

INTRODUCTION AND CUSTOMER INFORMATION

T35527

ACCESSORY CODE PLATE

JOHN DEERE	
CONTROL:	XXXXXXXXXXXXXXXX
BASIC ENGINE	XXXX
OPTION CODES	
XXXX	XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX
XXXX	XXXX XXXX XXXX XXXX
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XXXX	XXXX XXXX XXXX XXXX

T35527

TO ASSIST YOUR JOHN DEERE DEALER IN GIVING YOU PROMPT AND EFFICIENT SERVICE, AN OPTION CODE DECAL IS LOCATED ON THE ROCKER ARM COVER. THIS DECAL WILL IDENTIFY PARTS THAT ARE UNIQUE TO THE ORIGINAL EQUIPMENT MANUFACTURER'S APPLICATION BY OPTION CODES.

BASIC ENGINE CODE: 1041F*OPTION
CODE**DESCRIPTION*

1101	ROCKER ARM COVER, CENTER FILLER
1102	ROCKER ARM COVER, NO FILLER
1200	OIL FILLER COVER
1201	OIL FILLER INLET, MEDIUM LENGTH
1202	OIL FILLER INLET, LONG LENGTH
1203	OIL FILLER INLET, SHORT LENGTH
1301	CRANKSHAFT PULLEY, SINGLE GROVE
1402	FLYWHEEL HOUSING, SAE NO. 2, STARTER FLANGE, SAE NO. 4
1403	FLYWHEEL HOUSING, SAE NO. 3
1404	FLYWHEEL HOUSING, SAE NO. 4
1405	FLYWHEEL HOUSING, SAE NO. 2, STARTER FLANGE, SAE NO. 1
1410	FLYWHEEL HOUSING, SAE NO. 3, (WITH TORQUE CONVERTER)
*1500	NO FLYWHEEL
1501	FLYWHEEL, OVERCENTER CLUTCH
1502	FLYWHEEL, SPRING LOADED CLUTCH
1503	FLYWHEEL, DAMPER-TYPE
1504	FLYWHEEL, 12-INCH (305 MM) SINGLE PLATE
1505	FLYWHEEL, OVERCENTER CLUTCH, 11.5 INCH (292 MM)
1518	FLYWHEEL (WITH TORQUE CONVERTER)
1602	INJECTION SYSTEM, REGULAR GOVERNOR
1603	INJECTION SYSTEM, 3°-5° GOVERNOR
*1700	NO AIR INLET
1701	AIR INTAKE, MEDIUM LENGTH
1702	AIR INTAKE, 10" (254 MM)
1703	AIR INTAKE, SHORT LENGTH
1704	AIR INTAKE, (305 MM) LONG
1709	AIR INTAKE, REAR INLET
*1800	NO AIR CLEANER

BASIC ENGINE CODE: 1041F-CONTINUED

1801	AIR CLEANER, WITHOUT ENCLOSURE
1802	AIR CLEANER, WITH ENCLOSURE
1803	AIR CLEANER, WITH ENCLOSURE
1901	OIL PAN, SIDE, BOTTOM OR REAR DRAIN
1902	OIL PAN, REAR DRAIN
1903	OIL PAN, BOTTOM DRAIN
1904	OIL PAN, CAST IRON, BOTTOM DRAIN
2001	WATER PUMP, STANDARD POSITION
2002	WATER PUMP, HIGH POSITION
2004	WATER PUMP, STANDARD POSITION
2005	WATER PUMP, HIGH POSITION
*2100	NO THERMOSTAT COVER
2101	THERMOSTAT COVER, HORIZONTAL
2102	THERMOSTAT COVER, VERTICAL
*2200	NO THERMOSTAT
2201	THERMOSTAT, 160°F (71°C)
2202	THERMOSTAT, 192°F (89°C)
2203	THERMOSTAT, 205°F (96°C)
2204	THERMOSTAT, 180°F (82°C)
*2400	NO FAN BELTS
2401	FAN BELT, STANDARD POSITION WATER PUMP
2402	FAN BELT, HIGH POSITION WATER PUMP
*2500	NO FAN
2501	FAN BLADE, BLOWER
2502	FAN BLADE, SUCTION
*2700	NO RADIATOR
2701	RADIATOR
*2800	NO EXHAUST MANIFOLD
2801	EXHAUST SYSTEM, REAR DOWN
2802	EXHAUST SYSTEM, REAR VERTICAL
2803	EXHAUST SYSTEM, FRONT VERTICAL
2807	EXHAUST SYSTEM, REAR VERTICAL
*2900	NO VENTILATION SYSTEM
2901	VENT TUBE, R.H.
2902	VENT SYSTEM, FLEXIBLE
2903	VENT TUBE, L.H.
*3000	NO STARTING MOTOR
3001	STARTING SYSTEM, SAE NO. 2 AND NO. 4 FLYWHEEL HOUSING
3002	STARTING MOTOR, SAE NO. 2, SAE NO. 3
3003	STARTING MOTOR, SEALED
3006	STARTING MOTOR, R.H. HEAVY DUTY
*3100	NO ALTERNATOR
3101	ELECTRICAL SYSTEM, 35 AMPERE
3102	ELECTRICAL SYSTEM, 55 AMPERE
3104	ELECTRICAL SYSTEM, 22 AMPERE AND 30 AMPERE
*3200	NO INSTRUMENT PANEL
3201	INSTRUMENT PANEL AND SPEED CONTROLS
3202	INSTRUMENT PANEL AND SPEED CONTROLS
3204	INSTRUMENT PANEL AND SPEED CONTROLS
3208	INSTRUMENT PANEL AND SPEED CONTROLS
*3300	NO TACHOMETER
3301	TACHOMETER

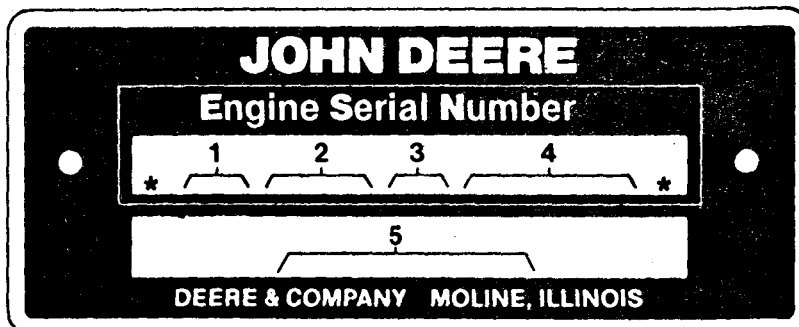
BASIC ENGINE CODE: 1041F-CONTINUED

3302	TACHOMETER
*3400	NO HOURMETER
3401	HOURMETER
3800	NO MANUALS
3801	MANUALS, OPERATORS AND PARTS
*5300	NO ENCLOSURE
5302	FRONT ENCLOSURE
5304	HOOD AND ENCLOSURE
5305	HOOD AND ENCLOSURE WITH SIDE SCREENS
5502	ENGINE STAND
5507	ENGINE STAND
5510	ENGINE STAND
5511	ENGINE STAND
*5800	NO PTO AND CLUTCH
5801	PTO AND CLUTCH 10" (254 MM) SAE NO. 4
5802	PTO AND CLUTCH 10" (254 MM) SAE NO. 4
5803	PTO AND CLUTCH 11.5" (292 MM) SAE NO. 3
5804	PTO AND CLUTCH 11.5" (292 MM) SAE NO. 3
*5900	NO ENGINE OIL COOLER
5901	ENGINE OIL COOLER
5902	ENGINE OIL COOLER
5903	ENGINE OIL COOLER
5904	ENGINE OIL COOLER
6000	NO OIL SIGHT GAUGE
6001	OIL SIGHT GAUGE
6100	NO MUFFLER
6101	MUFFLER WITH COVER

*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.

ENGINE SERIAL NUMBER

TP8011



TP8011

1. DESIGNATES ENGINE MANUFACTURER
2. DESIGNATES NUMBER OF CYLINDERS AND CUBIC INCH DISPLACEMENT.
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
4219 (3588 CM3)

DF - NATURALLY ASPIRATED DIESEL
123456
4219DF

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 GROUP HEADING AND THE EXPLODED VIEW. THE PARTS USED WITH EACH SPECIFIC CODE (SEE EXAMPLE, CODE 1505; KEYS 1, 2, AND 3) HAVE BEEN LISTED UNDER THE HEADING "PARTS USED WITH CODE 1505."

EXAMPLE

KEY	PART NO.	PART NAME	QTY	SERIAL NUMBER	REMARKS
PARTS USED WITH CODE 1505					
1	R42407	CAP SCREW	6		
2	R28811	GEAR	1		
3	AR70168	FLYWHEEL	1		(MARKED R58449)
PARTS USED WITH CODE 1506					
2	R28811	GEAR	1		
4	R40237	CAP SCREW	6		
5	AR81439	FLYWHEEL	1		(MARKED R64796)
PARTS USED WITH CODE 1507					
2	R28811	GEAR	1		
6	T12637	CAP SCREW	6		
7	AR68167	FLYWHEEL	1		(MARKED R56962)

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.)

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.

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 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 COMPLETE REPLACEMENT PARTS ORDER.

SI UNITS OF MEASURE

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

SECTION INDEX

GENERAL INFORMATION	5
ENGINE	10
INTAKE AND EXHAUST SYSTEM	15
SPEED AND CONTROL LINKAGE	20
COOLING SYSTEM	25
FUEL SYSTEM	30
FUEL INJECTION PUMP	35
CLUTCH AND CLUTCH HOUSING	40
ENGINE ACCESSORIES	45
HOOD, GRILLE AND INSTRUMENT PANEL	80
ELECTRICAL WIRING SYSTEM	90
STARTING MOTOR, ALTERNATOR AND REGULATOR	95
ASKET SETS	100
OIL, VALVE STEM LUBRICANT AND STORAGE KIT	105
NUMERICAL INDEX	110

ALPHABETICAL INDEX

GRID		PAGE	GRID		PAGE
A					
B8	ADAPTER, TACHOMETER DRIVE	10- 13	C1	CLEANER, AIR	15- 8
B10	ADAPTER, TACHOMETER DRIVE	10- 14A	E6	CLUTCH	40- 3
B12	ADAPTER, TACHOMETER DRIVE	10- 15	E8	CLUTCH	40- 5
B22	AIR CLEANER	15- 4	E9	CLUTCH	40- 6
B23	AIR CLEANER	15- 5	E11	CLUTCH	40- 8
B24	AIR CLEANER	15- 6	E12	CLUTCH	40- 9
B25	AIR CLEANER	15- 7	E14	CLUTCH	40- 11
C1	AIR CLEANER	15- 8	E15	CLUTCH	40- 12
B23	AIR CLEANER ELEMENT	15- 5	E4	CLUTCH HOUSING, PTO	40- 1
B25	AIR CLEANER ELEMENT	15- 7	E7	CLUTCH HOUSING, PTO	40- 4
B24	AIR CLEANER MOUNTING	15- 6	E10	CLUTCH HOUSING, PTO	40- 7
C1	AIR CLEANER MOUNTING KIT	15- 8	E13	CLUTCH HOUSING, PTO	40- 10
B22	AIR INTAKE HOSE	15- 4	E6	CLUTCH PRESSURE PLATE	40- 3
B24	AIR INTAKE PIPE	15- 6	E9	CLUTCH PRESSURE PLATE	40- 6
G14	ALTERNATOR	95- 14	E12	CLUTCH PRESSURE PLATE	40- 9
G15	ALTERNATOR	95- 15	E15	CLUTCH PRESSURE PLATE	40- 12
G16	ALTERNATOR	95- 16	G1	COIL, STARTING MOTOR	95- 4
G17	ALTERNATOR	95- 17	G3	COIL, STARTING MOTOR	95- 6
G18	ALTERNATOR	95- 18	G6	COIL, STARTING MOTOR	95- 9
G19	ALTERNATOR	95- 19	G13	COIL, STARTING MOTOR	95- 13
G20	ALTERNATOR	95- 20	G7	COMMUTATOR, STARTING MOTOR	95- 10
F10	AMMETER GAUGE	90- 6	H3	CONDITIONER, COOLANT	105- 2
F11	AMMETER GAUGE	90- 7	A20	CONNECTING ROD BEARINGS	10- 4
G1	ARMATURE, STARTING MOTOR	95- 4	A20	CONNECTING RODS	10- 4
G5	ARMATURE, STARTING MOTOR DRIVE	95- 8	H3	COOLANT CONDITIONER	105- 2
A22	ARMS, ROCKER	10- 6	C16	COOLER, OIL	25- 8A
A17	ASSEMBLY, SHORT BLOCK	10- 1B	C17	COOLER, OIL	25- 9
D17	AUTOMATIC ADVANCE, FUEL INJECTION PUMP	35- 7	G10	COVER KIT, STARTER SOLENOID SWITCH	95- 11B
D25	AUTOMATIC ADVANCE, FUEL INJECTION PUMP	35- 15	D19	COVER, GOVERNOR	35- 9
B			D11	COVER, GOVERNOR HOUSING	35- 1
A21	BALANCER SHAFT, ENGINE	10- 5	B18	COVER, INJECTION PUMP GEAR	10- 21
A24	BEARING, MAIN	10- 8	E24	COVER, INSTRUMENT PANEL	80- 7
E8	BEARING, RELEASE, PTO	40- 5	E19	COVER, MOTOR, FRONT	80- 2
E11	BEARING, RELEASE, PTO	40- 8	E20	COVER, MOTOR, REAR	80- 3
E14	BEARING, RELEASE, PTO	40- 11	C2	COVER, MUFFLER	15- 9
A20	BEARINGS, CONNECTING ROD	10- 4	B16	COVER, OIL FILLER INLET	10- 19
C19	BELT, FAN	25- 11	A25	COVER, OIL PUMP	10- 9
C18	BLADE, FAN	25- 10	E19	COVER, RADIATOR	80- 2
A17	BLOCK, CYLINDER	10- 1B	B14	COVER, ROCKER ARM	10- 17
C21	BRACE, RADIATOR	25- 13	E19	COVER, SIDE	80- 2
F3	BRACKET, INSTRUMENT PANEL	80- 10	B18	COVER, TIMING GEAR	10- 21
F4	BRACKET, INSTRUMENT PANEL	80- 11	A23	CRANKSHAFT	10- 7
C23	BRACKET, RADIATOR	25- 15	A23	CRANKSHAFT GEAR	10- 7
G3	BRUSHES, STARTING MOTOR	95- 6	A23	CRANKSHAFT LOWER IDLER GEAR	10- 7
G13	BRUSHES, STARTING MOTOR	95- 13	A23	CRANKSHAFT PULLEY	10- 7
C			A23	CRANKSHAFT UPPER IDLER GEAR	10- 7
C5	CABLE, THROTTLE CONTROL	20- 1	A17	CYLINDER BLOCK	10- 1B
C6	CABLE, THROTTLE CONTROL	20- 2	A21	CYLINDER HEAD	10- 5
A22	CAMSHAFT	10- 6	A21	CYLINDER HEAD GASKET	10- 5
A22	CAMSHAFT GEAR	10- 6	A19	CYLINDER LINERS	10- 3
A24	CAP, MAIN BEARING	10- 8	D		
B14	CAP, OIL FILLER	10- 17	A19	DIPSTICK	10- 3
B17	CAP, OIL FILLER	10- 20	G12	DRIVE MOTOR, STARTING	95- 12
C20	CAP, RADIATOR	25- 12	D12	DRIVE SHAFT, FUEL INJECTION PUMP	35- 2
C23	CAP, RADIATOR	25- 15	D20	DRIVE SHAFT, FUEL INJECTION PUMP	35- 10
B22	CLEANER, AIR	15- 4	E5	DRIVE SHAFT, PTO	40- 2
B23	CLEANER, AIR	15- 5	E8	DRIVE SHAFT, PTO	40- 5
B24	CLEANER, AIR	15- 6	E11	DRIVE SHAFT, PTO	40- 8
B25	CLEANER, AIR	15- 7	E14	DRIVE SHAFT, PTO	40- 11
			F25	DRIVE, STARTING MOTOR	95- 3
			G2	DRIVE, STARTING MOTOR	95- 5

