST VALVE	6		X 0.38 MM (.015") OVERSIZE
	R97493	EXHAUST VALVE	6		X 0.76 MM (.030") OVERSIZE
14	R98062	INTAKE VALVE	6		X STANDARD
	R97490	INTAKE VALVE	6		X 0.38 MM (.015") OVERSIZE
	R97491	INTAKE VALVE	6		X 0.76 MM (.030") OVERSIZE
15	RE31617	SEAL	12		X

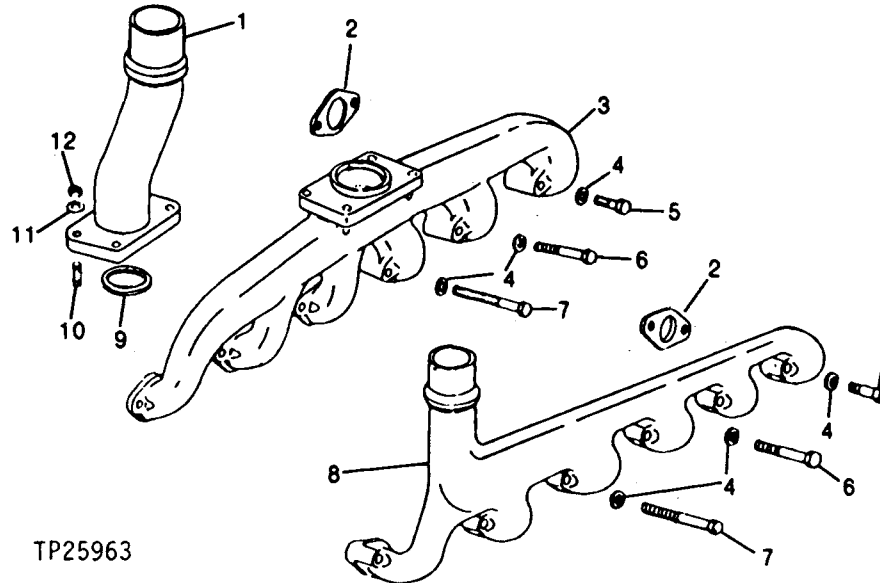
C17

ENGINE 4

EXHAUST MANIFOLD 0410

EXHAUST MANIFOLD
 CODE 2803 EXHAUST MANIFOLD, FRONT VERTICAL
 CODE 2805 EXHAUST MANIFOLD, CENTER WITH EXTENSION
 CODE 2811 EXHAUST MANIFOLD, CENTER WITHOUT EXTENSION

TP25963



TP25963

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 0 5 6 9 8	
1	T29812	EXHAUST PIPE	1	X X	CODE 2805
2	R90658	GASKET	6	X X	
3	T29809	EXHAUST MANIFOLD	1	X X	CODE 2805 AND 2811
4	24H1303	WASHER	11	X X	13/32" X 11/16" X 0.065"
5	19H988	CAP SCREW	1	X X	3/8" X 1-1/4"
6	19H268	CAP SCREW	5	X X	3/8" X 2-1/2"
7	19H1912	CAP SCREW	6	X X	3/8" X 3-1/2"
8	T28437	EXHAUST MANIFOLD	1	X X	CODE 2803
9	R97353	GASKET	1	X X	CODE 2805
10	T25701	STUD	4	X X	CODE 2805
11	24H1305	WASHER	4	X X	13/32" X 13/16" X 0.065", CODE 2805
12	14H812	NUT	4	X X	3/8", CODE 2805

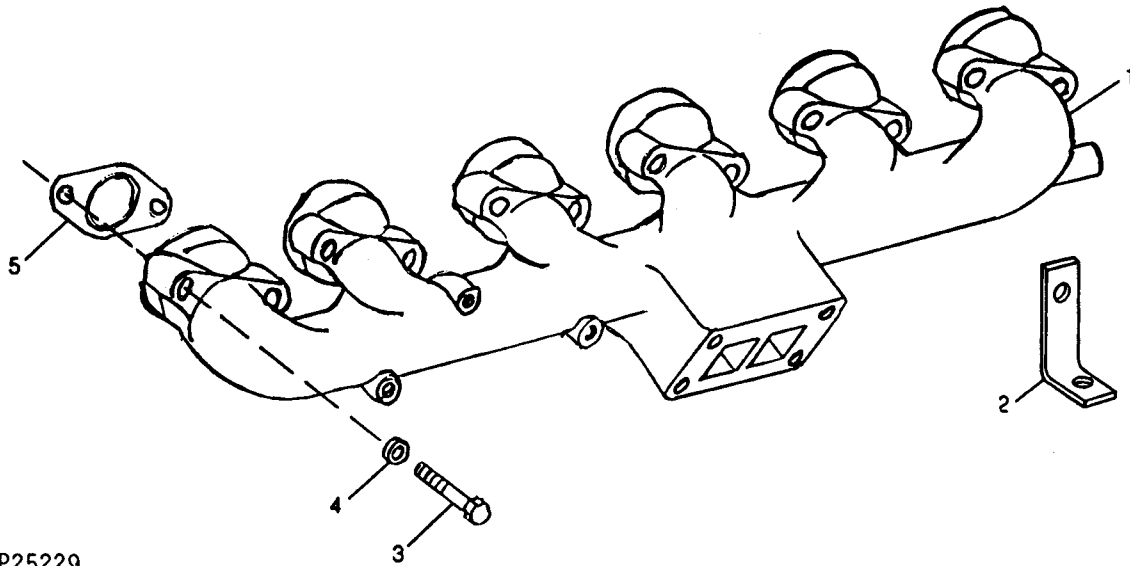
C18

ENGINE 4

EXHAUST MANIFOLD 0410

CODE 2819 EXHAUST MANIFOLD
EXHAUST MANIFOLD, LOW PROFILE

TP25229



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R85962	EXHAUST MANIFOLD	1	6 6 0 0 5 6 9 8	
2	R48569	BRACKET	1	X X	
3	19H2128	CAP SCREW	12	X X	3/8" X 3"
4	24H1304	WASHER	11	X X	13/32" X 23/32" X 0.120"
5	R90658	GASKET	6	X X	

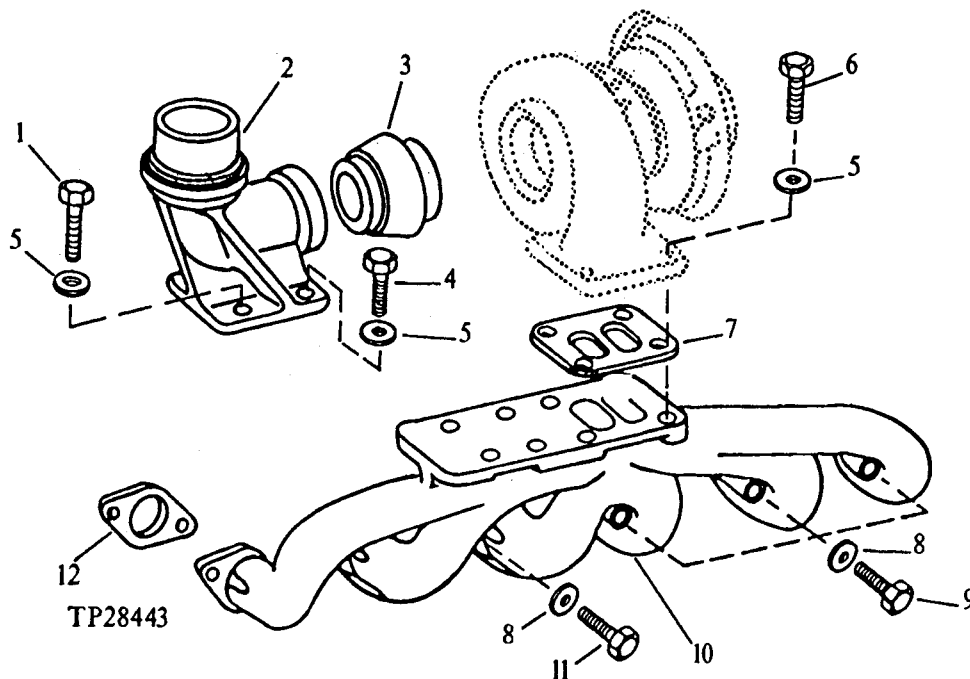
C19

ENGINE 4

EXHAUST MANIFOLD 0410

EXHAUST MANIFOLD AND ELBOW
CODE 2803 MANIFOLD FRONT VERTICAL
CODE 6401 EXHAUST ELBOW

TP28443



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	19H1800	CAP SCREW	2	6 6	X X 3/8" X 1-1/2"
2	R57270	ELBOW FITTING	1	0 0	X X
3	R43724	ADAPTER	1	5 6	X X (SUB FOR R83034)
4	R54500	SCREW	2	9 8	X X
5	24H1305	WASHER	8		X X 13/32" X 13/16" X 0.065"
6	19H2552	CAP SCREW	4		X X 3/8" X 1-1/8"
7	R89879	GASKET	1		X X
8	24H1304	WASHER	12		X X 13/32" X 23/32" X 0.120"
9	19H1912	CAP SCREW	3		X X 3/8" X 3-1/2"
10	T30818	EXHAUST MANIFOLD	1		X X
11	19H988	CAP SCREW	9		X X 3/8" X 1-1/4"
12	R90658	GASKET	6		X X