ALPHABETICAL INDEX - CONTINUED

GRID		PAGE	GRID		PAGE
E					
D18	ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	35- 8	D15	FUEL INJECTION PUMP GOVERNOR	35- 5
E1	ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	35- 16	D23	FUEL INJECTION PUMP GOVERNOR	35- 13
B23	ELEMENT, AIR CLEANER	15- 5	D13	FUEL INJECTION PUMP HEAD	35- 3
B25	ELEMENT, AIR CLEANER	15- 7	D21	FUEL INJECTION PUMP HEAD	35- 11
E22	ENCLOSURE, FRONT	80- 5	D11	FUEL INJECTION PUMP HOUSING	35- 1
F2	ENCLOSURE, HOOD AND SIDE SCREEN	80- 9	D12	FUEL INJECTION PUMP HOUSING	35- 2
E19	ENCLOSURE, REAR	80- 2	D19	FUEL INJECTION PUMP HOUSING	35- 9
E20	ENCLOSURE, REAR	80- 3	D20	FUEL INJECTION PUMP HOUSING	35- 10
E24	ENCLOSURE, REAR COVER AND PANEL	80- 7	D16	FUEL INJECTION PUMP LINKAGE	35- 6
A21	ENGINE BALANCER SHAFT	10- 5	D24	FUEL INJECTION PUMP LINKAGE	35- 14
E19	ENGINE COVER, FRONT	80- 2	D13	FUEL INJECTION PUMP ROTOR	35- 3
B6	ENGINE FLYWHEEL	10- 12A	D21	FUEL INJECTION PUMP ROTOR	35- 11
A18	ENGINE FRONT PLATE	10- 2	D9	FUEL INJECTION SYSTEM	30- 7
E19	ENGINE HOOD	80- 2	D14	FUEL INJECTION TRANSFER PUMP	35- 4
E17	ENGINE MOUNTS	45- 1	D22	FUEL INJECTION TRANSFER PUMP	35- 12
H3	ENGINE OIL	105- 2	D3	FUEL PUMP TO FUEL FILTER LINE	30- 2
A19	ENGINE OIL FILTER AND DIPSTICK	10- 3	D2	FUEL TRANSFER PUMP	30- 1
B1	ENGINE OIL PAN	10- 10	G		
B2	ENGINE OIL PAN	10- 11	G24	GASKET SET, ENGINE OVERHAUL	100- 3
G24	ENGINE OVERHAUL GASKET SET	100- 3	G22	GASKET SET, ENGINE TUNE-UP	100- 1
C5	ENGINE SPEED CONTROL	20- 1	A21	GASKET, CYLINDER HEAD	10- 5
C6	ENGINE SPEED CONTROL CABLE	20- 2	B8	GASKET, FLYWHEEL HOUSING	10- 13
C8	ENGINE THERMOSTAT	25- 2	B10	GASKET, FLYWHEEL HOUSING	10- 14
G22	ENGINE TUNE-UP GASKET SET	100- 1	B12	GASKET, FLYWHEEL HOUSING	10- 15
H2	ENGINE VALVE STEM LUBRICANT	105- 1	C2	GASKET, MUFFLER	15- 9
B15	ENGINE VENTILATING SYSTEM	10- 18	B14	GASKET, OIL FILLER CAP	10- 17
F7	ENGINE WIRING HARNESS	90- 3	B17	GASKET, OIL FILLER CAP	10- 20
F9	ENGINE WIRING HARNESS	90- 5	B16	GASKET, OIL FILLER INLET COVER	10- 18
C3	EXHAUST MANIFOLD	15- 10	B1	GASKET, OIL PAN	10- 10
A22	EXHAUST VALVE	10- 6	B2	GASKET, OIL PAN	10- 11
F			B14	GASKET, ROCKER ARM COVER	10- 17
C19	FAN BELT	25- 11	F17	GASKET, TACHOMETER	90- 13
C18	FAN BLADE	25- 10	B18	GASKET, TIMING GEAR COVER	10- 2
C21	FAN SHROUD	25- 13	F10	GAUGE, AMMETER	90- 6
D3	FILTER, FUEL	30- 2	F11	GAUGE, AMMETER	90- 7
A19	FILTER, OIL	10- 3	F12	GAUGE, OIL PRESSURE	90- 8
B8	FLYWHEEL HOUSING	10- 13	F13	GAUGE, OIL PRESSURE	90- 9
B10	FLYWHEEL HOUSING	10- 14A	B4	GAUGE, OIL SIGHT	10- 1
B11	FLYWHEEL HOUSING	10- 14B	F10	GAUGE, TEMPERATURE	90- 6
B12	FLYWHEEL HOUSING	10- 15	F11	GAUGE, TEMPERATURE	90- 7
B8	FLYWHEEL HOUSING GASKET	10- 13	A22	GEAR, CAMSHAFT	10- 6
B10	FLYWHEEL HOUSING GASKET	10- 14A	A23	GEAR, CRANKSHAFT	10- 7
B6	FLYWHEEL, ENGINE	10- 12A	A23	GEAR, CRANKSHAFT LOWER IDLER	10- 7
G7	FRAME, STARTING MOTOR	95- 10	A23	GEAR, CRANKSHAFT UPPER IDLER	10- 7
E22	FRONT ENCLOSURE	80- 5	D19	GOVERNOR COVER	35- 9
E19	FRONT MOTOR COVER	80- 2	D11	GOVERNOR HOUSING COVER	35- 1
A18	FRONT PLATE, ENGINE	10- 2	D15	GOVERNOR, FUEL INJECTION PUMP	35- 5
D3	FUEL FILTER	30- 2	D23	GOVERNOR, FUEL INJECTION PUMP	35- 1
D3	FUEL FILTER TO FUEL INJECTION PUMP LINE	30- 2	E19	GRILLE	80- 2
D7	FUEL INJECTION LINE	30- 5	H		
D9	FUEL INJECTION LINES	30- 7	A21	HEAD, CYLINDER	10- 5
D4	FUEL INJECTION NOZZLE	30- 3	D13	HEAD, FUEL INJECTION PUMP	35- 3
D5	FUEL INJECTION NOZZLE	30- 3A	D21	HEAD, FUEL INJECTION PUMP	35- 1
D7	FUEL INJECTION NOZZLE	30- 5	E19	HOOD AND FRONT MOTOR COVER	80- 2
D7	FUEL INJECTION PUMP	30- 5	F2	HOOD AND SIDE SCREEN ENCLOSURE	80- 9
D9	FUEL INJECTION PUMP	30- 7	B22	HOSE, AIR INTAKE	15- 4
D17	FUEL INJECTION PUMP AUTOMATIC ADVANCE	35- 7	C20	HOSE, RADIATOR	25- 1
D25	FUEL INJECTION PUMP AUTOMATIC ADVANCE	35- 15	F10	HOSE, RADIATOR	25- 1
D12	FUEL INJECTION PUMP DRIVE SHAFT	35- 2	F18	HOSE, RADIATOR	25- 1
D20	FUEL INJECTION PUMP DRIVE SHAFT	35- 10	E4	HOUSING, CLUTCH, PTO	40- 1
D18	FUEL INJECTION PUMP ELECTRIC SHUT-OFF	35- 8	E7	HOUSING, CLUTCH, PTO	40- 4
E1	FUEL INJECTION PUMP ELECTRIC SHUT-OFF	35- 16			

ALPHABETICAL INDEX - CONTINUED

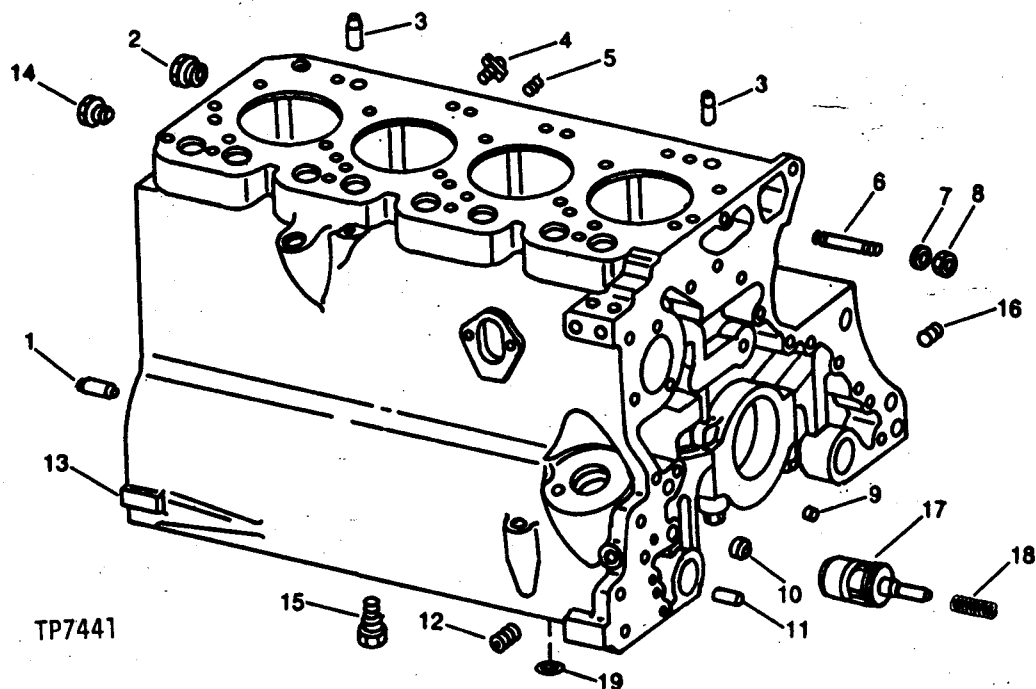
GRID		PAGE	GRID		PAGE
E10	HOUSING, CLUTCH, PTO	40- 7	F18	METER, HOUR	90- 14
E13	HOUSING, CLUTCH, PTO	40- 10	E19	MOTOR COVER, FRONT	80- 2
B8	HOUSING, FLYWHEEL	10- 13	E19	MOTOR HOOD	80- 2
B10	HOUSING, FLYWHEEL	10- 14A	C5	MOTOR SPEED CONTROL CABLE	20- 1
B11	HOUSING, FLYWHEEL	10- 14B	C6	MOTOR SPEED CONTROL CABLE	20- 2
B12	HOUSING, FLYWHEEL	10- 15	G12	MOTOR, DRIVE, STARTING	95- 12
D11	HOUSING, FUEL INJECTION PUMP	35- 1	F23	MOTOR, STARTING	95- 1
D12	HOUSING, FUEL INJECTION PUMP	35- 2	F24	MOTOR, STARTING	95- 2
D19	HOUSING, FUEL INJECTION PUMP	35- 9	G4	MOTOR, STARTING	95- 7
D20	HOUSING, FUEL INJECTION PUMP	35- 10	G12	MOTOR, STARTING	95- 12
A25	HOUSING, OIL PUMP	10- 9	G13	MOTOR, STARTING	95- 13
G1	HOUSING, STARTING MOTOR	95- 4	C1	MOUNTING KIT, AIR CLEANER	15- 8
G3	HOUSING, STARTING MOTOR	95- 6	B24	MOUNTING, AIR CLEANER	15- 6
G13	HOUSING, STARTING MOTOR	95- 13	C21	MOUNTING, RADIATOR	25- 13
G5	HOUSING, STARTING MOTOR DRIVE	95- 8	E17	MOUNTS, ENGINE	45- 1
C9	HOUSING, THERMOSTAT	25- 3	C2	MUFFLER	15- 9
I			C2	MUFFLER COVER	15- 9
B18	INJECTION PUMP GEAR COVER	10- 21	C2	MUFFLER GASKET	15- 9
F3	INSTRUMENT PANEL	80- 10	N		
F4	INSTRUMENT PANEL	80- 11	D4	NOZZLE, FUEL INJECTION	30- 3
F13	INSTRUMENT PANEL	90- 9	D5	NOZZLE, FUEL INJECTION	30- 3A
F3	INSTRUMENT PANEL BRACKET	80- 10	D7	NOZZLE, FUEL INJECTION	30- 5
F4	INSTRUMENT PANEL BRACKET	80- 11	O		
E24	INSTRUMENT PANEL COVER	80- 7	C16	OIL COOLER	25- 8A
F15	INSTRUMENT PANEL KIT	90- 11	C17	OIL COOLER	25- 9
F7	INSTRUMENT WIRING	90- 3	B14	OIL FILLER CAP	10- 17
F9	INSTRUMENT WIRING	90- 5	B17	OIL FILLER CAP	10- 20
A22	INTAKE VALVE	10- 6	B14	OIL FILLER CAP GASKET	10- 17
K			B17	OIL FILLER CAP GASKET	10- 20
F15	KIT, INSTRUMENT PANEL	90- 11	B16	OIL FILLER INLET COVER	10- 19
F20	KIT, LEAD WIRE	90- 17	B16	OIL FILLER INLET COVER GASKET	10- 19
C23	KIT, RADIATOR	25- 15	A19	OIL FILTER	10- 3
H2	KIT, STORAGE	105- 1	B1	OIL PAN GASKET	10- 10
C10	KIT, WATER PUMP REPAIR	25- 4	B2	OIL PAN GASKET	10- 11
C11	KIT, WATER PUMP REPAIR	25- 5	B18	OIL PRESSURE CONTROL VALVE	10- 21
C12	KIT, WATER PUMP REPAIR	25- 6	F12	OIL PRESSURE GAUGE	90- 8
C13	KIT, WATER PUMP REPAIR	25- 6A	F13	OIL PRESSURE GAUGE	90- 9
C14	KIT, WATER PUMP REPAIR	25- 7	A25	OIL PUMP COVER	10- 9
L			A25	OIL PUMP HOUSING	10- 9
F20	LEAD WIRE KIT	90- 17	B4	OIL SIGHT GAUGE	10- 11B
H3	LEAK, STOP	105- 2	H3	OIL, ENGINE	105- 2
D3	LINE, FILTER TO FUEL INJECTION PUMP	30- 2	P		
D7	LINE, FUEL INJECTION	30- 5	B1	PAN, ENGINE OIL	10- 10
D3	LINE, FUEL PUMP TO FUEL FILTER	30- 2	B2	PAN, ENGINE OIL	10- 11
A19	LINERS, CYLINDER	10- 3	F3	PANEL, INSTRUMENT	80- 10
D9	LINES, FUEL INJECTION	30- 7	F4	PANEL, INSTRUMENT	80- 11
D16	LINKAGE, FUEL INJECTION PUMP	35- 6	F13	PANEL, INSTRUMENT	90- 9
D24	LINKAGE, FUEL INJECTION PUMP	35- 14	B8	PINION, TACHOMETER DRIVE	10- 13
H2	LUBRICANT, ENGINE VALVE STEM	105- 1	B10	PINION, TACHOMETER DRIVE	10- 14A
M			B12	PINION, TACHOMETER DRIVE	10- 15
A24	MAIN BEARING	10- 8	B24	PIPE, AIR INTAKE	15- 6
A24	MAIN BEARING CAP	10- 8	A20	PISTON RINGS	10- 4
G6	MAIN FRAME, STARTING MOTOR	95- 9	A20	PISTONS	10- 4
C3	MANIFOLD, EXHAUST	15- 10	A18	PLATE, ENGINE FRONT	10- 2
F10	METER, HOUR	90- 6	E6	PLATE, PRESSURE, CLUTCH	40- 3
			E9	PLATE, PRESSURE, CLUTCH	40- 6
			E12	PLATE, PRESSURE, CLUTCH	40- 9
			E15	PLATE, PRESSURE, CLUTCH	40- 12

ALPHABETICAL INDEX - CONTINUED

GRID		PAGE	GRID	PAGE
	T			
F16	TACHOMETER	90- 12		
F17	TACHOMETER	90- 13		
B8	TACHOMETER DRIVE ADAPTER	10- 13		
B10	TACHOMETER DRIVE ADAPTER	10- 14A		
B12	TACHOMETER DRIVE ADAPTER	10- 15		
B8	TACHOMETER DRIVE PINION	10- 13		
B10	TACHOMETER DRIVE PINION	10- 14A		
A22	TAPPET	10- 6		
F10	TEMPERATURE GAUGE	90- 6		
F11	TEMPERATURE GAUGE	90- 7		
C9	THERMOSTAT HOUSING	25- 3		
C8	THERMOSTAT, ENGINE	25- 2		
C5	THROTTLE CONTROL CABLE	20- 1		
C6	THROTTLE CONTROL CABLE	20- 2		
B18	TIMING GEAR COVER	10- 21		
B18	TIMING GEAR COVER GASKET	10- 21		
D14	TRANSFER PUMP, FUEL INJECTION	35- 4		
D22	TRANSFER PUMP, FUEL INJECTION	35- 12		
B15	TUBE, VENTILATOR	10- 18		
	V			
A22	VALVE INTAKE	10- 6		
A22	VALVE, EXHAUST	10- 6		
B18	VALVE, OIL PRESSURE CONTROL	10- 21		
B15	VENTILATING SYSTEM, ENGINE	10- 18		
B15	VENTILATOR TUBE	10- 18		
G14	VOLTAGE REGULATOR	95- 14		
G15	VOLTAGE REGULATOR	95- 15		
	W			
C10	WATER PUMP	25- 4		
C11	WATER PUMP	25- 5		
C12	WATER PUMP	25- 6		
C14	WATER PUMP	25- 7		
C10	WATER PUMP REPAIR KIT	25- 4		
C11	WATER PUMP REPAIR KIT	25- 5		
C12	WATER PUMP REPAIR KIT	25- 6		
C13	WATER PUMP REPAIR KIT	25- 6A		
C14	WATER PUMP REPAIR KIT	25- 7		
F7	WIRING HARNESS, ENGINE	90- 3		
F9	WIRING HARNESS, ENGINE	90- 5		
F7	WIRING, INSTRUMENT	90- 3		
F9	WIRING, INSTRUMENT	90- 5		

CYLINDER BLOCK

TP7441



TP7441

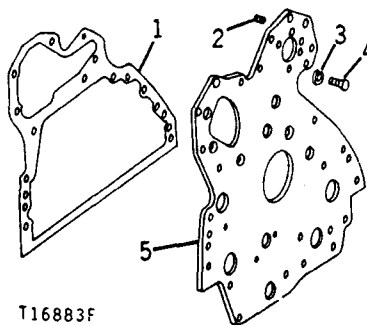
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R48685	DOWEL PIN	2		(SUB FOR A120R)
2	15H665	PIPE PLUG	1		3/4"
3	R26241	DOWEL PIN	2		
4	AT13740	DRAIN VALVE	1		
5	15H275	PIPE PLUG	1		1/4"
6	T25701	STUD	1		
7	12H304	LOCK WASHER	1		3/8"
8	14H812	NUT	1		3/8"
9	T18891	CAP	2		
10	R26493	BUSHING	1		OIL PRESSURE RELIEF VALVE
11	R26650	DOWEL PIN	2		
12	15H255	PIPE PLUG	1		3/8"

CYLINDER BLOCK-CONTINUED

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
13	AR64727	CYLINDER BLOCK	1	-569032	WITH DOWEL PINS, PIPE PLUG, MAIN BEARING CAPS, STUD, NIPPLE, OIL PRESSURE RELIEF VALVE BUSHINGS, WASHERS, CAP SCREWS, PISTON COOLING ORIFICES AND BALANCER SHAFT BUSHINGS, (MARKED R55011 OR R72972) (SUB AR97088, R46625, R73139 AND R73140)
	AR97088	CYLINDER BLOCK	1	569033-	WITH DOWEL PINS, PIPE PLUG, MAIN BEARING CAPS, STUD, NIPPLE, OIL PRESSURE RELIEF VALVE BUSHINGS, WASHERS, CAP SCREWS, PISTON COOLING ORIFICES AND BALANCER SHAFT BUSHINGS, (MARKED R72972)
14	15H665	PIPE PLUG	1		3/4"
15	R54802	ORIFICE	4		
16	15H558	PIPE PLUG	5	380795-	1/8", (SUB FOR RE12310)
17	R73139	RELIEF VALVE	1	569033-	
18	R46625	SPRING	1	569033-	
19	R75892	O-RING	AR		(OIL PUMP TUBE)
	AR64735	SHORT BLOCK ASSEMBLY	1	-569032	(USE WITH SAE NO. 4 FLYWHEEL HOUSING) (ALSO ORDER R59448 CYLINDER HEAD GASKET) WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, PISTONS, CONNECTING RODS, BALANCER SHAFT, CAMSHAFT, CYLINDER LINERS, TAPPETS, PISTON COOLING ORIFICES, PLUGS, SET SCREWS AND OVERHAUL GASKET SET, (SUB AR97103)
	AR97103	SHORT BLOCK ASSEMBLY	1		WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, PISTONS, CONNECTING RODS, BALANCER SHAFT, CAMSHAFT, CYLINDER LINERS, TAPPETS, PISTON COOLING ORIFICES, BYPASS VALVE, BYPASS SPRING, PLUGS, SET SCREWS AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (ALSO ORDER R59448 CYLINDER HEAD GASKET)
	AR64734	SHORT BLOCK ASSEMBLY	1	-569032	WITH CYLINDER BLOCK ASSEMBLY CRANKSHAFT, PISTONS, CONNECTING RODS, BALANCER SHAFT, CAMSHAFT, CYLINDER LINERS, TAPPETS, PISTON COOLING ORIFICES, PLUGS, SET SCREWS AND OVERHAUL GASKET SET (USE WITH SAE NO. 2 AND NO. 3 FLYWHEEL HOUSINGS) (ALSO ORDER R59448 CYLINDER HEAD GASKET) (SUB AR97102)
	AR97102	SHORT BLOCK ASSEMBLY	1		WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, PISTONS, CONNECTING RODS, BALANCER SHAFT, CAMSHAFT, CYLINDER LINERS, TAPPETS, PISTON COOLING ORIFICES, BYPASS VALVE, BYPASS SPRING, PLUGS, SET SCREWS AND OVERHAUL GASKET SET (USE WITH SAE NO. 2 AND NO. 3 FLYWHEEL HOUSINGS) (ALSO ORDER R59448 CYLINDER HEAD GASKET)

ENGINE FRONT PLATE

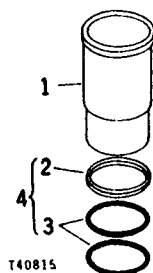
T16883



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T24965	GASKET	1	-569032	(SUB R73140)
	R73140	GASKET	1		
2	AT21191	SET SCREW	5		
	AT22919	SET SCREW	2		
3	12H324	WASHER	5		3/8"
4	T20166	SCREW	5		3/8" X 7/8"
5	R56736	PLATE	1		(ALSO ORDER (5) AT21191 SET SCREWS AND (2) AT22919 SET SCREWS)

CYLINDER LINERS

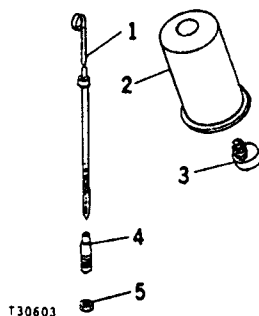
T40815



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T32343	CYLINDER LINER	4		(SUB FOR R57582)
2	R48768	WASHER	4		(UPPER)
3	AR65071	KIT	4		O-RING CYLINDER LINER, (SUB AR71618)
4	AR71618	KIT	4		O-RING CYLINDER LINER
..	AR54749	LUBRICANT	1		(USED FOR CYLINDER LINER PACKING INSTALLATION)

ENGINE OIL FILTER AND DIPSTICK

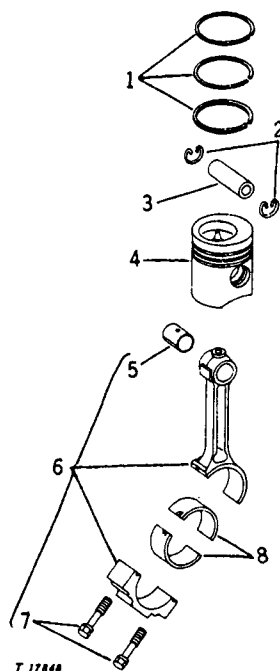
T30603



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT21534	DIPSTICK	1	-557407	
	AR78192	DIPSTICK	1	557408-	
2	T19044	OIL FILTER	1		
3	T23435	THREADED NIPPLE	1		
4	R55299	THREADED NIPPLE	1		
5	14H826	NUT	1		1/2"

PISTONS AND CONNECTING RODS

T17848



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR55759	PISTON RING KIT	4		(A) (B) (SET OF 3 RINGS)
2	M41029	SNAP RING	8		
3	R51731	PISTON PIN	4		
4	AR55984	PISTON	1	-368052	(A)
	AR77762	PISTON	1	368053-	(B)
5	R55647	BUSHING	4		
6	AR55978	CONNECTING ROD	4		
7	T20009	CAP SCREW	8	-530518	(SUB R74194)
	R74194	SCREW	8		
8	AT21138	BEARING	4		STANDARD (SET OF (2) T20011)
	AT21122	BEARING	4		0.05 MM (.002") UNDERSIZE (SET OF (2) T23566)
	AT21124	BEARING	4		0.25 MM (.010") UNDERSIZE (SET OF (2) T23568)
	AT21126	BEARING	4		0.51 MM (.020") UNDERSIZE (SET OF (2) T23570)
	AT21128	BEARING	4		0.76 MM (.030") UNDERSIZE (SET OF (2) T23572)

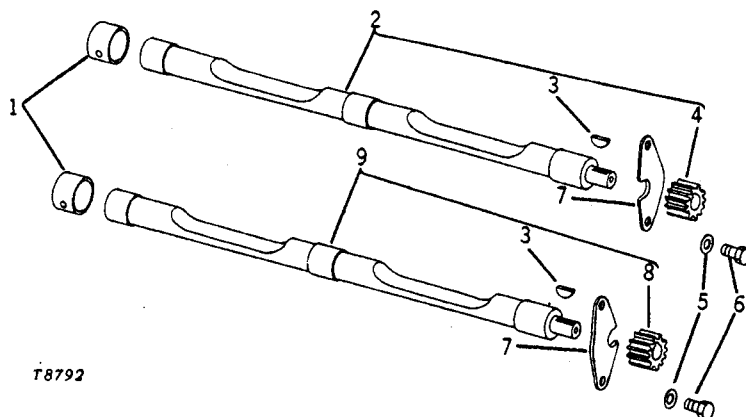
(A) ASSEMBLY LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A) ON THIS PAGE AND T32343 CYLINDER LINER AND AR71618 O-RING KIT (SEE PAGE 10-3):

..	AR71592	PISTON-LINER KIT	1	-368052	(CONTAINS CYLINDER LINER WITH O-RINGS AND PISTON WITH PISTON RINGS)
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(B) ASSEMBLY LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (B) ON THIS PAGE AND T32343 CYLINDER LINER AND AR71618 O-RING KIT (SEE PAGE 10-3):

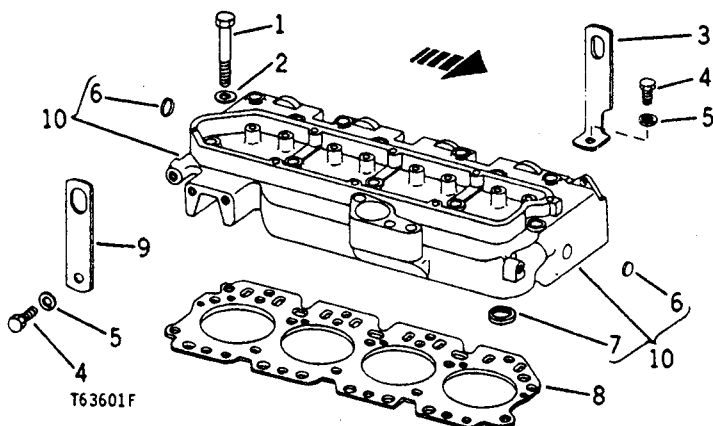
..	AR78041	PISTON-LINER KIT	1	368053-	(CONTAINS CYLINDER LINER WITH O-RINGS AND PISTON WITH PISTON RINGS)
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ENGINE BALANCER SHAFT



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R57160	BUSHING	6		
2	AR61352	SHAFT	1		WITH GEAR, L.H. (MARKED R54054)
3	T28041	SHAFT KEY	2		(SUB FOR 26H72, THIS APPLICATION)
4	T20133	GEAR	1		L.H. (12 TEETH)
5	12H304	LOCK WASHER	4		3/8"
6	19H2021	CAP SCREW	4		3/8" X 5/8"
7	T20193	STOP	2		
8	T20130	GEAR	1		R.H. (12 TEETH)
9	AR61351	SHAFT	1		WITH GEAR, R.H. (MARKED R54054)

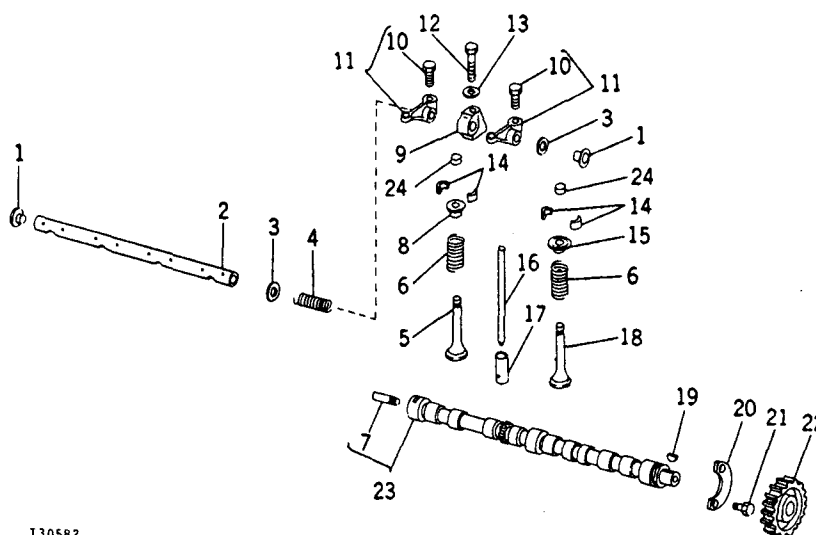
CYLINDER HEAD



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R53223	CAP SCREW	18		1/2" X 4-1/4"
2	T20168	WASHER	18		
3	T26508	STRAP	1		FRONT, ENGINE LIFT
4	19H1792	CAP SCREW	2		1/2" X 1"
5	12H301	LOCK WASHER	2		1/2"
6	A3910R	CAP	2		
7	R51734	INSERT	4		EXHAUST VALVE
8	R59448	GASKET	1		(SUB FOR R52790, THIS APPLICATION)
9	T26509	STRAP	1		REAR, ENGINE LIFT
10	AR62452	CYLINDER HEAD	1		WITH PLUGS AND INSERTS, (MARKED R54560 OR R56790)

CAMSHAFT, ROCKER ARMS AND VALVES

T30582

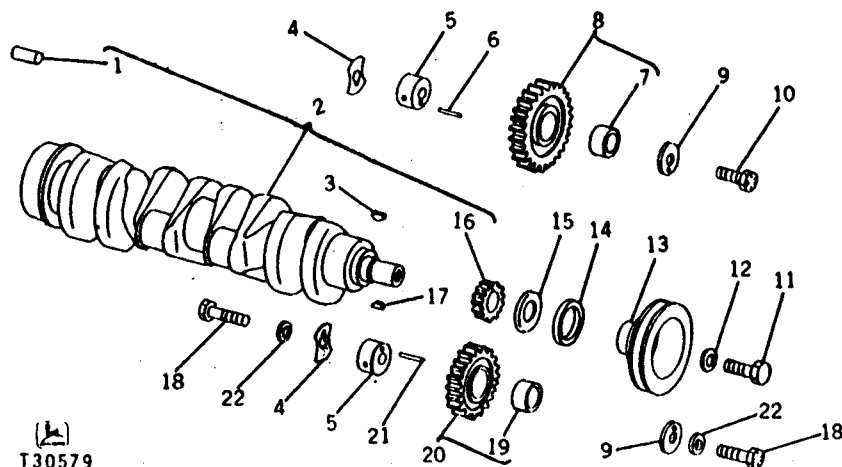


T30582

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R54565	PLUG	2		
2	R54987	SHAFT	1		
3	T20316	WASHER	2		
4	T20314	SPRING	3		
5	R52251	INTAKE VALVE	4		STANDARD STEM
	R57332	INTAKE VALVE	4		0.08 MM (.003") OVERSIZED STEM
	R57334	INTAKE VALVE	4		0.38 MM (.015") OVERSIZED STEM
	R57336	INTAKE VALVE	4		0.76 MM (.030") OVERSIZED STEM
6	R26125	SPRING	8		
7	T20071	DRIVE SHAFT	1	-605629	(USE WITH AT18049 CAMSHAFT)
	T22535	SHAFT	1		(12 TEETH) (USE WITH AT20830 CAMSHAFT)
8	T20176	RETAINER	4		
9	T20315	SUPPORT	4		
10	T32213	SCREW	1		(SUB AR103769)
11	AR103769	KIT	8		(SUB FOR AT31250)
12	19H1733	CAP SCREW	4		3/8" X 2-1/2"
13	R42729	WASHER	4		(SUB FOR T23594)
14	T20077	RETAINER	16		
15	T20176	RETAINER	4		
16	T20310	PUSH ROD	8		
17	T20073	TAPPET	8		
18	R52252	EXHAUST VALVE	4		STANDARD STEM
	R57333	EXHAUST VALVE	4		0.08 MM (.003") OVERSIZED STEM
	R57335	EXHAUST VALVE	4		0.38 MM (.015") OVERSIZED STEM
	R57337	EXHAUST VALVE	4		0.76 MM (.030") OVERSIZED STEM
19	T28041	SHAFT KEY	1		
20	T20072	PLATE	1		
21	19H1731	CAP SCREW	2		3/8" X 1"
22	T20070	GEAR	1		(48 TEETH)
23	AT18049	CAMSHAFT	1	-605629	WITH TACHOMETER DRIVE SHAFT, (MARKED T20013)
	AT20830	CAMSHAFT	1		(USE WITH SAE NO. 4 FLYWHEEL HOUSING)
					WITH TACHOMETER DRIVE GEAR, (MARKED T20013)
					(USE WITH SAE NO. 2, SAE NO. 3 AND SAE NO. 4 FLYWHEEL HOUSINGS)
24	T20129	CAP	8		

**CRANKSHAFT, PULLEY AND IDLER GEARS
CODE 1301 CRANKSHAFT PULLEY, SINGLE GROOVE**

T30579

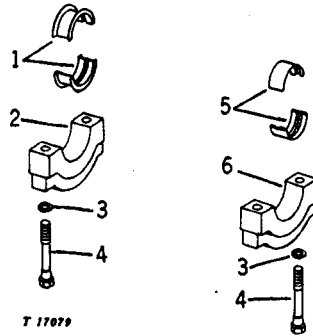


T30579

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T26565	DOWEL PIN	1		
2	AT18030	CRANKSHAFT	1		WITH GEAR, KEY AND DOWEL PIN, (MARKED T23517)
3	26H72	SHAFT KEY	1		
4	T26324	THRUST WASHER	2		
5	T26323	SHAFT	2		
6	34H283	SPRING PIN	1		3/16" X 1-1/8"
7	T20034	BUSHING	1		
8	AR91660	GEAR	1		UPPER IDLER, WITH BUSHING (55 TEETH) (MARKED R70182) (SUB FOR AT18009, THIS APPLICATION) (MARKED T20029)
9	T26326	THRUST WASHER	2		
10	T26327	SCREW	1		
11	19H1721	CAP SCREW	1		1/2" X 1-1/2"
12	T20217	WASHER	1		
13	T24440	PULLEY	1		
	T30069	SHEAVE	1		(2300 RMP)
14	AR67942	SEAL	1		FRONT
15	T20046	OIL SLINGER	1		
16	T20094	GEAR	1		(24 TEETH)
17	T23604	SHAFT KEY	1		
18	T26325	SCREW	2		
19	T26321	BUSHING	1		
20	AT24252	GEAR	1		LOWER IDLER, WITH BUSHING (45 TEETH) (MARKED T26322)
21	34H286	SPRING PIN	1		3/16" X 1-1/2"
22	R42364	WASHER	2		