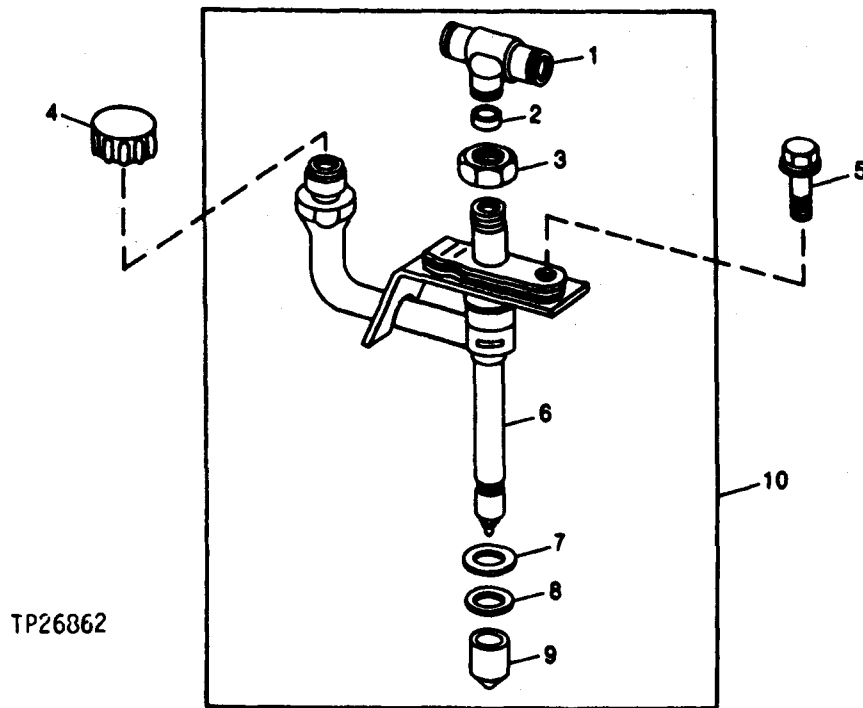
C20

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION NOZZLE

TP26862

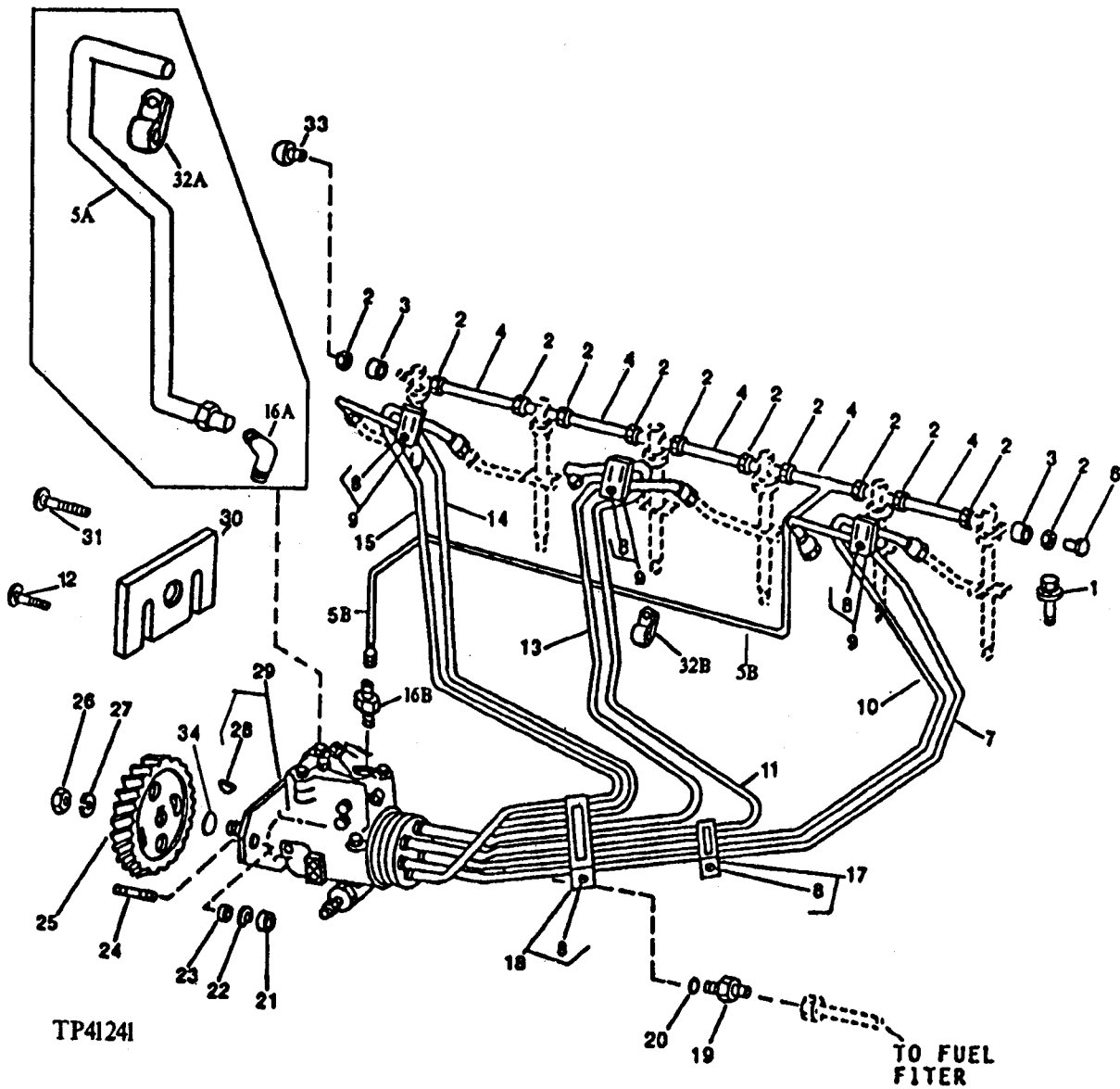


TP26862

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R79606	TEE FITTING	1	6 6 0 0 5 6 9 8	
2	R79605	WASHER	1		
3	R79604	TUBE NUT	1		
4	T31174	PLUG	1		(USE FOR SERVICING NOZZLE)
5	R101201	CAP SCREW	1		
6		NOZZLE	1		(SUB RE38087) (WITH TURBOCHARGER)
7	R92352	PACKING	1		(SUB RE36936) (WITHOUT TURBOCHARGER)
8	R48000	WASHER	1		
9	T24472	PLUG	1		
10	RE38087	INJECTION NOZZLE	1		(WITH TURBOCHARGER)
	RE36936	INJECTION NOZZLE	1		(WITHOUT TURBOCHARGER)
	RE38087	INJECTION NOZZLE	1		

FUEL INJECTION SYSTEM
 CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (WITHOUT TURBOCHARGER)
 CODE 1603 FUEL INJECTION SYSTEM, 3° - 5° GOVERNOR, ELECTRIC SHUT-OFF
 (6059)