MAIN BEARING CAP AND BEARINGS

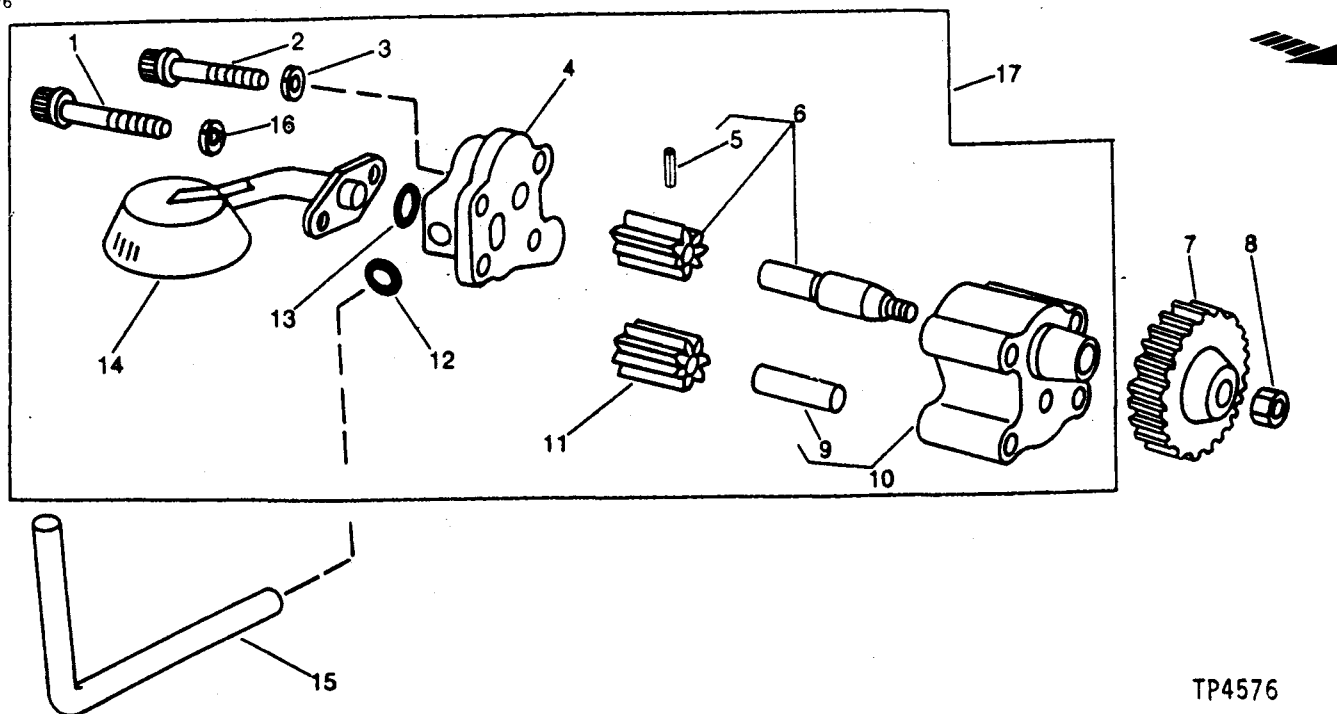
T17079



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT21139	BEARING	1		MAIN STANDARD REAR (SET OF (2) T23215)
	AT21130	BEARING	1		0.05 MM (.002") UNDERSIZE, REAR (SET OF (2) T23574)
	AT21132	BEARING	1		0.25 MM (.010") UNDERSIZE, REAR (SET OF (2) T23576)
	AT21134	BEARING	1		0.51 MM (.020") UNDERSIZE, REAR (SET OF (2) T23578)
	AT21136	BEARING	1		0.76 MM (.030") UNDERSIZE, REAR (SET OF (2) T23580)
2	AT21227	CAP	1	-402787	MAIN, REAR, WITH SHIMS AND SET GAUGE, (SUB R79089)
	R79089	CAP	1		(SUB FOR AR82295)
3	T20168	WASHER	10		
4	T23474	CAP SCREW	10		
5	AT21140	BEARING	4		MAIN, STANDARD, PLAIN (SET OF (2) T23214)
	AT21108	BEARING	4		0.05 MM (.002") UNDERSIZE, PLAIN (SET OF (2) T23552)
	AT21110	BEARING	4		0.25 MM (.010") UNDERSIZE, PLAIN (SET OF (2) T23554)
	AT21112	BEARING	4		0.51 MM (.020") UNDERSIZE, PLAIN (SET OF (2) T23556)
	AT21114	BEARING	4		0.76 MM (.030") UNDERSIZE, PLAIN (SET OF (2) T23558)
6	AT21226	CAP	4	-402787	MAIN, FRONT AND CENTER, WITH SHIMS AND SET GAUGE, (SUB R65215)
	R65215	BEARING CAP	4		(SUB FOR AR82294)

ENGINE OIL PUMP

P4576



TP4576

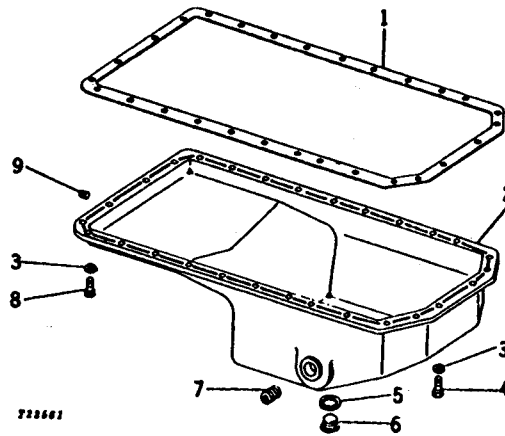
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R74552	CAP SCREW	2		(A) (SUB FOR R59409) (ALSO ORDER R74553)
2	R57059	CAP SCREW	2		
3	12H304	LOCK WASHER	2		3/8"
4	R53382	COVER	1		(A)
5	M3853T	GROOVE PIN	1		3/16" X 7/8"
6	AR62978	PINION	1		WITH GEAR AND PIN
7	T20298	GEAR	1		(33 TEETH)
8	14H826	NUT	1		1/2"
9	T20091	DOWEL PIN	1		
10	AR62979	HOUSING	1		(MARKED R54615)
11	R54614	GEAR	1		(7 TEETH)
12	R74354	O-RING	1		(A) (SUB FOR R27166, THIS APPLICATION)
13	R61871	O-RING	1		(A) (SUB FOR A4730R, THIS APPLICATION)
14	AR60701	SCREEN	1		(A)
15	T20050	OIL TUBE	1		
16	12H304	LOCK WASHER	2		(A) 3/8", (USE WITH R59409)
	R74553	WASHER	2		(A)
17	AR67074	OIL PUMP	1		

A) ASSEMBLY LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A):

AR67670	KIT	1	OIL PUMP PICKUP
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ENGINE OIL PAN
CODE 1901 SHEET METAL OIL PAN, SIDE BOTTOM, OR REAR DRAIN
CODE 1902 SHEET METAL OIL PAN, REAR DRAIN
CODE 1903 SHEET METAL OIL PAN, BOTTOM DRAIN

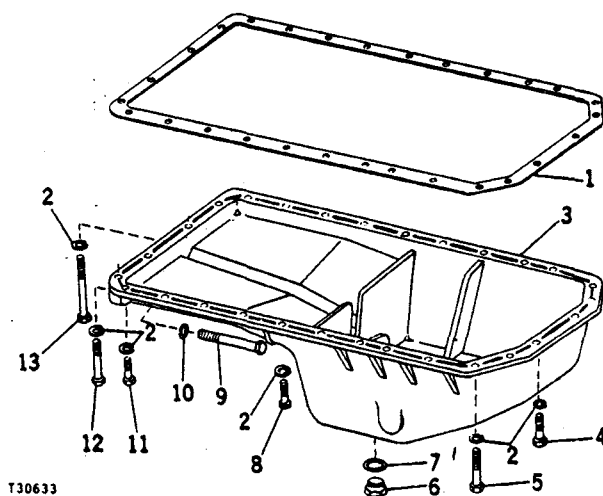
T22561



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T24535	GASKET	1		
2	AR66726	OIL PAN	1		(CODE 1901,1902 AND 1903) (ALSO ORDER T13213, T20098, 15H624 AND 15H665)
3	12H304	LOCK WASHER	28		3/8"
4	19H2284	CAP SCREW	6		3/8" X 7/8"
5	T13213	WASHER	1		
6	T20098	DRAIN PLUG	1		
7	15H665	PIPE PLUG	1		3/4"
8	19H1936	CAP SCREW	22		3/8" X 3/4"
9	15H624	PIPE PLUG	1		1/2"

ENGINE OIL PAN
CODE 1904 CAST IRON OIL PAN, BOTTOM DRAIN

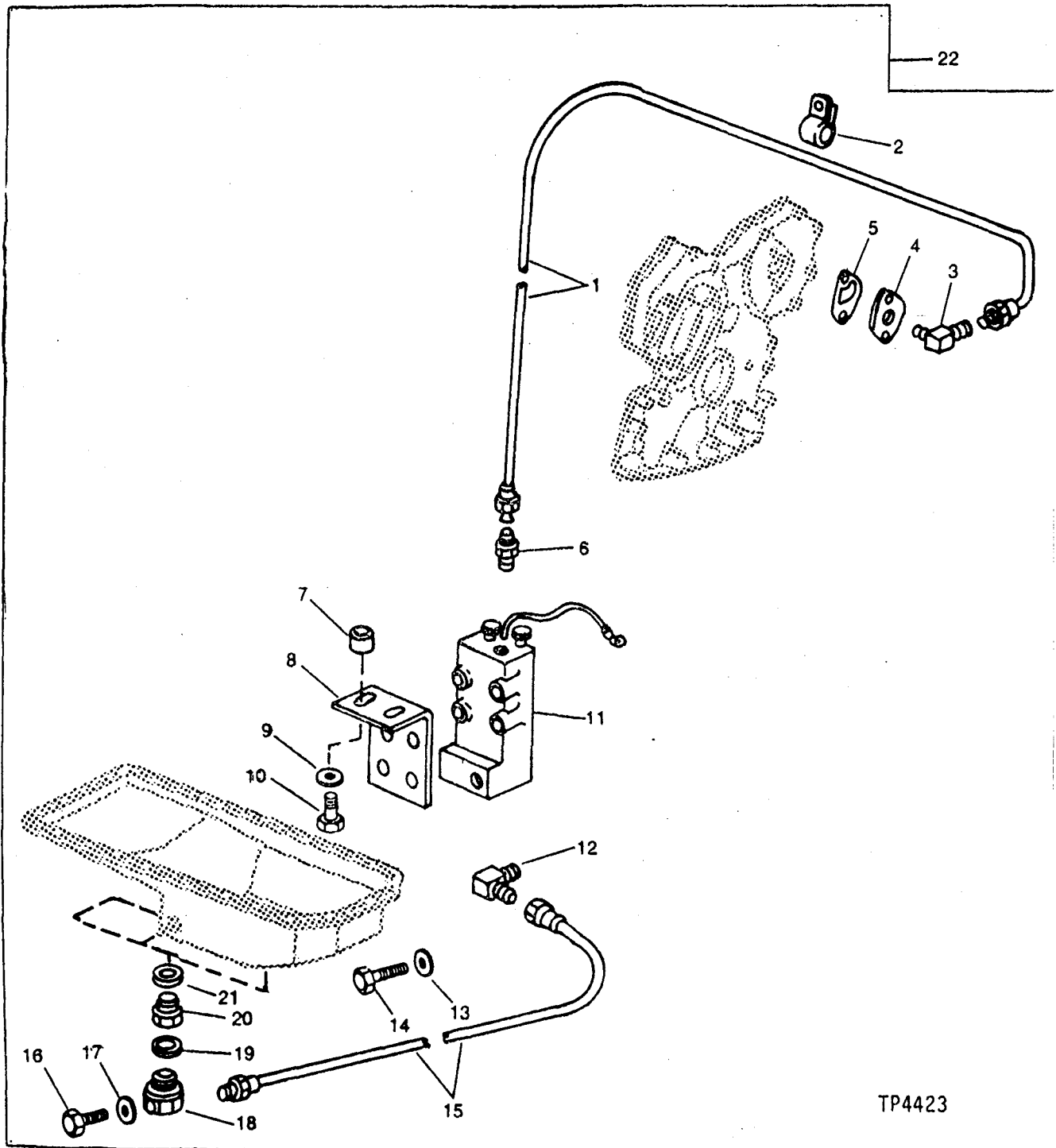
30633



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T22720	GASKET	1		
2	12H304	LOCK WASHER	28		3/8"
3	T20163	OIL PAN	1		
4	19H1800	CAP SCREW	5		3/8" X 1-1/2"
5	19H1801	CAP SCREW	1		3/8" X 2"
6	M1746T	DRAIN PLUG	1		
7	T13213	WASHER	1		
8	19H1732	CAP SCREW	15		3/8" X 1-1/4"
9	19H2726	CAP SCREW	2		5/8" X 4"
10	12H294	LOCK WASHER	2		5/8"
11	19H2545	CAP SCREW	1		3/8" X 1-3/8"
12	19H268	CAP SCREW	2		3/8" X 2-1/2"
13	19H2228	CAP SCREW	2		3/8" X 4"

OIL SIGHT GAUGE
SIGHT GAUGE WITH BRACKET

TP4423



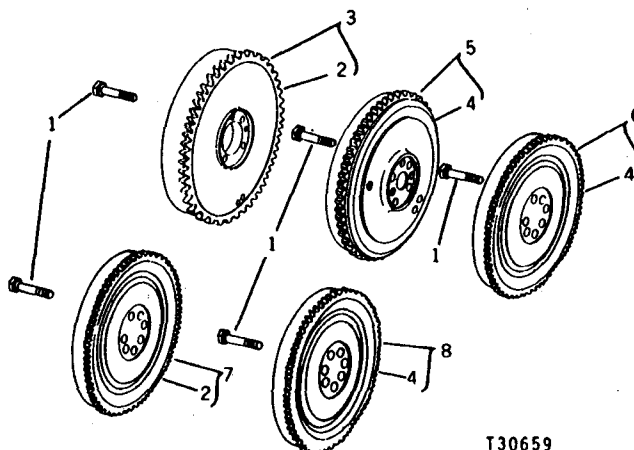
TP4423

OIL SIGHT GAUGE-CONTINUED
CODE 1601 SIGHT GAUGE WITH BRACKET

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR88410	OIL LINE	1		813 MM LONG (1/2" X 32")
2	T14264	CLAMP	2		
3	AR26674	ELBOW	1		
4	R71840	COVER	1		
5	R78366	GASKET	1		(SUB FOR R69260)
6	R27346	FITTING	1		
7	28H1597	WASHER	2		1/2" X 3/8" (WITH SHEET METAL PAN)
8	R71841	BRACKET	1		
9	12H304	LOCK WASHER	2		3/8"
10	19H2545	CAP SCREW	2		3/8" X 1-3/8"
11	AR88409	GAUGE	1		
12	H33925	ELBOW	1		
13	12H302	LOCK WASHER	4		1/4"
14	19H1919	CAP SCREW	4		1/4" X 5/8"
15	AN121772	HYDRAULIC HOSE	1		482 MM LONG (3/4" X 19")
16	R52589	FITTING PLUG	1		
17	R1742R	WASHER	1		
18	R67862	FITTING	1		
19	A4827R	WASHER	1		
20	R71839	ADAPTER	1		WITH SHEET METAL
	R71838	ADAPTER	1		WITH CAST IRON PAN
21	T13213	WASHER	1		
22	AR94514	GAUGE	1		

ENGINE FLYWHEEL
CODE 1501 FLYWHEEL, OVERCENTER CLUTCH, 254 MM (10")
CODE 1502 FLYWHEEL, SPRING LOADED CLUTCH, 305 MM (12")
CODE 1503 FLYWHEEL, DAMPER TYPE CLUTCH
CODE 1504 FLYWHEEL, SINGLE PLATE, 305 MM (12")
CODE 1505 FLYWHEEL, OVERCENTER CLUTCH, 292 MM (11.5")

T30659



T30659

PARTS COMMON TO CODE 1501, 1502, 1504, AND 1505

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H2993	CAP SCREW	4		HS, SAE 8, 1/2" X 1-1/2", (SUB FOR R58253, THIS APPLICATION)

ADDITIONAL PARTS USED WITH CODE 1501

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
2	T20088	GEAR	1		(142 TEETH)
3	AT30260	FLYWHEEL	1		WITH RING GEAR

ADDITIONAL PARTS USED WITH CODE 1502

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
4	R28811	GEAR	1		(129 TEETH)
5	AT25473	FLYWHEEL	1		WITH RING GEAR

ENGINE FLYWHEEL-CONTINUED

CODE 1501 FLYWHEEL, OVERCENTER CLUTCH, 254 MM (10")
CODE 1502 FLYWHEEL, SPRING LOADED CLUTCH, 305 MM (12")
CODE 1503 FLYWHEEL, DAMPER TYPE CLUTCH
CODE 1504 FLYWHEEL, SINGLE PLATE, 305 MM (12")
CODE 1505 FLYWHEEL, OVERCENTER CLUTCH, 292 MM (11.5")

ADDITIONAL PARTS USED WITH CODE 1503

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H2473	CAP SCREW	4		HS, SAE 8, 1/2" X 1-3/4"
4	R28811	GEAR	1		(129 TEETH)
6	RE10027	FLYWHEEL	1		WITH RING GEAR (SUB FOR AT30429)

ADDITIONAL PARTS USED WITH CODE 1504

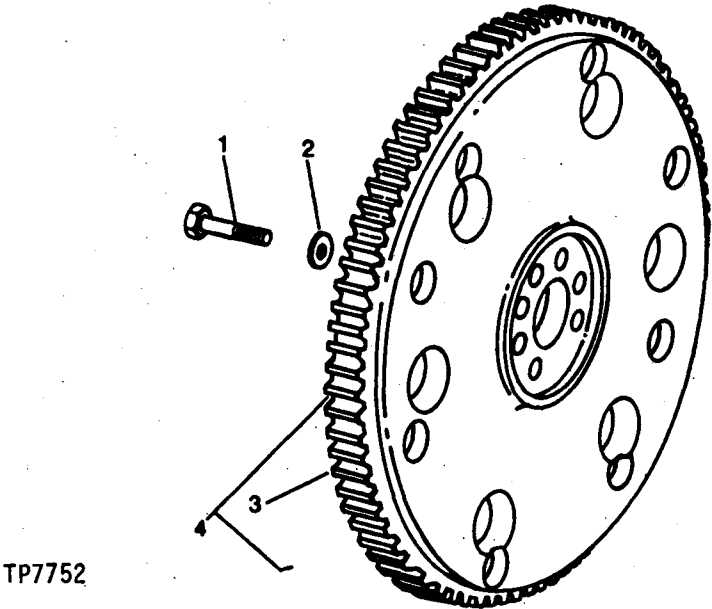
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
2	T20088	GEAR	1		(142 TEETH)
7	AR70361	FLYWHEEL	1	-479142	WITH RING GEAR, (SUB AR85994)
	AR85994	FLYWHEEL	1		WITH RING GEAR

ADDITIONAL PARTS USED WITH CODE 1505

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
4	R28811	GEAR	1		(129 TEETH)
8	AR70612	FLYWHEEL	1		WITH RING GEAR

ENGINE FLYWHEEL
 CODE 1518 FLYWHEEL
 (USE WITH TORQUE CONVERTER)

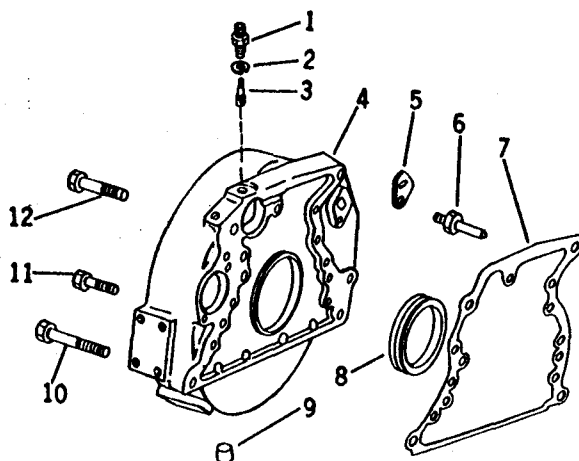
TP7752



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H2993	CAP SCREW	4		HS, SAE 8, 1/2" X 1-1/2"
2	T23891	WASHER	4		
3	R28811	GEAR	1		(129 TEETH)
4	AR104682	FLYWHEEL	1		(MARKED R76740)

FLYWHEEL HOUSING
 CODE 1402 FLYWHEEL HOUSING SAE NO. 2
 (USE WITH SAE NO. 4 STARTER FLANGE)

T54855

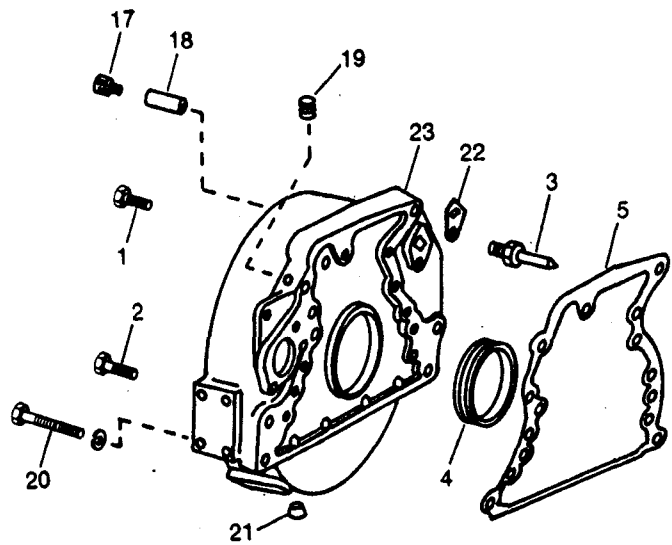
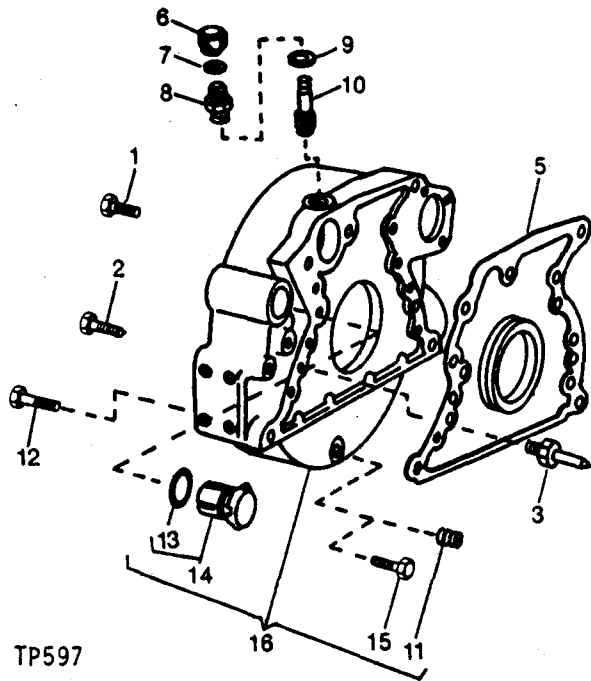


T54855F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T22537	FITTING	1		TACHOMETER DRIVE
2	H1058R	WASHER	1		
3	T22536	GEAR	1		TACHOMETER DRIVE
4	R57611	HOUSING	1		
5	T20089	COVER	1		
6	T20090	SCREW	1		
7	T23596	GASKET	1	-562808	(SUB R70483)
	R70483	GASKET	1		
8	AR92893	SEAL	1		REAR, WITH WEAR RING, (SUB FOR AT22965)
9	T23590	PLUG	1		
10	19H1847	CAP SCREW	2		5/8" X 2-1/2"
11	19H2545	CAP SCREW	8		3/8" X 1-3/8"
12	19H1387	CAP SCREW	2		5/8" X 2-1/4"

FLYWHEEL HOUSING
 CODE 1403 FLYWHEEL HOUSING, SAE NO. 3
 CODE 1404 FLYWHEEL HOUSING, SAE NO. 4

TP597



FLYWHEEL HOUSING-CONTINUED
CODE 1403 FLYWHEEL HOUSING, SAE NO. 3
CODE 1404 FLYWHEEL HOUSING, SAE NO. 4

PARTS COMMON TO CODE 1403 AND 1404

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H2545	CAP SCREW	8		3/8" X 1-3/8"
2	19H1387	CAP SCREW	2		5/8" X 2-1/4"
3	T20090	SCREW	1		
4	AR92893	SEAL	1		OIL, WITH WEAR RING, (SUB FOR AT22965)
5	R49516	GASKET	1		

ADDITIONAL PARTS USED WITH CODE 1403

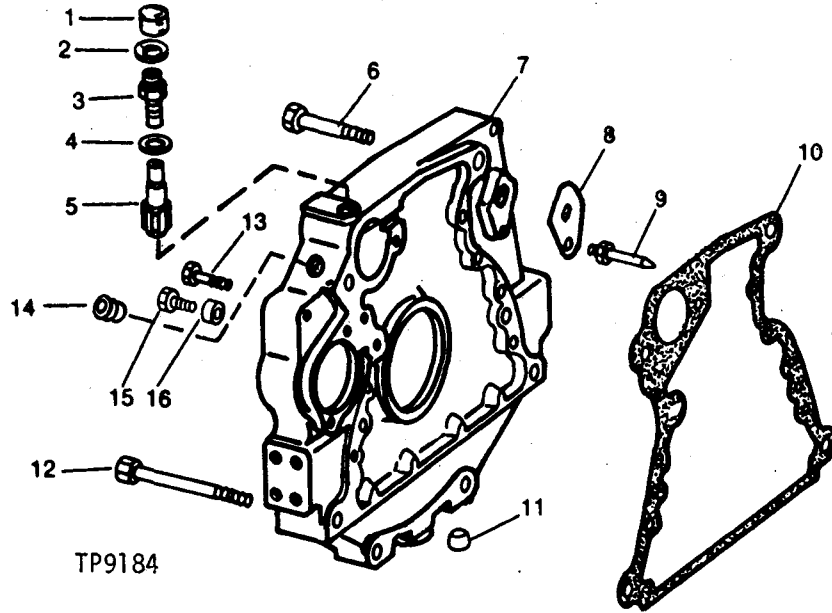
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
6	B3362R	CAP	1		
7	B3285R	WASHER	1		
8	T22537	FITTING	1		
9	H1058R	WASHER	1		
10	T22536	GEAR	1		TACHOMETER
11	15H624	PIPE PLUG	AR		1/2"
12	19H1847	CAP SCREW	2		5/8" X 2-1/2"
13	R27149	O-RING	1		
14	AR61533	PLUG	1		
15	AT63089	DRAIN PLUG	AR		
16	AR89606	HOUSING	1		(MARKED R63192) (SUB FOR R58190)

ADDITIONAL PARTS USED WITH CODE 1404

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
17	22H1035	SET SCREW	1	-605629	5/8" X 1/2"
18	T20461	ADAPTER	1	-605629	TACHOMETER DRIVE
19	R21630	PLUG	1		
20	19H1923	CAP SCREW	2		5/8" X 5-1/2"
21	T23590	PLUG	1		
22	T20089	COVER	1		TIMING HOLE
23	T25114	HOUSING	1	-605629	

FLYWHEEL HOUSING
CODE 1404 FLYWHEEL HOUSING, SAE NO. 4
(SERIAL NO. 605630-)

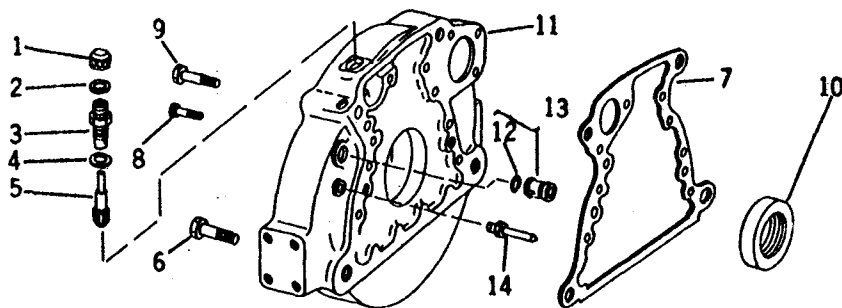
TP9184



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	B3362R	CAP	1		
2	B3285R	WASHER	1		
3	T22537	FITTING	1		
4	H1058R	WASHER	1		
5	T22536	GEAR	1		
6	19H1387	CAP SCREW	1		5/8" X 2-1/4"
7	R73527	HOUSING	1		
8	T20089	COVER	1		
9	T20090	SCREW	1		
10	R70483	GASKET	1		
11	T23590	PLUG	1		
12	19H1923	CAP SCREW	2		5/8" X 5-1/2"
13	19H2545	CAP SCREW	8		3/8" X 1-3/8"
14	R21630	PLUG	1		
15	19H1890	CAP SCREW	1		5/8" X 2-3/4"
16	T43059	BUSHING	1		

FLYWHEEL HOUSING
 CODE 1405 FLYWHEEL HOUSING, SAE NO. 2
 (USE WITH SAE NO. 1 STARTER FLANGE)

52163

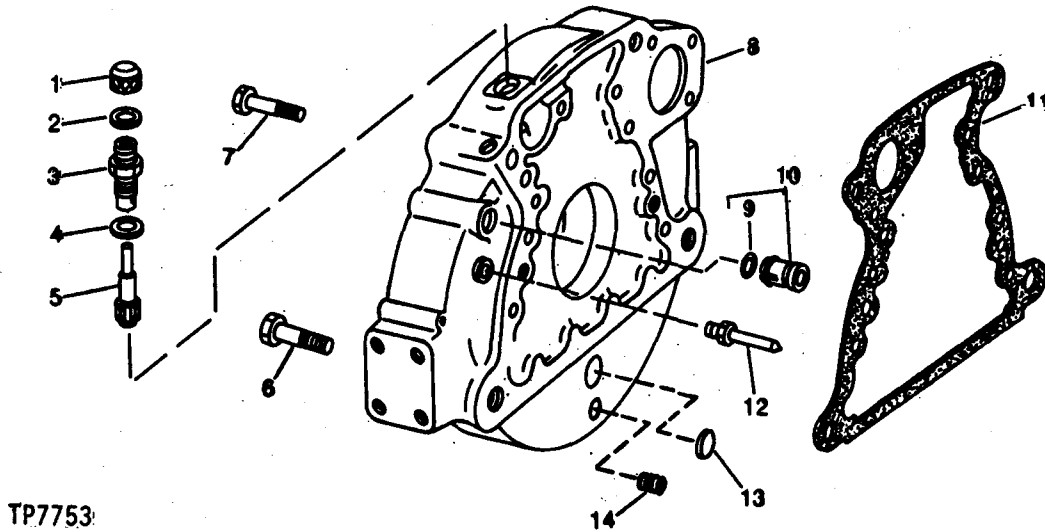


T52163F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	B3362R	CAP	1		
2	B3285R	WASHER	1		
3	T22537	FITTING	1		
4	H1058R	WASHER	1		
5	T22536	GEAR	1		TACHOMETER DRIVE
6	19H1847	CAP SCREW	2		5/8" X 2-1/2"
7	R49516	GASKET	1		
8	19H2545	CAP SCREW	8		3/8" X 1-3/8"
9	19H1387	CAP SCREW	2		5/8" X 2-1/4"
10	AR92893	SEAL	1		OIL, REAR, WITH WEAR RING, (SUB FOR AT22965)
11	R58967	HOUSING	1		
12	R27149	O-RING	1		
13	AR61533	PLUG	1		
14	T20090	SCREW	1		

FLYWHEEL HOUSING
CODE 1410 FLYWHEEL HOUSING, SAE NO. 3
(USE WITH TORQUE CONVERTER)

TP7753

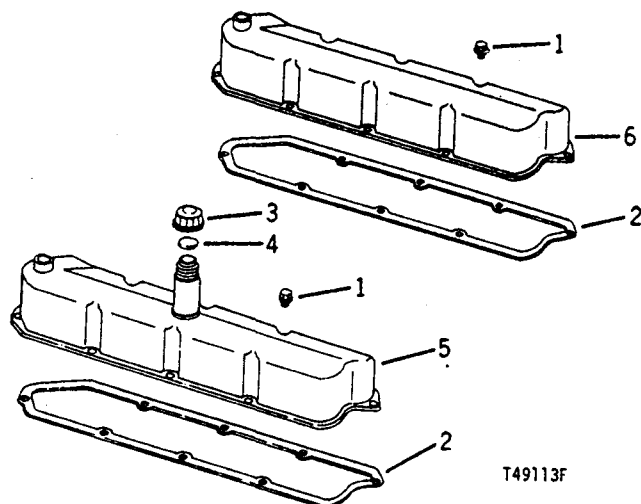


TP7753

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	B3362R	CAP	1		
2	B3285R	WASHER	1		
3	T22537	FITTING	1		
4	H1058R	WASHER	1		
5	T22536	GEAR	1		
6	19H1847	CAP SCREW	4		5/8" X 2-1/2"
7	19H2545	CAP SCREW	8		3/8" X 1-3/8"
8	R76741	HOUSING	1		
9	R27149	O-RING	1		
10	AR61533	PLUG	1		
11	R70483	GASKET	1		
12	T20090	SCREW	1		
13	T13518	CAP	1		
14	15H562	PIPE PLUG	1		1"

ROCKER ARM COVER
CODE 1101 ROCKER ARM COVER, CENTER FILLER
CODE 1102 ROCKER ARM COVER, NO FILLER

T49113

**PARTS COMMON TO CODE 1101 AND 1102**

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR45530	SCREW, WITH WASHER	8	-598042	(SUB AR100124, THIS APPLICATION)
	AR100124	SCREW, WITH WASHER	8	598043-	
2	T20075	GASKET	1	-598042	(SUB AR100596 AND (8) AR100124)
	AR100596	GASKET	1	598043-	

ADDITIONAL PARTS USED WITH CODE 1101

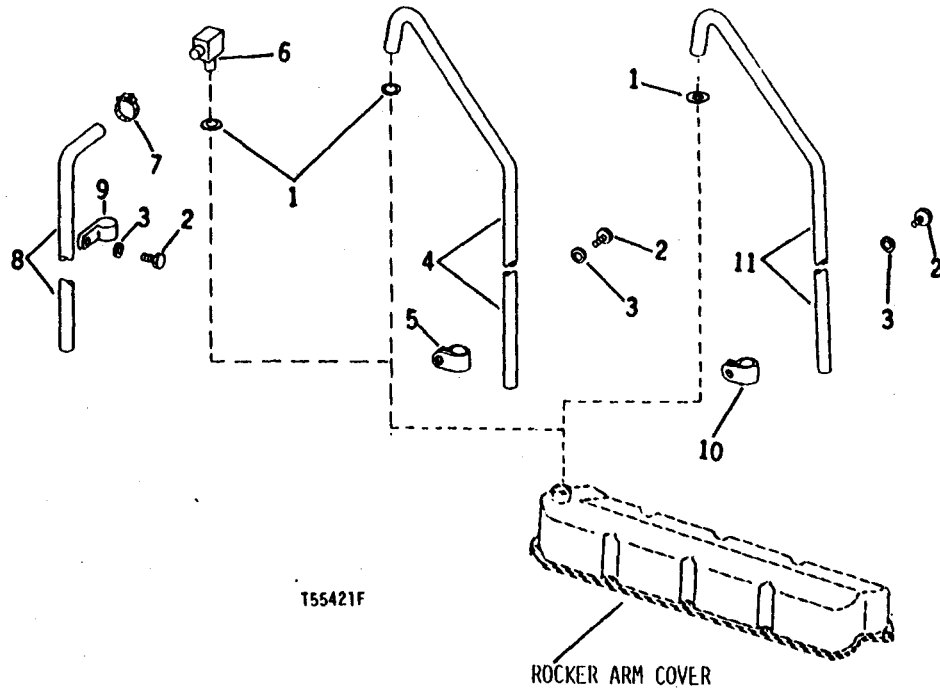
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
3	T20294	FILLER CAP	1		OIL FILLER
4	T20328	GASKET	1		
5	AT30695	COVER	1		

ADDITIONAL PARTS USED WITH CODE 1102

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
6	AT18015	COVER	1		

ENGINE VENTILATING SYSTEM
CODE 2901 VENTILATOR TUBE, R.H.
CODE 2902 VENTILATOR SYSTEM, FLEXIBLE
CODE 2903 VENTILATOR TUBE, L.H.