TP41241



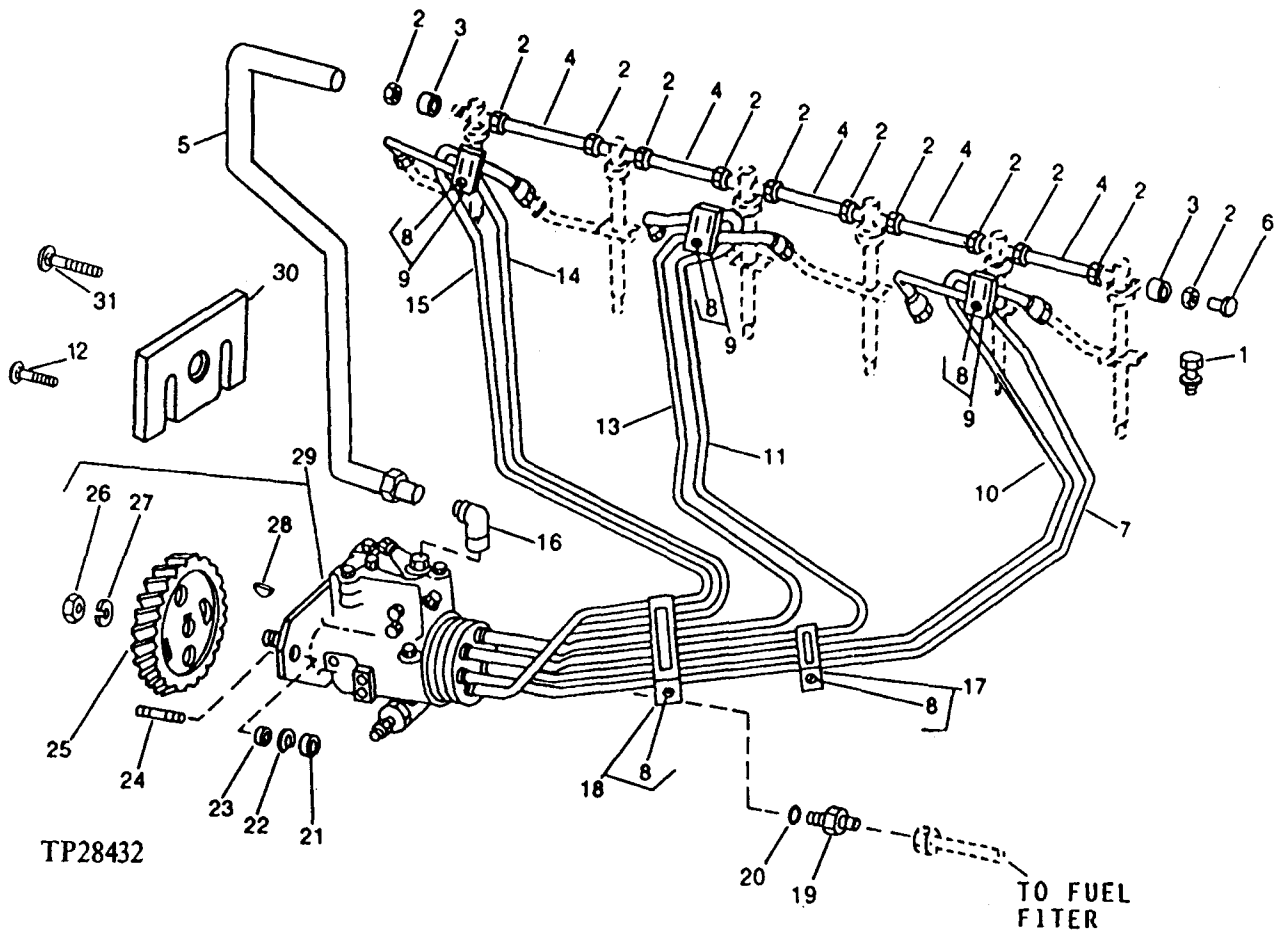
FUEL INJECTION SYSTEM
CODE 1602 FUEL INJECTION SYSTEM, STANDARD GOVERNOR, ELECTRIC SHUT-OFF (WITHOUT TURBOCHARGER)
CODE 1603 FUEL INJECTION SYSTEM, 3° - 5° GOVERNOR, ELECTRIC SHUT-OFF
(6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6	
				0 0	
				5 6	
				9 8	
1	R101201	CAP SCREW	6	X	
2	R51937	TUBE NUT	12	X	
3	R51936	PACKING	12	X	
4	R66090	TUBE	5	X	LEAK-OFF
5A	RE33962	FUEL LINE	1	-XXXXXX	LEAK-OFF
5B	AR89852	CONDUIT	1	XXXXXX-	(WITHOUT TURBOCHARGER)
6	16H658	RIVET	1	X	1/4" X 5/8"
7	RE43298	FUEL LINE	1	X	NO. 5
8	19M7300	CAP SCREW	5	X	M6 X 10
9	RE19797	CLAMP	3	X	
10	RE43299	FUEL LINE	1	X	NO. 6
11	RE43296	FUEL LINE	1	X	NO. 3
12	19M7320	CAP SCREW	2	X	M6 X 40, (USE WITH R100163 PULLER)
13	RE43297	FUEL LINE	1	X	NO. 4
14	RE43294	FUEL LINE	1	X	NO. 1
15	RE43295	FUEL LINE	1	X	NO. 2
16A	M86661	ELBOW FITTING	1	-XXXXXX	X
16B	R35352	FITTING	1	XXXXXX-	X (WITHOUT TURBOCHARGER)
17	RE20901	CLAMP	1	X	LINES 3, 5 AND 6
18	RE19800	CLAMP	1	X	
19	R27272	FITTING	1	X	
20	R26286	O-RING	1	X	
21	14H785	NUT	3	X	5/16"
22	12H303	LOCK WASHER	3	X	5/16"
23	T27860	WASHER	3	X	
24	T23442	STUD	3	X	
25	R104907	GEAR	1	X	(48-TEETH) (WITH TURBOCHARGER)
	R84663	GEAR	1	-XXXXXX	X (48-TEETH) (WITHOUT TURBOCHARGER)
	R76964	PINION	1	XXXXXX-	X (48 TEETH) (WITHOUT TURBOCHARGER)
26	R91360	NUT	1	X	(WITH TURBOCHARGER)
	R48599	NUT	1	-XXXXXX	X (WITHOUT TURBOCHARGER)
	R91360	NUT	1	XXXXXX-	X (WITHOUT TURBOCHARGER)
27	R48600	LOCK WASHER	1	X	
28	26H10	SHAFT KEY	1	X	5/32" X 5/8"
29	RE24182	SHANK	1	-XXXXXX	X (A) (CODE 1602) (STANADYNE NO.) (WITHOUT TURBOCHARGER) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE47058	FUEL INJECTION PUMP	1	XXXXXX-	X (CODE 1602) (STANADYNE NO.) (WITHOUT TURBOCHARGER)
	RE44463	FUEL INJECTION PUMP	1	-XXXXXX	X (A) (CODE 1603) (STANADYNE NO.) (WITH TURBOCHARGER) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE48159	FUEL INJECTION PUMP	1	XXXXXX-	X (A) (CODE 1603) (STANADYNE NO.) (WITH TURBOCHARGER) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
30	R100163	PULLER	1	X	(USE TO REMOVE FUEL INJECTION PUMP) (ALSO ORDER 19H1815 AND (2) 19M7320)
31	19H1815	CAP SCREW	1	X	(E) (USE WITH R100163 PULLER)
32A	T29969	CLAMP	1	-XXXXXX	X (WITHOUT TURBOCHARGER)
32B	T29969	CLAMP	1	XXXXXX-	X (WITHOUT TURBOCHARGER)
33	16H658	RIVET	1	XXXXXX-	X 1/4" X 5/8", (WITHOUT TURBOCHARGER)
34	R89944	O-RING	1	XXXXXX-	

(A) SEE YOUR AUTHORIZED PUMP REPAIR STATION FOR INTERNAL PARTS

FUEL INJECTION SYSTEM
CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (WITH TURBOCHARGER)
(6059)

TP28432



FUEL INJECTION SYSTEM
CODE 1602 FUEL INJECTION SYSTEM, STANDARD GOVERNOR, ELECTRIC SHUT-OFF (WITH TURBOCHARGER)
(6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R101201	CAP SCREW	6		X	
2	R51937	TUBE NUT	12		X	
3	R51936	PACKING	12		X	
4	R66090	TUBE	5		X	LEAK-OFF
5	RE33962	FUEL LINE	1		X	LEAK-OFF
6	16H658	RIVET	1		X	1/4" X 5/8"
7	RE43298	FUEL LINE	1		X	NO. 5
8	19M7300	CAP SCREW	5		X	M6 X 10
9	RE19797	CLAMP	3		X	
10	RE43299	FUEL LINE	1		X	NO. 6
11	RE43296	FUEL LINE	1		X	NO. 3
12	19M7320	CAP SCREW	2		X	M6 X 40, (USE WITH R100163 PULLER)
13	RE43297	FUEL LINE	1		X	NO. 4
14	RE43294	FUEL LINE	1		X	NO. 1
15	RE43295	FUEL LINE	1		X	NO. 2
16	M86661	ELBOW FITTING	1		X	
17	RE20901	CLAMP	1		X	LINES 3, 5 AND 6
18	RE19800	CLAMP	1		X	
19	R27272	FITTING	1		X	
20	R26286	O-RING	1		X	
21	14H785	NUT	3		X	5/16"
22	12H303	LOCK WASHER	3		X	5/16"
23	T27860	WASHER	3		X	
24	T23442	STUD	3		X	
25	R104907	GEAR	1		X	(48-TEETH) (WITH TURBOCHARGER)
	R84663	GEAR	1		X	(48-TEETH) (WITHOUT TURBOCHARGER)
26	R91360	NUT	1		X	(WITH TURBOCHARGER)
	R48599	NUT	1		X	(WITHOUT TURBOCHARGER)
27	R48600	LOCK WASHER	1		X	
28	26H10	SHAFT KEY	1		X	5/32" X 5/8"
29	RE42091	FRAME	1	-XXXXXX	X	(A) (STANADYNE NO.) (WITH TURBOCHARGER) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE47137	FUEL INJECTION PUMP	1	XXXXXX-	X	(A) (STANADYNE NO.) (WITH TURBOCHARGER) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
30	R100163	PULLER	1		X	(USE TO REMOVE FUEL INJECTION PUMP) (ALSO ORDER 19H1815 AND (2) 19M7320)
31	19H1815	CAP SCREW	1		X	(E) (USE WITH R100163 PULLER)

(A) SEE YOUR AUTHORIZED PUMP REPAIR STATION FOR INTERNAL PARTS

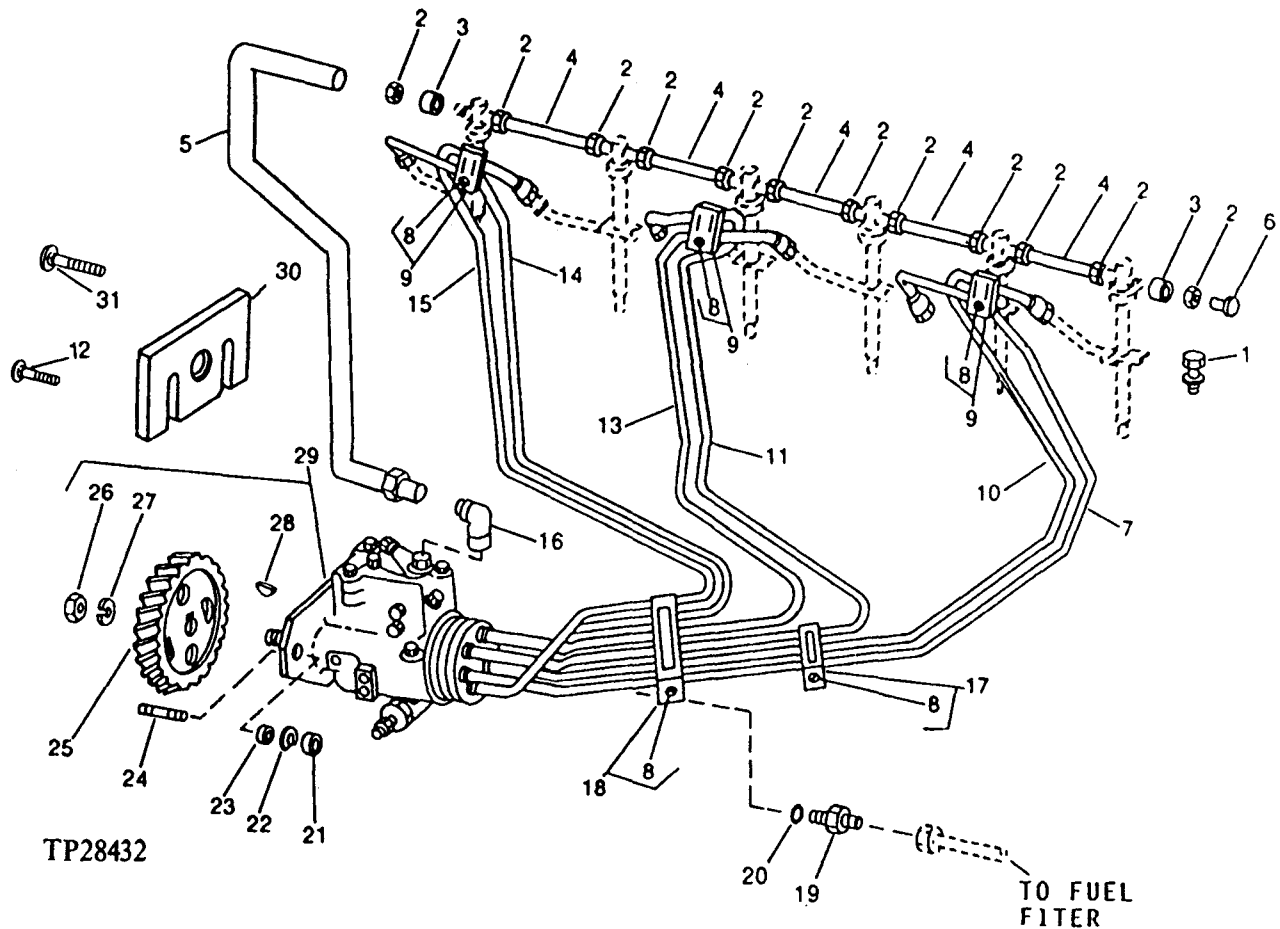
D01

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION SYSTEM CODE 1615 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (WITH TURBOCHARGER) (6059)

TP28432



D02

ENGINE 4

FUEL INJECTION SYSTEM 0413

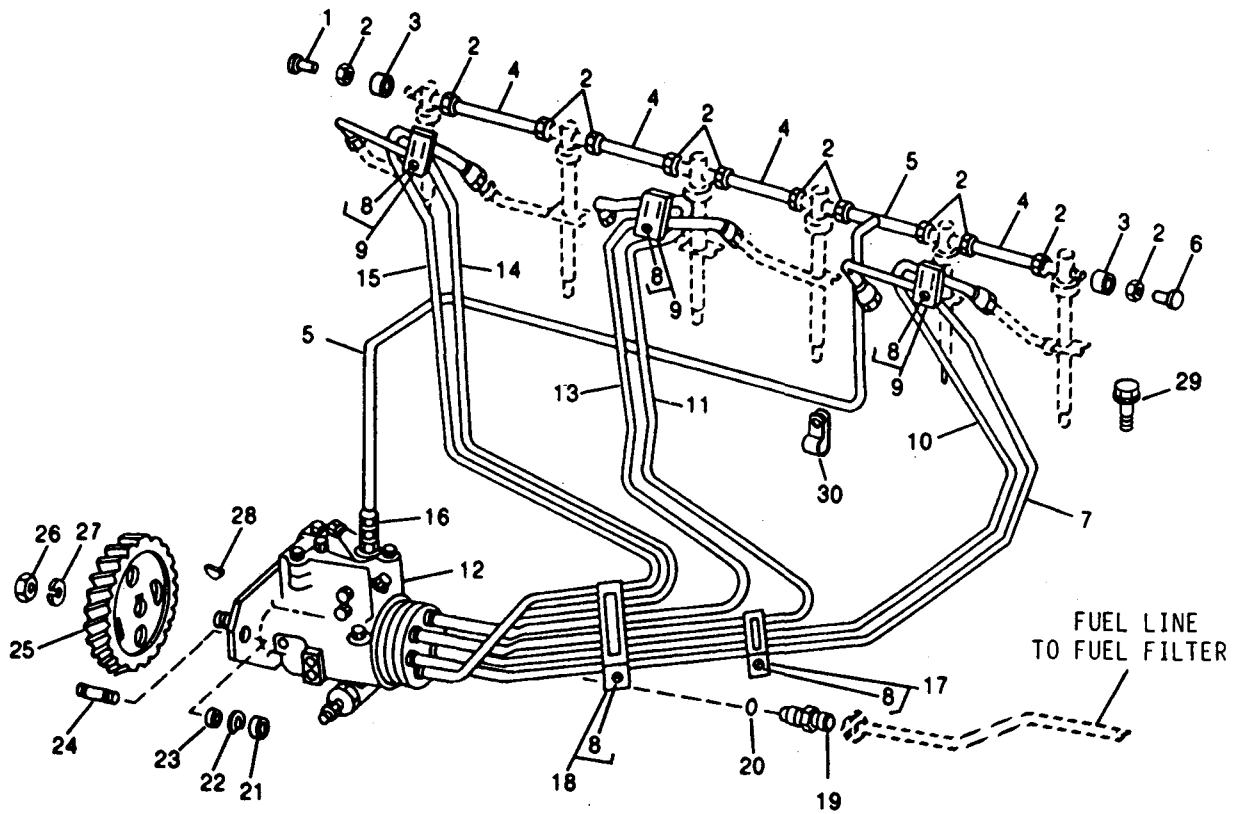
FUEL INJECTION SYSTEM
CODE 1615 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (WITH TURBOCHARGER)
(6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R101201	CAP SCREW	6		X	
2	R51937	TUBE NUT	12		X	
3	R51936	PACKING	12		X	
4	R66090	TUBE	5		X	LEAK-OFF
5	RE33962	FUEL LINE	1		X	LEAK-OFF
6	16H658	RIVET	1		X	1/4" X 5/8"
7	RE43298	FUEL LINE	1		X	NO. 5
8	19M7300	CAP SCREW	5		X	M6 X 10
9	RE19797	CLAMP	3		X	
10	RE43299	FUEL LINE	1		X	NO. 6
11	RE43296	FUEL LINE	1		X	NO. 3
12	19M7320	CAP SCREW	2		X	M6 X 40, (USE WITH R100163 PULLER)
13	RE43297	FUEL LINE	1		X	NO. 4
14	RE43294	FUEL LINE	1		X	NO. 1
15	RE43295	FUEL LINE	1		X	NO. 2
16	M86661	ELBOW FITTING	1		X	
17	RE20901	CLAMP	1		X	LINES 3, 5 AND 6
18	RE19800	CLAMP	1		X	
19	R27272	FITTING	1		X	
20	R26286	O-RING	1		X	
21	14H785	NUT	3		X	5/16"
22	12H303	LOCK WASHER	3		X	5/16"
23	T27860	WASHER	3		X	
24	T23442	STUD	3		X	
25	R104907	GEAR	1		X	(48-TEETH) (WITH TURBOCHARGER)
26	R91360	NUT	1		X	(WITH TURBOCHARGER)
27	R48600	LOCK WASHER	1		X	
28	26H10	SHAFT KEY	1		X	5/32" X 5/8"
29	RE47057	FUEL INJECTION PUMP	1		X	(STANADYNE NO.)
30	R100163	PULLER	1		X	(USE TO REMOVE FUEL INJECTION PUMP) (ALSO .
						ORDER 19H1815 AND (2) 19M7320)
31	19H1815	CAP SCREW	1		X	(E) (USE WITH R100163 PULLER)