T55421



PARTS COMMON TO CODE 2901, 2902 AND 2903

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	R56463	O-RING	1		(SUB FOR R495R, THIS APPLICATION)
2	19H2038	CAP SCREW	1		3/8" X 1/2"
3	24H1303	WASHER	1		13/32" X 11/16" X 0.060"

ADDITIONAL PARTS USED WITH CODE 2901

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
4	T28207	TUBE	1		
5	R40791	CLAMP	1		

ADDITIONAL PARTS USED WITH CODE 2902

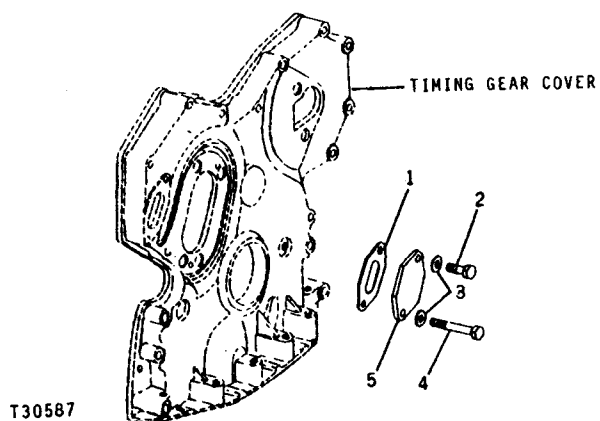
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
6	AT25192	FITTING	1		
7	AR21837	CLAMP	1		
8	H36031	HOSE	1		914 MM LONG (3/4" X 36")
9	A4773R	CLAMP	1		

ADDITIONAL PARTS USED WITH CODE 2903

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
10	R40791	CLAMP	1		
11	T20074	TUBE	1		

**ENGINE OIL FILLER INLET COVER
CODE 1200 OIL FILLER COVER**

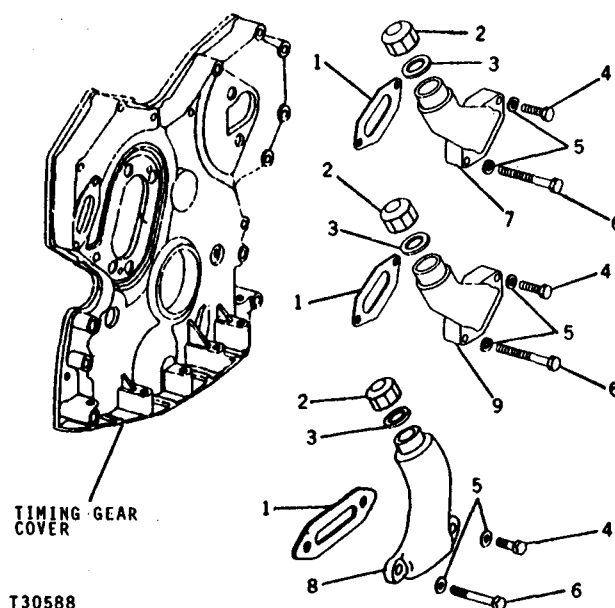
T30587



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20336	GASKET	1		
2	19H2284	CAP SCREW	1		3/8" X 7/8"
3	24H1304	WASHER	2		13/32" X 23/32" X 0.120"
4	19H1726	CAP SCREW	1		3/8" X 2-1/4"
5	T23260	COVER	1		

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

T30588



PARTS COMMON TO CODE 1201, 1202 AND 1203

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20336	GASKET	1		
2	T20294	FILLER CAP	1		
3	T20328	GASKET	1		
4	19H2665	CAP SCREW	1		3/8" X 1-5/8"
5	24H1304	WASHER	2		13/32" X 23/32" X 0.120"
6	19H2128	CAP SCREW	1		3/8" X 3"

ADDITIONAL PARTS USED WITH CODE 1201

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
7	T23614	FILLER NECK	1		

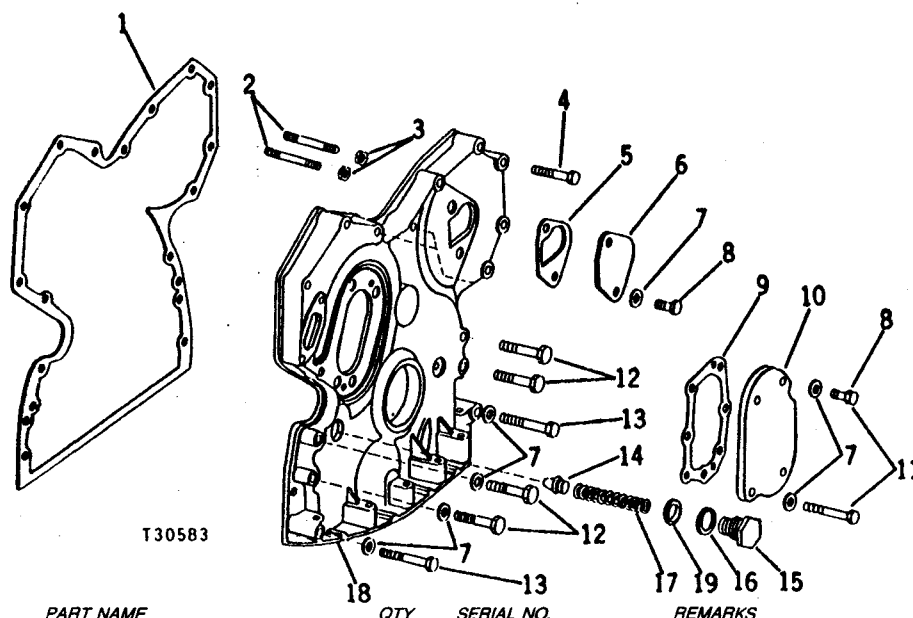
ADDITIONAL PARTS USED WITH CODE 1202

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
8	T24192	FILLER NECK	1		

ADDITIONAL PARTS USED WITH CODE 1203

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
9	T20335	FILLER NECK	1		

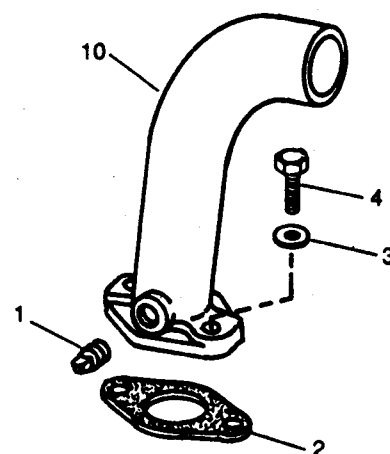
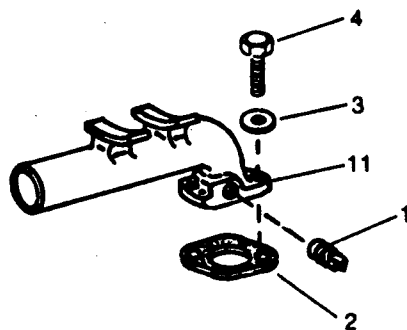
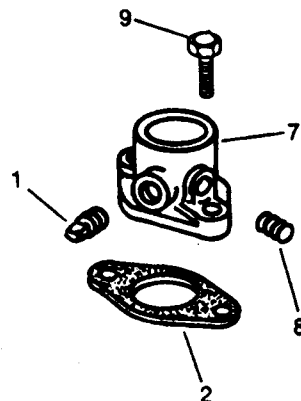
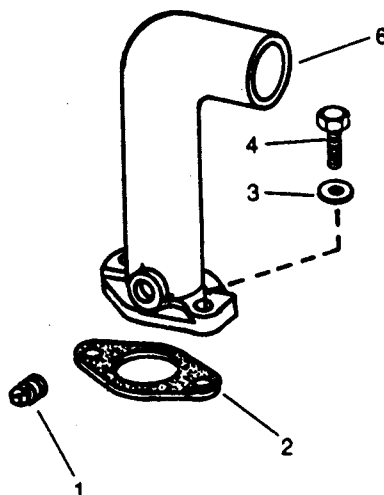
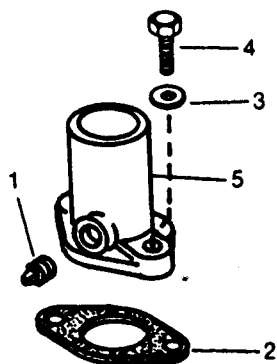
TIMING GEAR COVER



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20155	GASKET	1		
2	T33279	STUD	2		
3	14H812	NUT	2		3/8"
4	19H1801	CAP SCREW	5		3/8" X 2"
5	T20364	GASKET	1	-483159	(SUB R78366)
	R78366	GASKET	1		(SUB FOR R69260)
6	T20362	COVER	1		INJECTION PUMP GEAR
7	24H1304	WASHER	18		13/32" X 23/32" X 0.120"
8	19H2284	CAP SCREW	5		3/8" X 7/8"
9	T20273	GASKET	1		
10	T20272	COVER	1		TIMING GEAR OPENNING
11	19H1726	CAP SCREW	3		3/8" X 2-1/4"
12	19H1801	CAP SCREW	4		3/8" X 2"
13	19H1733	CAP SCREW	2		3/8" X 2-1/2"
14	R51516	VALVE	1		OIL PRESSURE RELIEF
15	T27657	FITTING	1		
16	A4827R	WASHER	1		
17	T27658	SPRING	1		
18	AR58196	COVER	1		TIMING GEAR, WITH INSERTS, (MARKED R52880) (ALSO ORDER T20272, T20273, (3) 19H2284, 19H1726, (3) 24H1304 AND 15H275)
19	24H1290	WASHER	AR		21/64" X 3/4" X 0.036"

AIR INLET
 CODE 1701 AIR INTAKE, MEDIUM LENGTH
 CODE 1702 AIR INTAKE, 254 MM (10") LONG
 CODE 1703 AIR INTAKE, SHORT LENGTH
 CODE 1704 AIR INTAKE, 305 MM (12") LONG
 CODE 1709 AIR INTAKE WITH CLEANER MOUNTING PAD

TP4997



TP4997

AIR INLET-CONTINUED
CODE 1701 AIR INTAKE, MEDIUM LENGTH
CODE 1702 AIR INTAKE, 254 MM (10") LONG
CODE 1703 AIR INTAKE, SHORT LENGTH
CODE 1704 AIR INTAKE, 305 MM (12") LONG
CODE 1709 AIR INTAKE WITH AIR CLEANER MOUNTING PAD

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	15H255	PIPE PLUG	1		3/8"
2	T20159	GASKET	1		

PARTS COMMON TO CODE 1701, 1702, 1704 AND 1709

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
3	12H304	LOCK WASHER	2		3/8"
4	19H1732	CAP SCREW	2		3/8" X 1-1/4"

ADDITIONAL PARTS USED WITH CODE 1701

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
5	T25829	AIR INTAKE	1		

ADDITIONAL PARTS USED WITH CODE 1702

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
6	T23611	AIR INTAKE	1		

ADDITIONAL PARTS USED WITH CODE 1703

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
7	T31948	AIR INTAKE	1		
8	15H558	PIPE PLUG	1		1/8"
9	19H3411	BOLT	2		3/8" X 1-1/8"

ADDITIONAL PARTS USED WITH CODE 1704

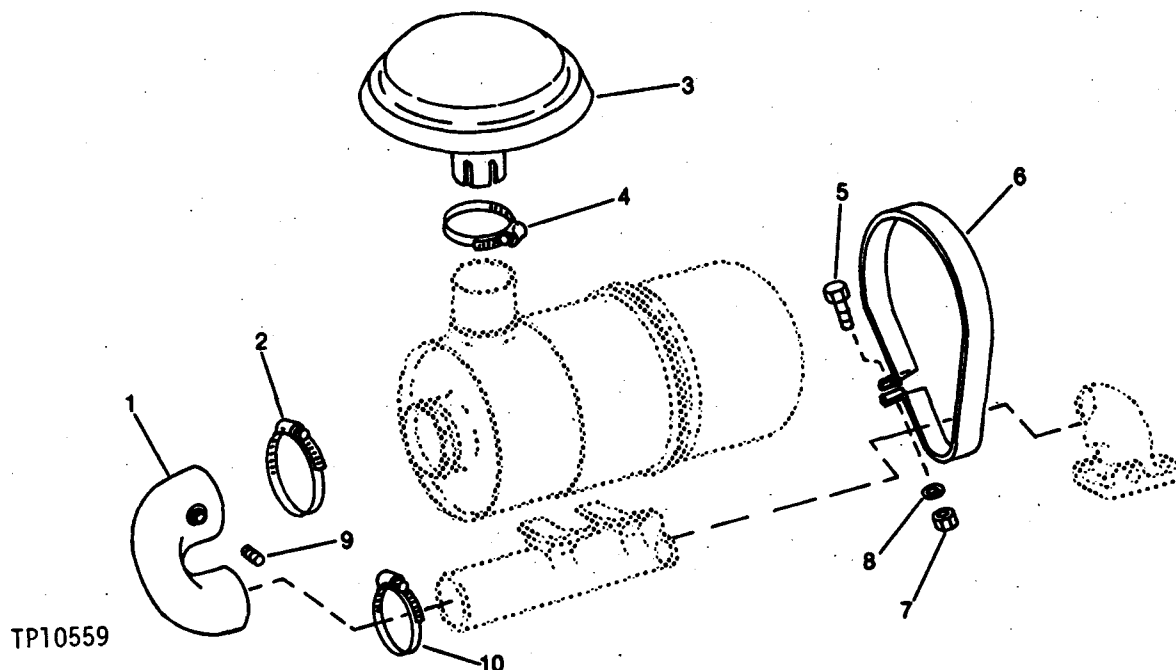
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
10	AR38711	AIR INTAKE	1		

ADDITIONAL PARTS USED WITH CODE 1709

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
11	R59193	AIR INTAKE	1		

AIR CLEANER INTAKE HOSE AND MOUNTING
 (WITHOUT ENCLOSURE)
CODE 1801 AIR CLEANER
 (USE WITH CODE 1708 AIR INTAKE)

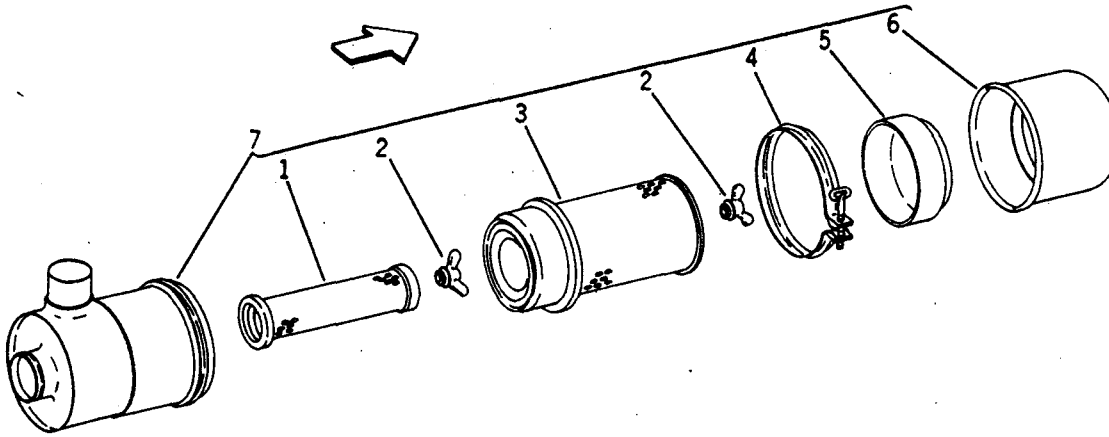
TP10559



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT53006	HOSE	1	-XXXXXX	
	AT78056	HOSE	1	XXXXXX-	
2	AR21842	CLAMP	1		
3	AR72336	CAP	1		
4	AR21999	CLAMP	1		
5	19H1801	CAP SCREW	2		3/8" X 2"
6	T53057	CLAMP	2		
7	14H812	NUT	2		3/8"
8	12H304	LOCK WASHER	2		3/8"
9	15H638	PIPE PLUG	1		1/8"
10	AR21999	CLAMP	1	-XXXXXX	
	AR62936	CLAMP	1	XXXXXX-	