(A) SEE YOUR AUTHORIZED PUMP REPAIR STATION FOR INTERNAL PARTS

FUEL INJECTION SYSTEM
CODE 1615 FUEL INJECTION SYSTEM, REGULAR GOVERNOR, 12-VOLT (WITHOUT TURBOCHARGER)
(6059)

TP28437



TP28437

D04

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION SYSTEM
CODE 1615 FULE INJECTION SYSTEM, REGULAR GOVERNOR, 12-VOLT (WITHOUT TURBOCHARGER)
(6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
				6 6 0 9 5 6 9 8	
1	16H658	RIVET	1	X	1/4" X 5/8"
2	R51937	TUBE NUT	12	X	
3	R51936	PACKING	12	X	
4	R66090	TUBE	4	X	
5	AR89852	CONDUIT	1	X	LEAK-OFF
6	16H658	RIVET	1	X	1/4" X 5/8"
7	RE43298	FUEL LINE	1	X	NO. 5
8	19M7300	CAP SCREW	5	X	M6 X 10
9	RE19797	CLAMP	3	X	
10	RE43299	FUEL LINE	1	X	NO. 6
11	RE43296	FUEL LINE	1	X	NO. 3
12	RE47059	FUEL INJECTION PUMP	1	X	(STANADYNE NO.)
13	RE43297	FUEL LINE	1	X	NO. 4
14	RE43294	FUEL LINE	1	X	NO. 1
15	RE43295	FUEL LINE	1	X	NO. 2
16	R35352	FITTING	1	X	
17	RE20901	CLAMP	1	X	
18	RE19800	CLAMP	1	X	
19	R27272	FITTING	1	X	
20	R26286	O-RING	1	X	
21	14H785	NUT	3	X	5/16"
22	12H303	LOCK WASHER	3	X	
23	T27860	WASHER	3	X	
24	T23442	STUD	3	X	
25	R76964	PINION	1	X	(48 TEETH)
26	R91360	NUT	1	X	
27	R48600	LOCK WASHER	1	X	
28	26H10	SHAFT KEY	1	X	5/32" X 5/8"
29	R101201	CAP SCREW	6	X	
30	T29969	CLAMP	1	X	

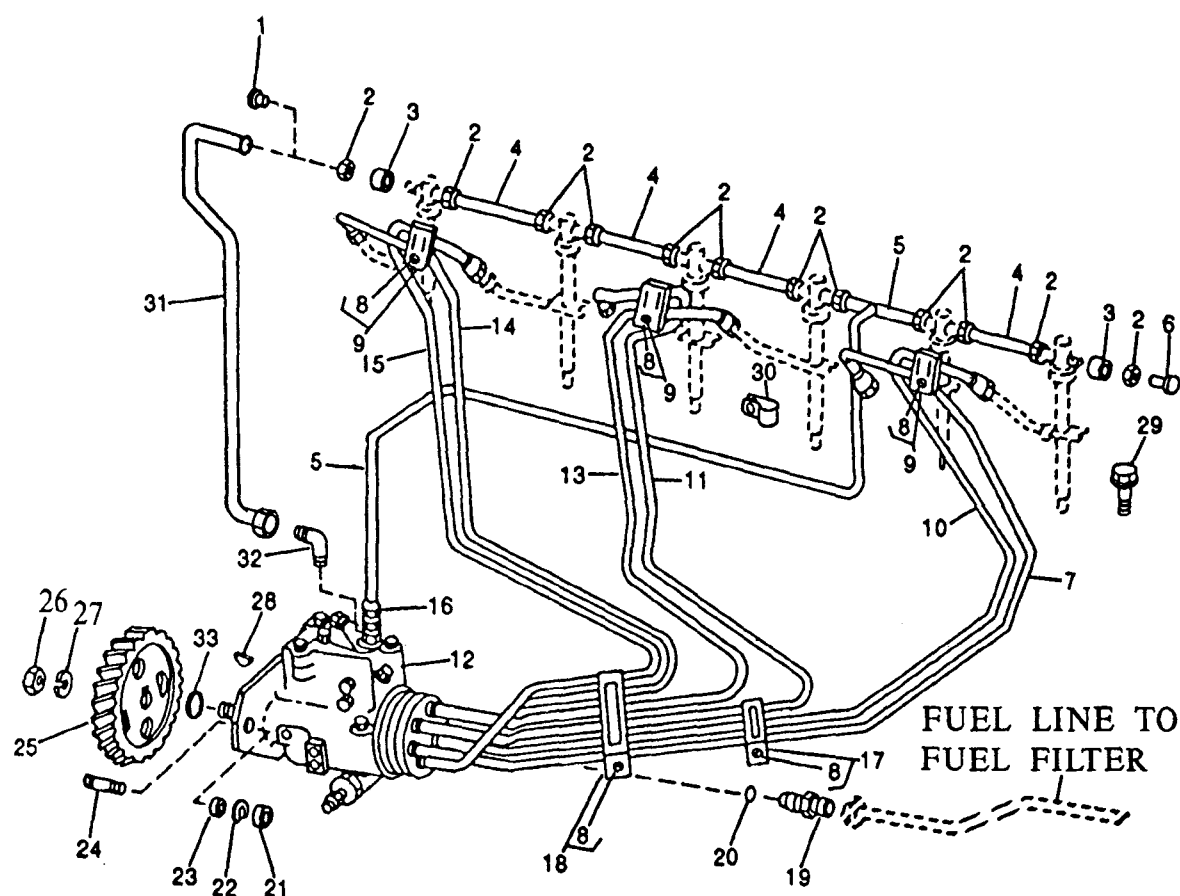
D05

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION SYSTEM
 CODE 1604 FUEL INJECTION SYSTEM, 3 PERCENT, 24-VOLT ELECTRIC SHUT-OFF
 CODE 1619 FUEL INJECTION SYSTEM, REGULAR GOVERNOR, 24-VOLT
 CODE 1621 FUEL INJECTION SYSTEM, REGULAR GOVERNOR, 24-VOLT
 (WITH TURBOCHARGER)
 (6059)

TP40594



TP40594

FUEL INJECTION SYSTEM
 CODE 1604 FUEL INJECTION SYSTEM, 3 PERCENT, 24-VOLT ELECTRIC SHUT-OFF
 CODE 1619 FUEL INJECTION SYSTEM, REGULAR GOVERNOR, 24-VOLT
 CODE 1621 FUEL INJECTION SYSTEM, REGULAR GOVERNOR, 24-VOLT
 (WITH TURBOCHARGER)
 (6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 9 5 6 9 8	REMARKS
1	16H658	RIVET	1		X	1/4" X 5/8", (WITHOUT LOW PROFILE TURBOCHARGER)
2	R51937	TUBE NUT	12		X	
3	R51936	PACKING	12		X	
4	R66090	TUBE	4		X	(WITHOUT LOW PROFILE TURBOCHARGER)
	R66090	TUBE	5		X	(WITH LOW PROFILE TURBOCHARGER)
5	AR89852	CONDUIT	1		X	LEAK-OFF (WITHOUT LOW PROFILE TURBOCHARGER)
6	16H658	RIVET	1		X	1/4" X 5/8"
7	RE43298	FUEL LINE	1		X	NO. 5
8	19M7300	CAP SCREW	5		X	M6 X 10
9	RE19797	CLAMP	3		X	
10	RE43299	FUEL LINE	1		X	NO. 6
11	RE43296	FUEL LINE	1		X	NO. 3
12	RE40409	FUEL INJECTION PUMP	1		X	(CODE 1604) (STANADYNE NO.)
	RE42290	FRAME	1		X	(CODE 1621) (STANADYNE NO.)
	RE47178	FUEL INJECTION PUMP	1		X	(CODE 1619) (STANADYNE NO.)
13	RE43297	FUEL LINE	1		X	NO. 4
14	RE43294	FUEL LINE	1		X	NO. 1
15	RE43295	FUEL LINE	1		X	NO. 2
16	R35352	FITTING	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
17	RE20901	CLAMP	1		X	
18	RE19800	CLAMP	1		X	
19	R27272	FITTING	1		X	
20	R26286	O-RING	1		X	
21	14H785	NUT	3		X	5/16"
22	12H303	LOCK WASHER	3		X	
23	T27860	WASHER	3		X	
24	T23442	STUD	3		X	
25	R104907	GEAR	1		X	(48 TEETH)
26	R91360	NUT	1		X	
27	R48600	LOCK WASHER	1		X	
28	26H10	SHAFT KEY	1		X	5/32" X 5/8"
29	R101201	CAP SCREW	6		X	
30	T29969	CLAMP	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
31	RE33962	FUEL LINE	1		X	(WITH LOW PROFILE TURBOCHARGER)
32	M86661	ELBOW FITTING	1		X	(WITH LOW PROFILE TURBOCHARGER)
33	R89944	O-RING	1		X	