**AIR CLEANER
(WITHOUT ENCLOSURE)
CODE 1801 AIR CLEANER
(USE WITH CODE 1708 AIR INTAKE)**

57867

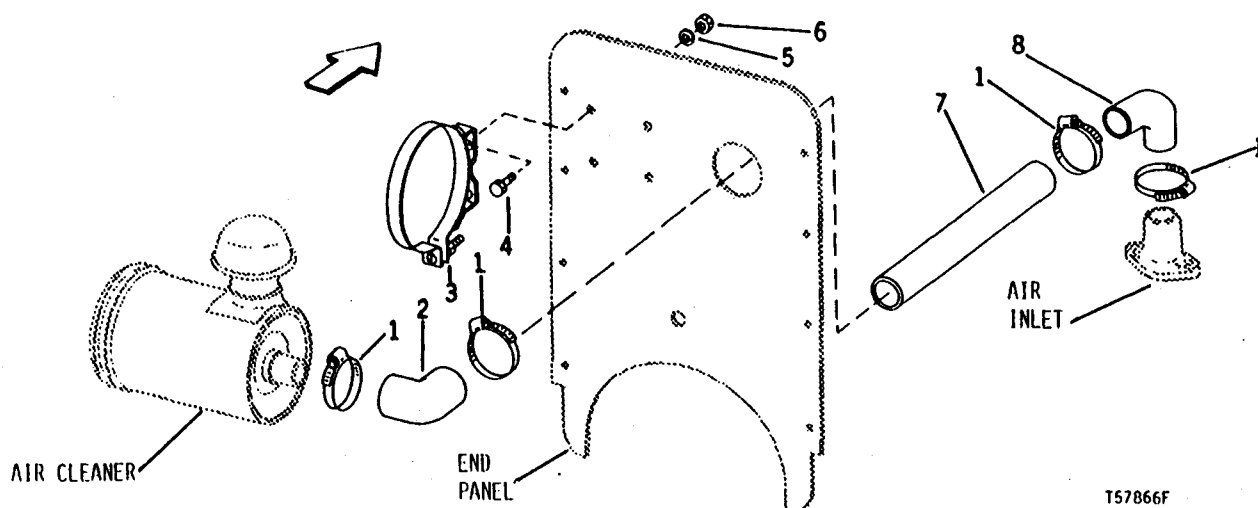


T57867F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT44378	FILTER	1		DRY, SAFETY
2	AH20849	WING NUT	2		
3	AT44377	FILTER ELEMENT	1		DRY CLEANER
4	AH20855	CLAMP	1		
5	AH20858	ISOLATOR	1		
6	AT54179	DUST BOWL	1		
7	AR76434	AIR CLEANER	1		

**AIR CLEANER INTAKE PIPE AND MOUNTING
(WITH ENCLOSURE)
CODE 1802 AIR CLEANER**

T57866

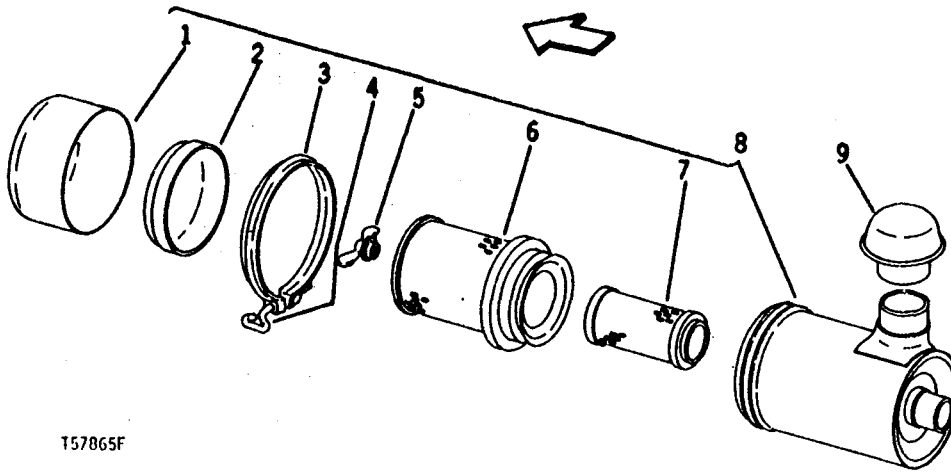


T57866F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR62936	CLAMP	4		
2	R39623	HOSE	1		RUBBER
3	AT25213	BAND	2		
4	19H1924	CAP SCREW	4		7/16" X 3/4"
5	12H293	LOCK WASHER	4		7/16"
6	14H813	NUT	4		7/16"
7	R60906	SLEEVE	1		
8	H62860	HOSE	1		RUBBER

**AIR CLEANER
(WITH ENCLOSURE)
CODE 1802 AIR CLEANER**

T57865

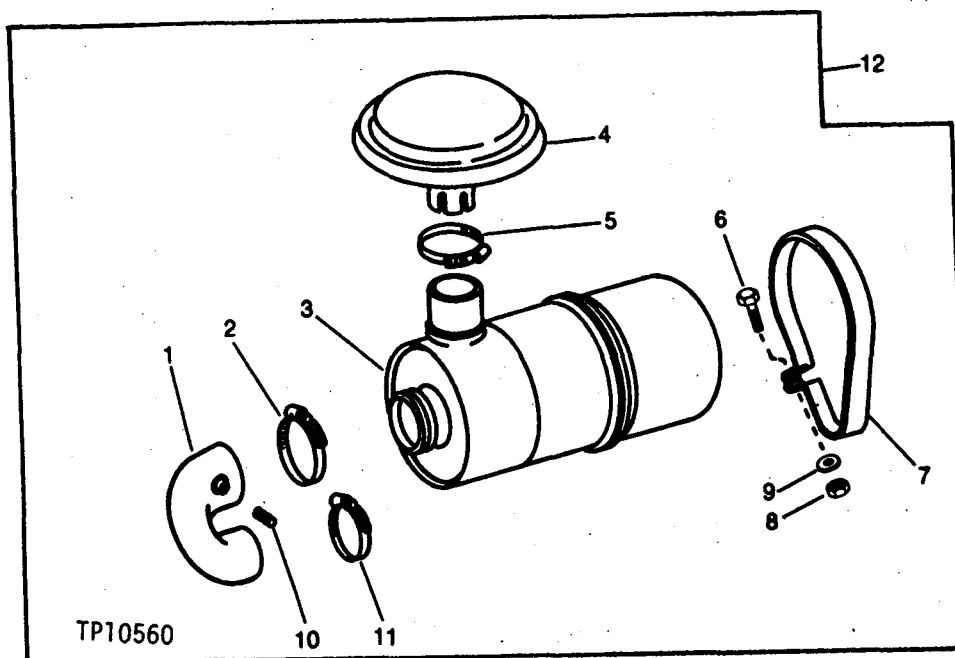


T57865F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT28098	DUST BOWL	1		
2	R39828	FOAM PAD	1		
3	AR30575	CLAMP	1		
4	R28633	BOLT	1		
5	AH20849	WING NUT	1		
6	AT33363	FILTER ELEMENT	1		
7	AT33364	FILTER ELEMENT	1		DRY
8	AT38481	AIR CLEANER	1		SAFETY
9	AT25215	CAP	1		

AIR CLEANER AND MOUNTING KIT

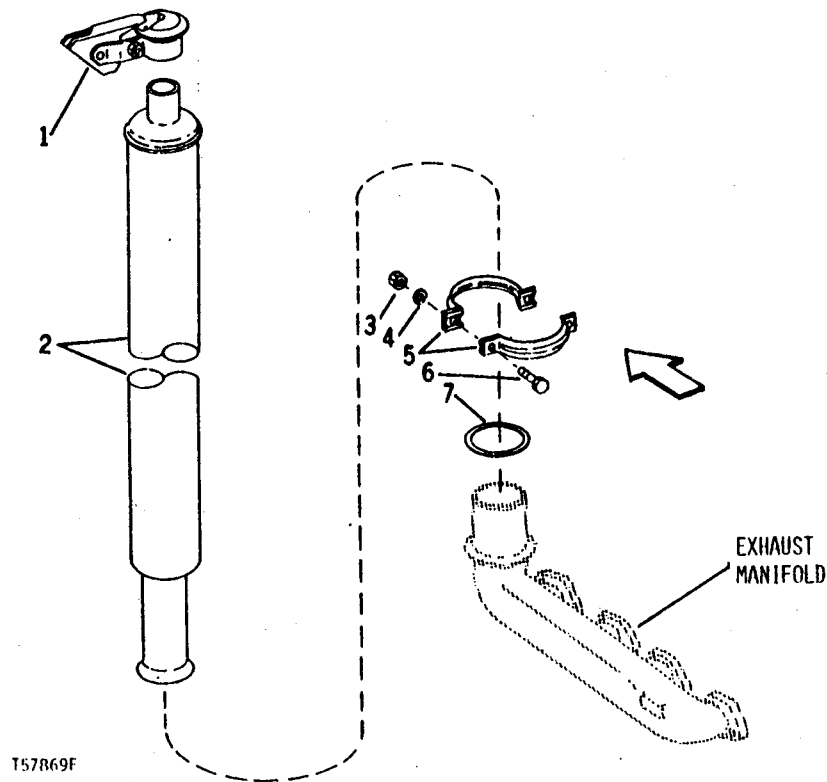
TP10560



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT53006	HOSE	1	-XXXXXX	
	AT78056	HOSE	1	XXXXXX-	
2	AR21842	CLAMP	1		
3	AR76434	AIR CLEANER	1		
4	AR72336	CAP	1		
5	AR21999	CLAMP	1		
6	19H1801	CAP SCREW	2		3/8" X 2"
7	T53057	CLAMP	2		
8	14H812	NUT	2		3/8"
9	12H304	LOCK WASHER	2		3/8"
10	15H638	PIPE PLUG	1		1/8"
11	AR21999	CLAMP	1	-XXXXXX	
	AR62936	CLAMP	1	XXXXXX-	
12	AR94138	AIR CLEANER	1		

CODE 6101 MUFFLER
MUFFLER WITH COVER

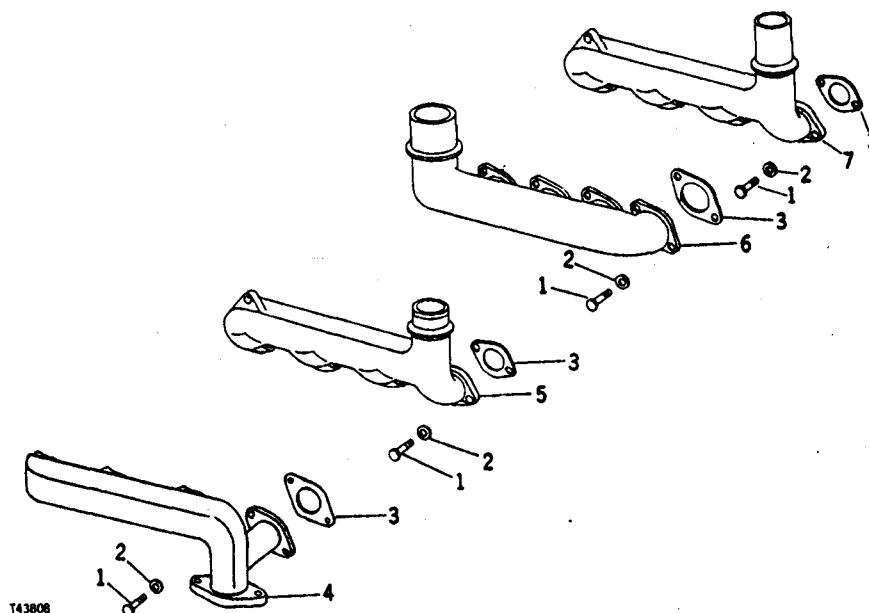
57869



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR56782	EXHAUST CAP	1		
2	AR38383	MUFFLER	1		
3	14H785	NUT	2		5/16", (USE WITH T19978)
4	12H303	LOCK WASHER	2		5/16"
5	AT63813	HALF CLAMP	2		(SUB FOR T19978)
6	19H1849	CAP SCREW	2		5/16" X 1-1/4"
7	T20141	SEAL	1		
8	AR98500	KIT	1		

CODE 2801 EXHAUST MANIFOLD
 CODE 2802 EXHAUST MANIFOLD, REAR DOWN
 CODE 2803 EXHAUST MANIFOLD, REAR VERTICAL
 CODE 2807 EXHAUST MANIFOLD, FRONT VERTICAL

T43808



PARTS COMMON TO CODE 2801, 2802, 2803 AND 2807

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H988	CAP SCREW	8		3/8" X 1-1/4"
2	24H1304	WASHER	8		13/32" X 23/32" X 0.120"
3	T20006	GASKET	4		

ADDITIONAL PARTS USED WITH CODE 2801

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
4	R56474	EXHAUST MANIFOLD	1		

ADDITIONAL PARTS USED WITH CODE 2802

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
5	T20200	MANIFOLD	1		

ADDITIONAL PARTS USED WITH CODE 2803

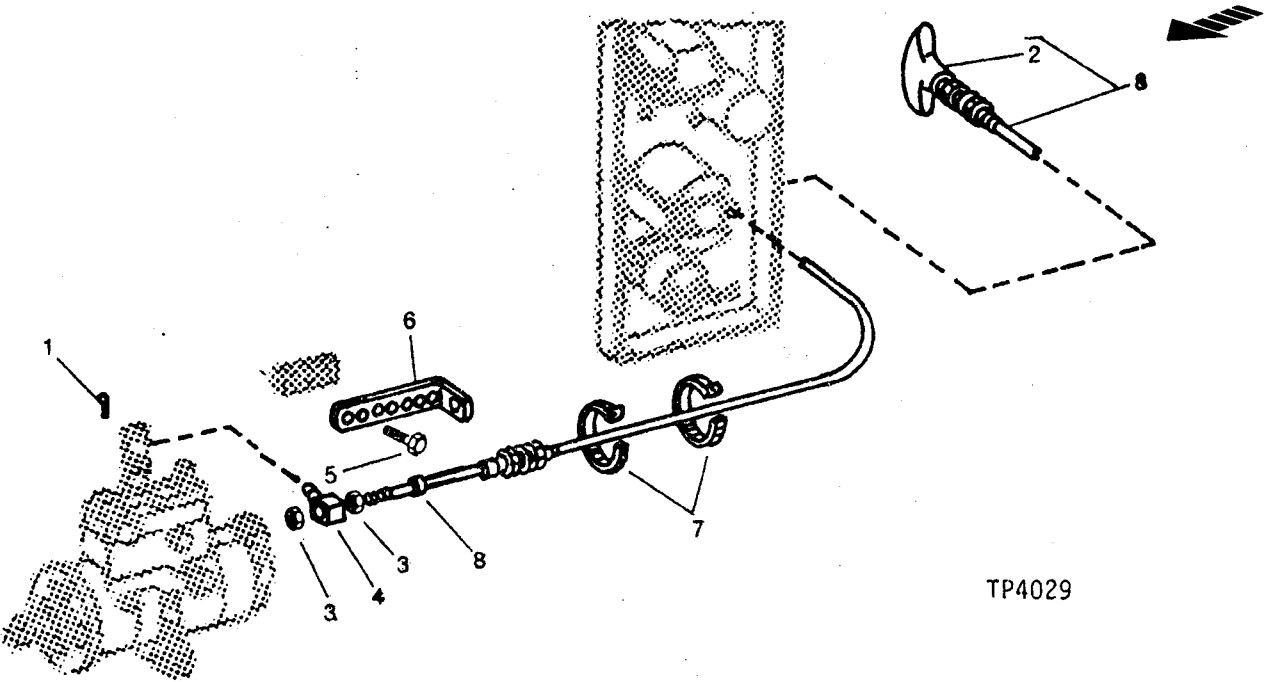
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
6	T20249	EXHAUST MANIFOLD	1		

ADDITIONAL PARTS USED WITH CODE 2807

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
7	AR72263	EXHAUST MANIFOLD	1		

ENGINE SPEED CONTROL
CODE 3201 INSTRUMENT PANEL WITH GAUGES AND SPEED CONTROLS
CODE 3202 INSTRUMENT PANEL WITH GAUGES AND SPEED CONTROLS
CODE 3208 INSTRUMENT PANEL WITH GAUGES AND SPEED CONTROLS

TP4029

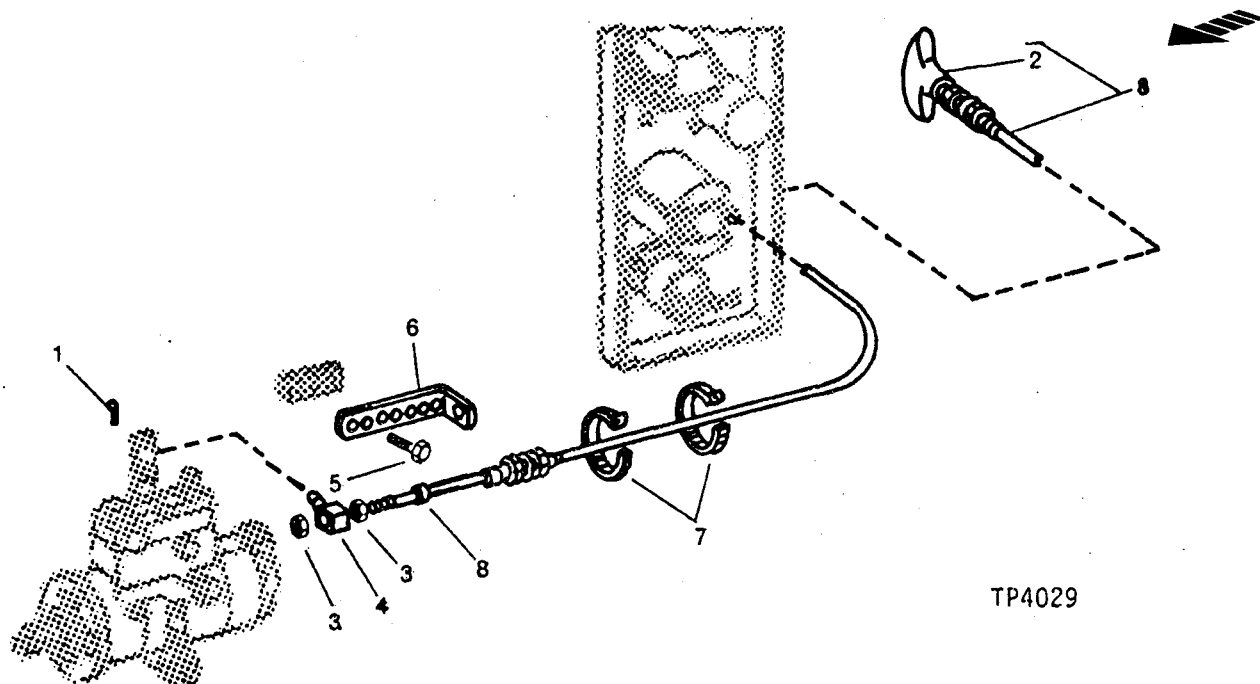


TP4029

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	11H206	COTTER PIN	1		3/32" X 3/4"
2	T54576	HANDLE	1		
3	14H631	NUT	2		NO. 10
4	R55340	SWIVEL	1		
5	21H1148	SCREW	3		NO. 10 X 3/4"
6	R55331	BRACKET	1		
7	R44302	TIE BAND	2		
8	AR64338	PUSH PULL CABLE	1		