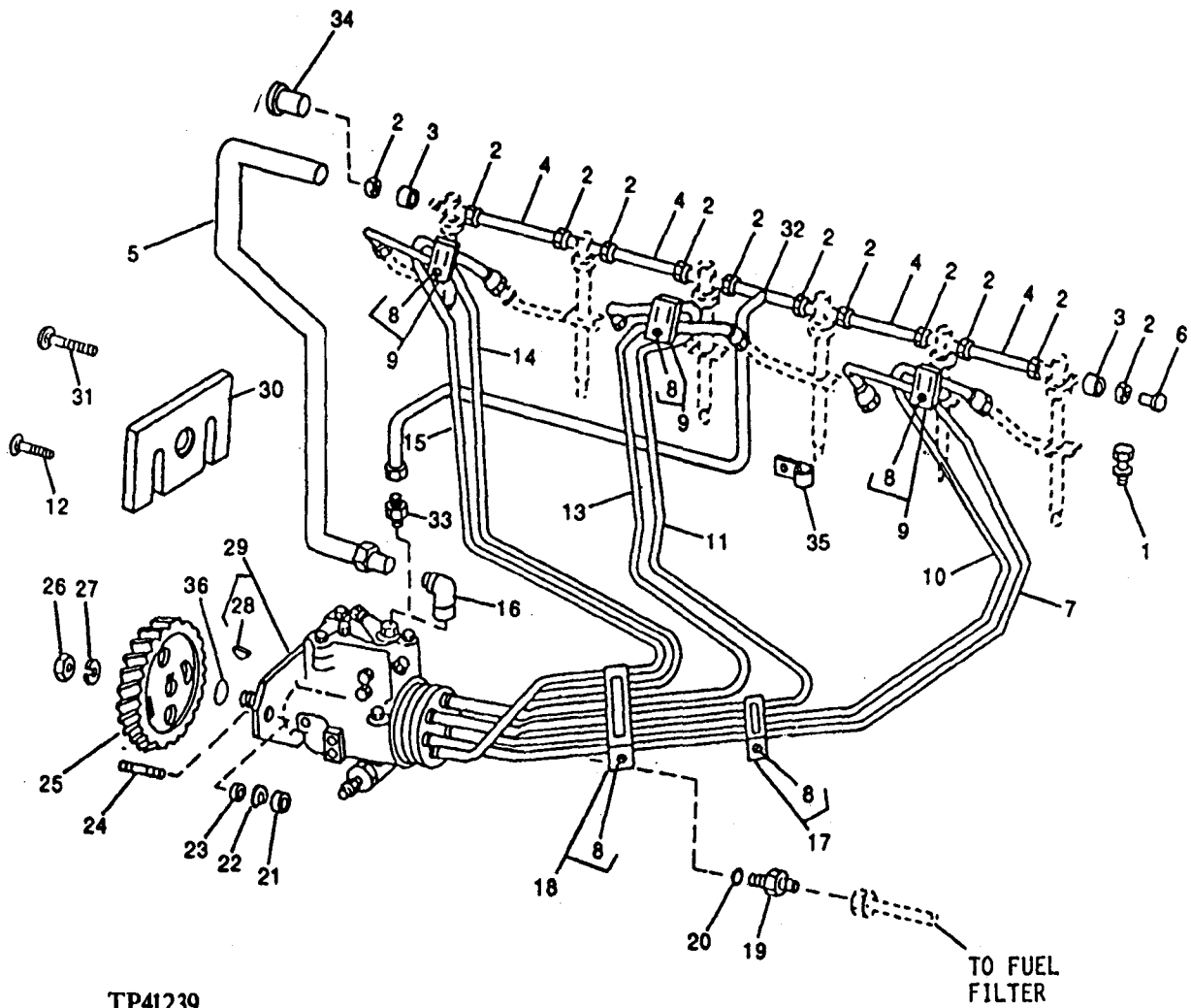
D07

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION SYSTEM
CODE 1624 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, 24-VOLT ELECTRIC SHUT-OFF
CODE 1644 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, ELECTRIC SHUT-OFF
CODE 1645 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, 24-VOLT ELECTRIC SHUT-OFF (6059)

TP41239



TP41239

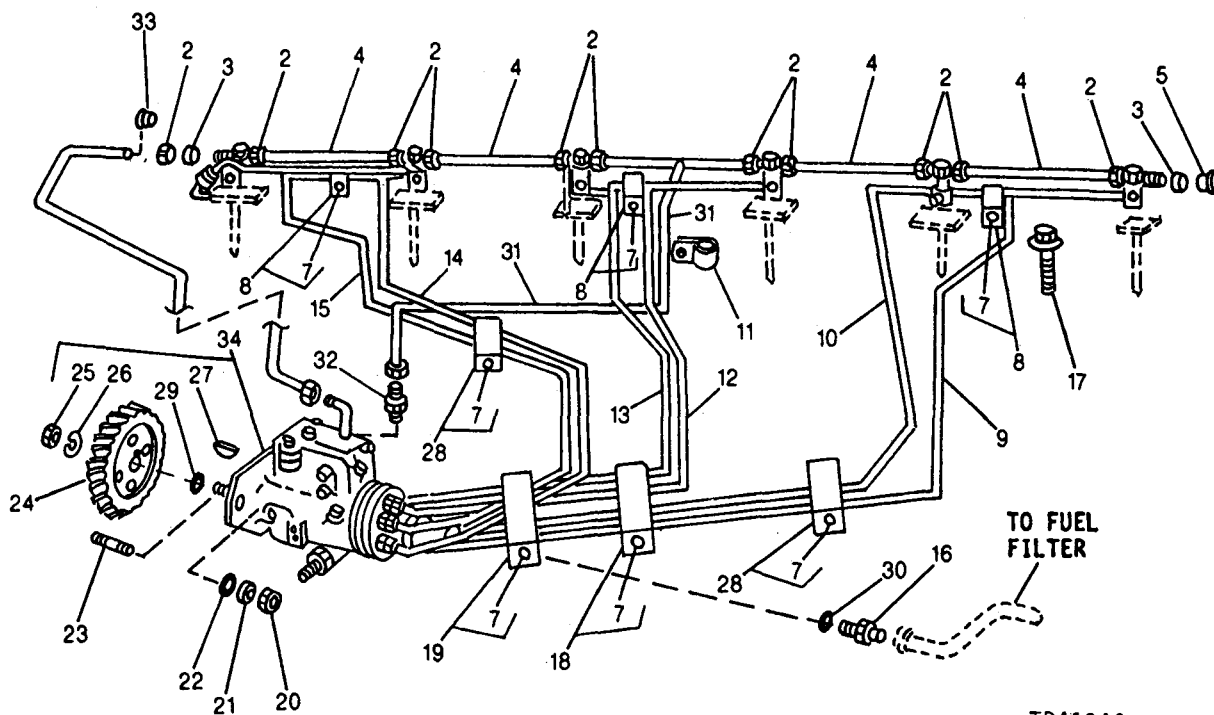
FUEL INJECTION SYSTEM
CODE 1624 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, 24-VOLT ELECTRIC SHUT-OFF
CODE 1644 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, ELECTRIC SHUT-OFF
CODE 1645 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR, 24-VOLT ELECTRIC SHUT-OFF
(6059)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	R101201	CAP SCREW	6		X	
2	R51937	TUBE NUT	12		X	
3	R51936	PACKING	12		X	
4	R66090	TUBE	5		X	LEAK-OFF (WITH LOW PROFILE TURBOCHARGER)
	R66090	TUBE	4		X	(WITHOUT LOW PROFILE TURBOCHARGER)
5	RE33962	FUEL LINE	1		X	LEAK-OFF (WITH LOW PROFILE TURBOCHARGER)
6	16H658	RIVET	1		X	1/4" X 5/8"
7	RE43298	FUEL LINE	1		X	NO. 5
8	19M7300	CAP SCREW	5		X	M6 X 10
9	RE19797	CLAMP	3		X	
10	RE43299	FUEL LINE	1		X	NO. 6
11	RE43296	FUEL LINE	1		X	NO. 3
12	19M7320	CAP SCREW	2		X	(M) (USE WITH R100163 PULLER)
13	RE43297	FUEL LINE	1		X	NO. 4
14	RE43294	FUEL LINE	1		X	NO. 1
15	RE43295	FUEL LINE	1		X	NO. 2
16	M86661	ELBOW FITTING	1		X	(WITH LOW PROFILE TURBOCHARGER)
17	RE20901	CLAMP	1		X	LINES 3, 5 AND 6
18	RE19800	CLAMP	1		X	
19	R27272	FITTING	1		X	
20	R26286	O-RING	1		X	
21	14H785	NUT	3		X	5/16"
22	12H303	LOCK WASHER	3		X	5/16"
23	T27860	WASHER	3		X	
24	T23442	STUD	AR		X	
	R56055	STUD	AR		X	
25	R104907	GEAR	1		X	(48-TEETH)
26	R91360	NUT	1		X	
27	R48600	LOCK WASHER	1		X	
28	26H10	SHAFT KEY	1		X	5/32" X 5/8"
29	RE44479	FUEL INJECTION PUMP	1		X	(A) (CODE 1624) (STANADYNE NO.) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE40243	FUEL INJECTION PUMP	1	-XXXXXX	X	(A) (CODE 1644) (STANADAYNE NO.) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE48157	FUEL INJECTION PUMP	1	XXXXXX-	X	(A) (CODE 1644) (STANADYNE NO.) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE42841	FUEL INJECTION PUMP	1	-XXXXXX	X	(A) (CODE 1645) (STANADYNE NO.) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
	RE48158	FUEL INJECTION PUMP	1	XXXXXX-	X	(A) (CODE 1645) (STANADYNE NO.) (ALSO ORDER R100163, 19H1815 AND (2) 19M7320)
30	R100163	PULLER	1		X	
31	19H1815	CAP SCREW	1		X	1/2" X 1-1/4", (USE WITH R100163 PULLER)
32	AR89852	CONDUIT	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
33	R35352	FITTING	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
34	16H658	RIVET	1		X	1/4" X 5/8", (WITHOUT LOW PROFILE TURBOCHARGER)
35	T29969	CLAMP	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
36	R89944	O-RING	1	XXXXXX-	X	(CODE 1644) (CODE 1645)

(A) SEE YOUR AUTHORIZED PUMP REPAIR STATION FOR INTERNAL PARTS

FUEL INJECTION SYSTEM
CODE 1602 FUEL INJECTION SYSTEM, 12-VOLT, ELECTRIC SHUT-OFF
CODE 1619 FUEL INJECTION SYSTEM, 24-VOLT, ELECTRIC SHUT-OFF
(6068)

TP41046



TP41046

D10

ENGINE 4

FUEL INJECTION SYSTEM 0413

FUEL INJECTION SYSTEM
CODE 1602 FUEL INJECTION SYSTEM, 12-VOLT, ELECTRIC SHUT-OFF
CODE 1619 FUEL INJECTION SYSTEM, 24-VOLT, ELECTRIC SHUT-OFF
(6068)

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	RE36472	FUEL LINE	1		X	(WITH LOW PROFILE TURBOCHARGER)
2	R51937	TUBE NUT	12		X	
3	R51936	PACKING	12		X	
4	R66090	TUBE	5		X	(WITH LOW PROFILE TURBOCHARGER)
	R66090	TUBE	4		X	(WITHOUT LOW PROFILE TURBOCHARGER)
5	16H658	RIVET	1		X	1/4" X 5/8"
6	M86661	ELBOW FITTING	1		X	(WITH LOW PROFILE TURBOCHARGER)
7	19M7300	CAP SCREW	7		X	M6 X 10
8	RE19797	CLAMP	3		X	
9	RE40386	FUEL LINE	1		X	NO. 5
10	RE40387	FUEL LINE	1		X	NO. 6
11	T29969	CLAMP	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
12	RE40384	FUEL LINE	1		X	NO. 3
13	RE40385	FUEL LINE	1		X	NO. 4
14	RE43986	FUEL LINE	1		X	NO. 1
15	RE40383	FUEL LINE	1		X	NO. 2
16	R27272	FITTING	1		X	
17	R101201	CAP SCREW	6		X	
18	RE19799	CLAMP	1		X	
19	RE19800	CLAMP	1		X	
20	14H785	NUT	3		X	5/16"
21	12H303	LOCK WASHER	3		X	5/16"
22	T27860	WASHER	3		X	
23	T23442	STUD	3		X	
24	R104907	GEAR	1		X	(48 TEETH)
25	R91360	NUT	1		X	
26	R48600	LOCK WASHER	1		X	
27	R56424	SHAFT KEY	1		X	
28	RE19798	CLAMP	2		X	
29	R89944	O-RING	AR		X	
30	R26286	O-RING	1		X	
31	AR85615	LINE	11		X	(WITHOUT LOW PROFILE TURBOCHARGER)
32	R35352	FITTING	1		X	(WITHOUT LOW PROFILE TURBOCHARGER)
33	16H658	RIVET	1		X	1/4" X 5/8", (WITHOUT LOW PROFILE TURBOCHARGER)
34	RE42092	FUEL INJECTION PUMP	1	-XXXXXX	X	(STANADYNE NO.) (CODE 1602) (WITHOUT TURBOCHARGER)
	RE49427	FUEL INJECTION PUMP	1	XXXXXX-	X	(STANADYNE NO.) (CODE 1602) (WITH TURBOCHARGER) (SUB FOR RE42094)
	RE42094	FUEL INJECTION PUMP	1	-XXXXXX	X	(STANADYNE NO.) (CODE 1602) (WITH TURBOCHARGER) (DB4-4900)
	RE47184	FUEL INJECTION PUMP	1	XXXXXX-	X	(STANADYNE NO.) (CODE 1602) (WITH TURBOCHARGER)
	RE42843	FUEL INJECTION PUMP	1	-XXXXXX	X	(STANADYNE NO.) (CODE 1619) (WITH TURBOCHARGER)
	RE47185	FUEL INJECTION PUMP	1	XXXXXX-	X	(STANADYNE NO.) (CODE 1619) (WITH TURBOCHARGER)
	RE42842	FUEL INJECTION PUMP	1	-XXXXXX	X	(STANADYNE NO.) (CODE 1619) (WITHOUT TURBOCHARGER)
	RE47183	FUEL INJECTION PUMP	1	XXXXXX-	X	(STANADYNE NO.) (CODE 1619) (WITHOUT TURBOCHARGER)

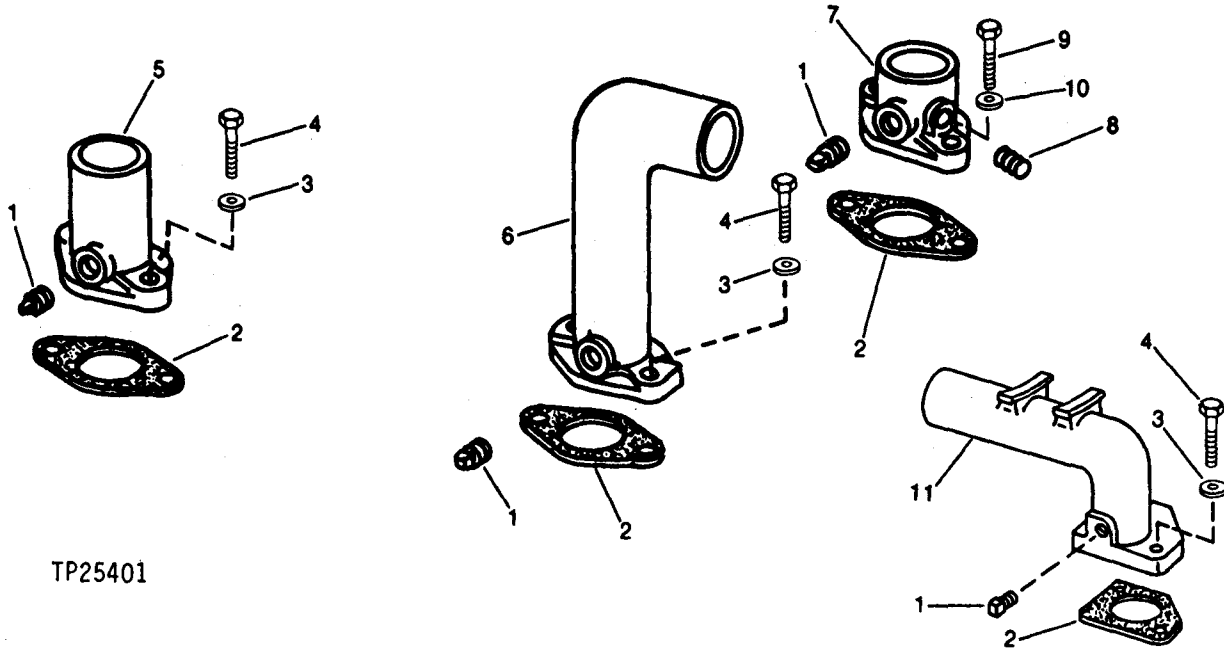
D11

ENGINE 4

INTAKE MANIFOLD 0414

AIR INTAKE
CODE 1701 AIR INTAKE
CODE 1702 AIR INTAKE
CODE 1703 AIR INTAKE
CODE 1709 AIR INTAKE
(WITHOUT TURBOCHARGER)

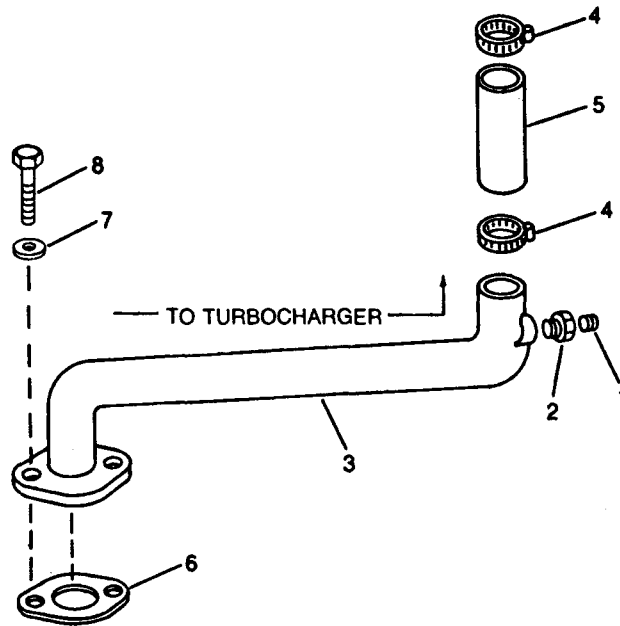
TP25401



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	15H255	PIPE PLUG	1	6 6	X X 3/8"
2	R81275	GASKET	1	0 0	X X
3	12H304	LOCK WASHER	2	5 6	X X 3/8", (CODE 1701, 1702 AND 1703)
4	19H1732	CAP SCREW	2	9 8	X X 3/8" X 1-1/4", (CODE 1701, 1702 AND 1703)
5	T25829	AIR INTAKE	1		X X (CODE 1701)
6	T23611	AIR INTAKE	1		X X (CODE 1702)
7	T31948	AIR INTAKE	1		X X (CODE 1703)
8	R104592	PIPE PLUG	1		X X (CODE 1703) (SUB FOR 15H558, THIS APPLICATION)
9	19H1800	CAP SCREW	2		X X 3/8" X 1-1/2", (CODE 1703)
10	24H1303	WASHER	2		X X 13/32" X 11/16" X 0.065", (CODE 1703)
11	R59193	AIR INTAKE	1		X X (CODE 1709)

**AIR INTAKE SYSTEM
CODE 1707 AIR INTAKE
(WITH TURBOCHARGER)
(6059)**

TP28497



TP28497

KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	6 6 0 0 5 6 9 8	REMARKS
1	15H255	PIPE PLUG	1		X	3/8"
2	T27986	FITTING	1		X	
3	RE26433	TUBE	1	-XXXXXX	X	
	RE31771	AIR INTAKE	1	XXXXXX-	X	
4	R110531	CLAMP	2		X	(SUB FOR R56552)
5	R56551	HOSE	1		X	 X 75 MM (3") X
6	R81275	GASKET	1		X	
7	12H304	LOCK WASHER	2		X	3/8"
8	19H1732	CAP SCREW	2		X	3/8" X 1-1/4"

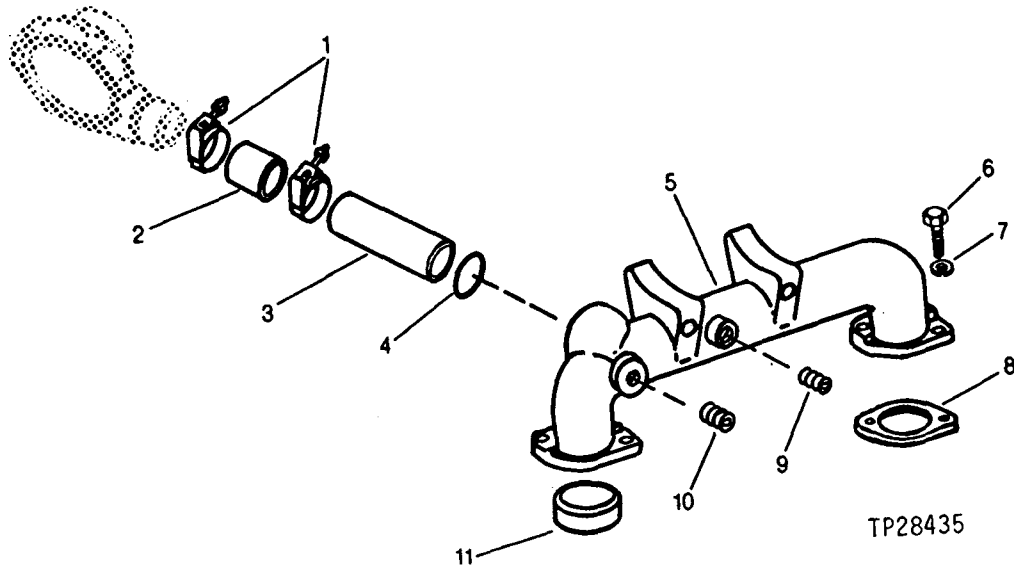
D13

ENGINE 4

INTAKE MANIFOLD 0414

AIR INTAKE SYSTEM CODE 1709 AIR INTAKE (WITH TURBOCHARGER)

TP28435



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R110531	CLAMP	2	6 6	(SUB FOR R56552)
2	R56551	HOSE	1	0 0	
3	R56904	TUBE	1	5 6	
4	R56905	O-RING	1	9 8	
5	R107730	INTAKE MANIFOLD	1		(SUB FOR R100832)
6	19H1732	CAP SCREW	4		3/8" X 1-1/4"
7	12H304	LOCK WASHER	4		3/8"
8	R81275	GASKET	1		
9	R104592	PIPE PLUG	1		(WITHOUT STARTING AID)
10	15H255	PIPE PLUG	1		3/8"
11	R107413	PLUG	1		

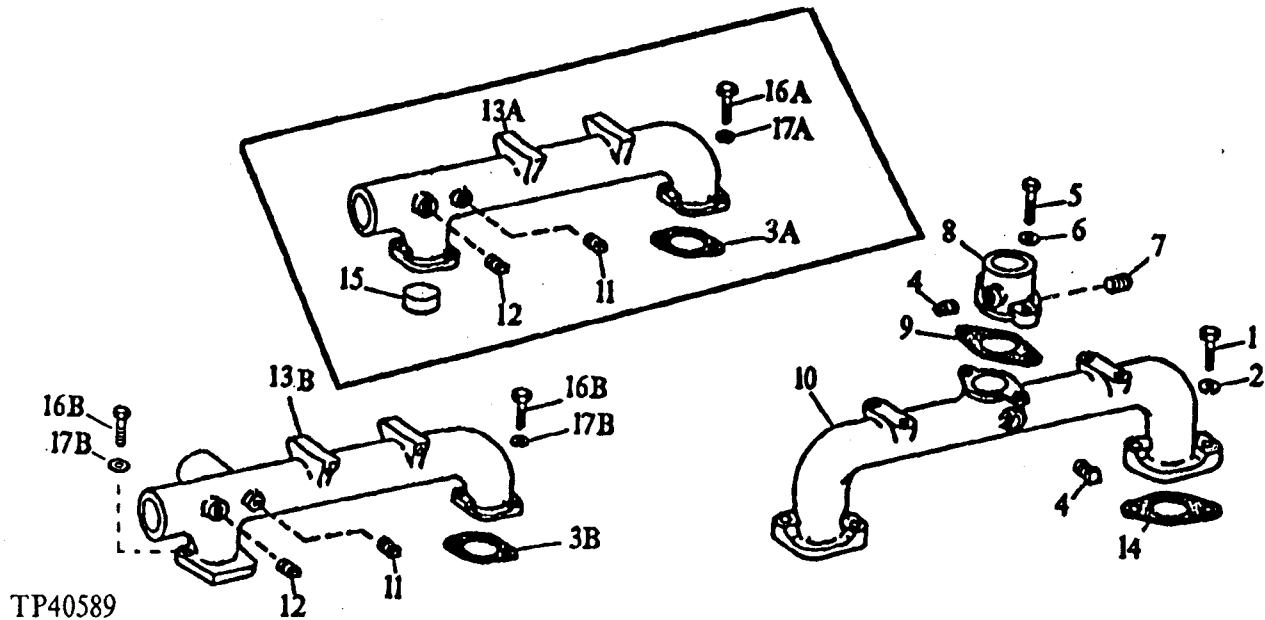
D14

ENGINE 4

INTAKE MANIFOLD 0414

AIR INTAKE
C9DE 1708 AIR INTAKE
CODE 1709 AIR INTAKE
(WITHOUT TURBOCHARGER)

TP40589



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	19H1732	CAP SCREW	4	6 6	3/8" X 1-1/4"
2	12H304	LOCK WASHER	4	0 0	3/8"
3A	R81275	GASKET	2	-XXXXXX	(1709) (SUB FOR T20159) "CKSO"
3B	R81275	GASKET	1	XXXXXX-	(CODE 1709)
4	15H255	PIPE PLUG	2		3/8", (CODE 1708)
5	19H3411	BOLT	2		3/8" X 1-1/8", (CODE 1708)
6	24H1303	WASHER	2		13/32" X 11/16" X 0.065", (CODE 1708)
7	R104592	PIPE PLUG	1		
8	T31948	AIR INTAKE	1		(CODE 1708) (SUB FOR T31386)
9	R81275	GASKET	1		(CODE 1708)
10	R107728	INTAKE MANIFOLD	1		(CODE 1708) (SUB FOR R56172 AND R100830)
11	R104592	PIPE PLUG	1		(CODE 1709)
12	15H255	PIPE PLUG	1		3/8", (CODE 1709)
13A	R107729	INTAKE MANIFOLD	1	-XXXXXX	(CODE 1709) (SUB FOR R100831)
13B	R110798	INTAKE MANIFOLD	1	XXXXXX-	(CODE 1709) (SUB FOR R107243)
14	R81275	GASKET	2		(CODE 1708)
15	R107708	PLUG	1	-XXXXXX	(CODE 1709)
16A	19H1732	CAP SCREW	2	-XXXXXX	3/8" X 1-1/4", (CODE 1709)
16B	19H1732	CAP SCREW	3	XXXXXX-	3/8" X 1-1/4", (CODE 1709)
17A	12H304	LOCK WASHER	2	-XXXXXX	3/8", (CODE 1709)
17B	12H304	LOCK WASHER	3	XXXXXX-	3/8", (CODE 1709)