ENGINE SPEED CONTROL
CODE 9001 INSTRUMENT PANEL WITH TEMPERATURE AND OIL PRESSURE
GAUGES AND 72-INCH SPEED CONTROL-FIELD
CODE 9002 INSTRUMENT PANEL FOR ENCLOSURE-FIELD

TP4029

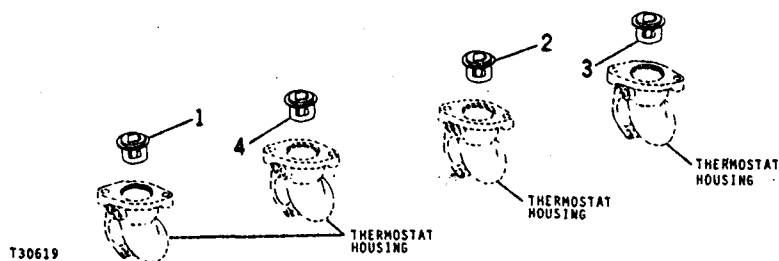


TP4029

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	11H206	COTTER PIN	1		3/32" X 3/4"
2	T54576	HANDLE	1		(CODE 9001)
3	14H631	NUT	2		NO. 10
4	R55340	SWIVEL	1		
5	21H1148	SCREW	3		NO. 10 X 3/4"
6	R55331	BRACKET	1		
7	R44302	TIE BAND	2		
8	AR65433	CABLE	1		(CODE 9001)
	AR64338	PUSH PULL CABLE	1		(CODE 9002)

ENGINE THERMOSTAT
CODE 2201 THERMOSTAT, 71°C (160°F)
CODE 2202 THERMOSTAT, 89°C (192°F)
CODE 2203 THERMOSTAT, 96°C (205°F)
CODE 2204 THERMOSTAT, 82°C (180°F)

T30619

**PARTS USED WITH CODE 2201**

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AT22962	THERMOSTAT	1		71°C (160°F)

PARTS USED WITH CODE 2202

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
2	AT22963	THERMOSTAT	1		89°C (192°F)

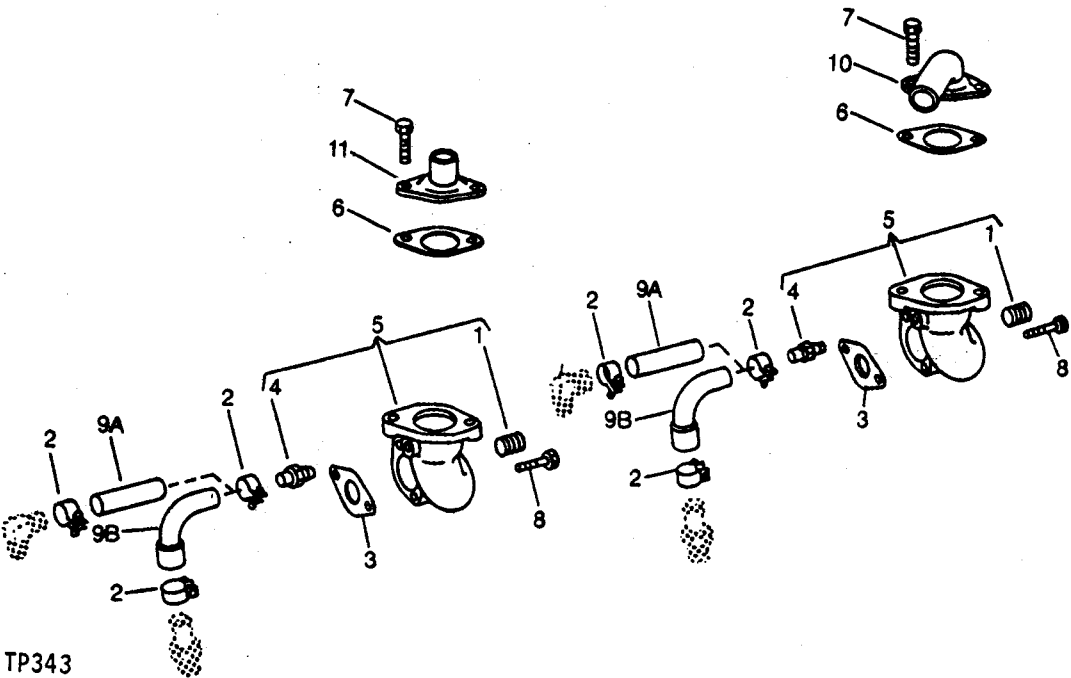
PARTS USED WITH CODE 2203

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
3	AT24013	THERMOSTAT	1		96°C (205°F)

PARTS USED WITH CODE 2204

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
4	AT22961	THERMOSTAT	1		82°C (180°F)

THERMOSTAT HOUSING AND COVER
CODE 2101 THERMOSTAT COVER, HORIZONTAL
CODE 2102 THERMOSTAT COVER, VERTICAL



PARTS COMMON TO CODE 2101 AND 2102

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	15H561	PIPE PLUG	1	365855-	1/2"
2	AR21837	CLAMP	2		
3	T20219	GASKET	1		
4	T19651	HOSE FITTING	1		
5	AT18074	HOUSING	1	-365854	WITH NIPPLE, (MARKED T20218) (SUB AR73097, THIS APPLICATION)
	AR73097	HOUSING	1		WITH NIPPLE AND PIPE PLUG, (MARKED R60256)
6	T20215	GASKET	1		
7	19H988	CAP SCREW	2		3/8" X 1-1/4"
8	19H1726	CAP SCREW	2		3/8" X 2-1/4"
9A	T12815	HOSE	1		(USE WITH CODE 2002 AND 2005)
9B	T20277	HOSE	1		(USE WITH CODE 2001 AND 2004)

ADDITIONAL PARTS USED WITH CODE 2101

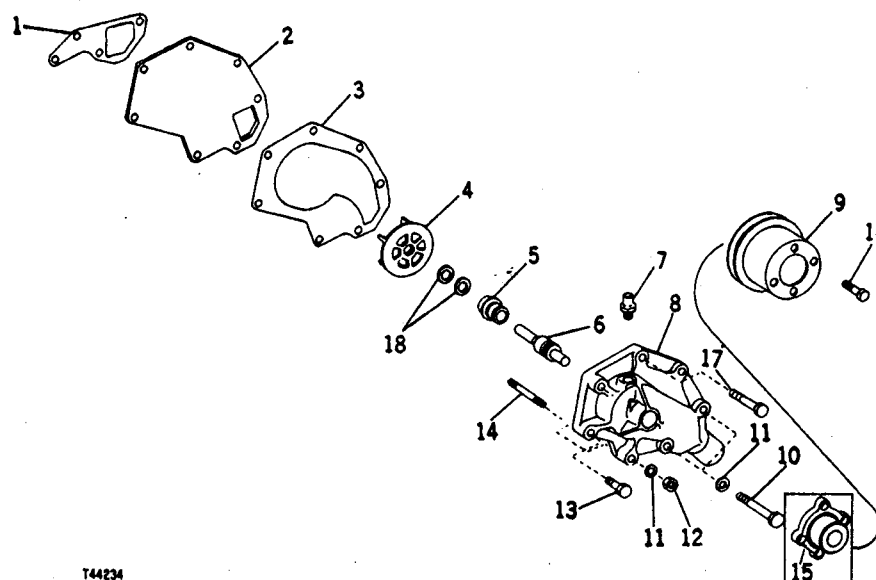
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
10	T23620	COVER	1		

ADDITIONAL PARTS USED WITH CODE 2102

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
11	T20317	COVER	1		

WATER PUMP ASSEMBLY CODE 2001 WATER PUMP, STANDARD POSITION

T44234



T44234

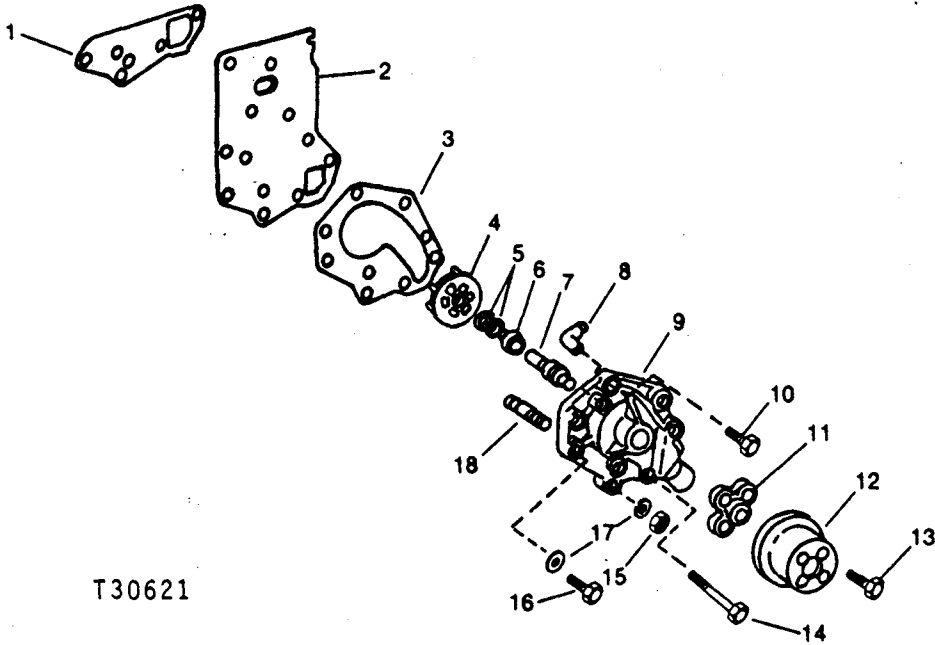
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20243	GASKET	1		
2	T20270	COVER	1		
3	T20271	GASKET	1		
4	T30897	IMPELLER	1		
5	T27261	SEAL	1	(A)	
6	JD9257	BALL BEARING	1	(A)	
7	T19651	HOSE FITTING	1		
	15H584	PIPE PLUG	1		SQ. HD., 1/2", (USE WITH AR55094)
8	R48997	HOUSING	1		(USE WITH AT27018 AND AT29619)
9	T30721	PULLEY	1	-368052	(USE WITH AR55094)
	T23628	PULLEY	1	368053-	
10	19H1912	CAP SCREW	2		3/8" X 3-1/2"
11	12H304	LOCK WASHER	5		3/8"
12	14H812	NUT	1		3/8"
13	19H2545	CAP SCREW	2		3/8" X 1-3/8"
14	T25701	STUD	1		
15	T30720	HUB	1	-368052	
16	19H2127	CAP SCREW	4		5/16" X 7/8"
17	19H2545	CAP SCREW	2		3/8" X 1-3/8"
18	AR41691	INSERT	1		(A) CUP AND INSERT
..	AR55094	WATER PUMP	1	-368052	(SUB FOR AT29619)
..	AT27018	WATER PUMP	1	368053-	

(A) KIT LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A):

..	AT32489	KIT	1	REPAIR
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WATER PUMP ASSEMBLY
CODE 2002 WATER PUMP, HIGH POSITION

T30621



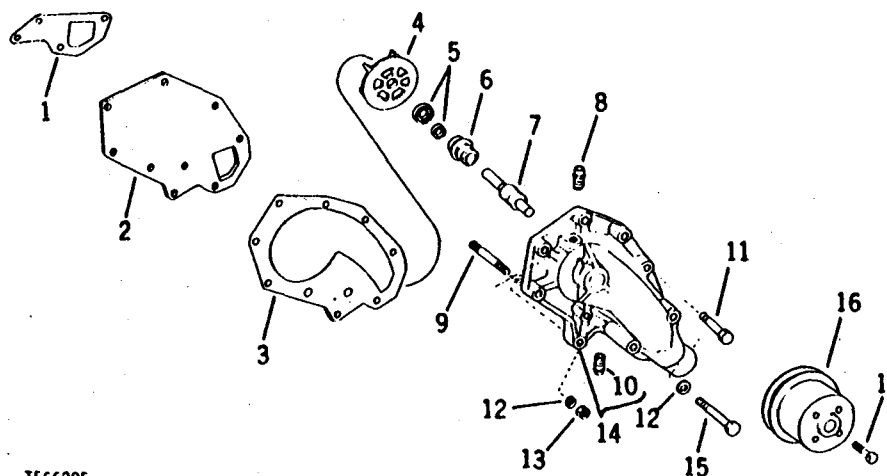
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20243	GASKET	1		
2	T28747	PLATE	1		
3	T20242	GASKET	1		
4	T30897	IMPELLER	1		
5	AR41691	INSERT	1		(A) CUP AND INSERT
6	T27261	SEAL	1		(A)
7	JD9257	BALL BEARING	1		(A)
8	T19653	ELBOW	1		
9	T29521	HOUSING	1		
10	19H2545	CAP SCREW	3		3/8" X 1-3/8"
11	T30720	HUB	1		
12	T30721	PULLEY	1		
13	19H2284	CAP SCREW	4		3/8" X 7/8"
14	19H1801	CAP SCREW	1		3/8" X 2"
15	14H812	NUT	1		3/8"
16	19H1726	CAP SCREW	1		3/8" X 2-1/4"
17	12H304	LOCK WASHER	3		3/8"
18	T25701	STUD	1		
..	AT29620	WATER PUMP	1		

(A) KIT LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A):

..	AT32489	KIT	1	REPAIR
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CODE 2004 WATER PUMP ASSEMBLY
 WATER PUMP, STANDARD POSITION, WITH OIL COOLER
 (SERIAL NO. -583196)

T56629



T56629F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20243	GASKET	1		
2	T20270	COVER	1		(A)
3	T20271	GASKET	1		(A)
4	T30897	IMPELLER	1		(A)
5	AR41691	INSERT	1		(A) (B) CUP AND INSERT
6	T27261	SEAL	1		(A) (B)
7	JD9257	BALL BEARING	1		(A) (B)
8	T19651	HOSE FITTING	1		(A)
9	T25701	STUD	1		
10	R48993	TUBE	2		(A)
11	19H2545	CAP SCREW	2		(A) 3/8" X 1-3/8"
12	12H304	LOCK WASHER	3		3/8"
13	14H812	NUT	1		3/8"
14	AR80108	HOUSING	1		(A) WITH TUBES, (MARKED R54051) (SUB FOR R54051)
15	19H1912	CAP SCREW	2		3/8" X 3-1/2"
16	T23628	PULLEY	1		(A)
17	19H2284	CAP SCREW	4		3/8" X 7/8"

(A) ASSEMBLY LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A):

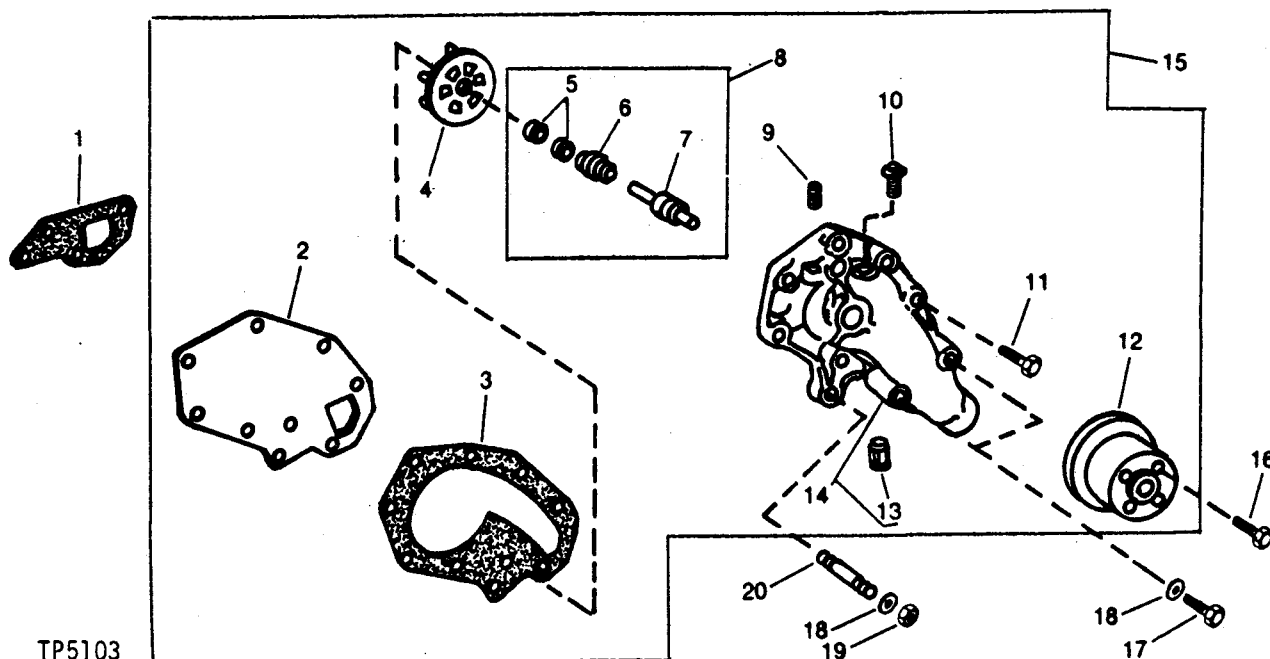
.. AR67452 WATER PUMP 1

(B) KIT LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (B):

.. AT32489 KIT 1 REPAIR

CODE 2004 WATER PUMP ASSEMBLY
WATER PUMP, STANDARD POSITION, WITH OIL COOLER
(SERIAL NO. 583197-)

TP5103

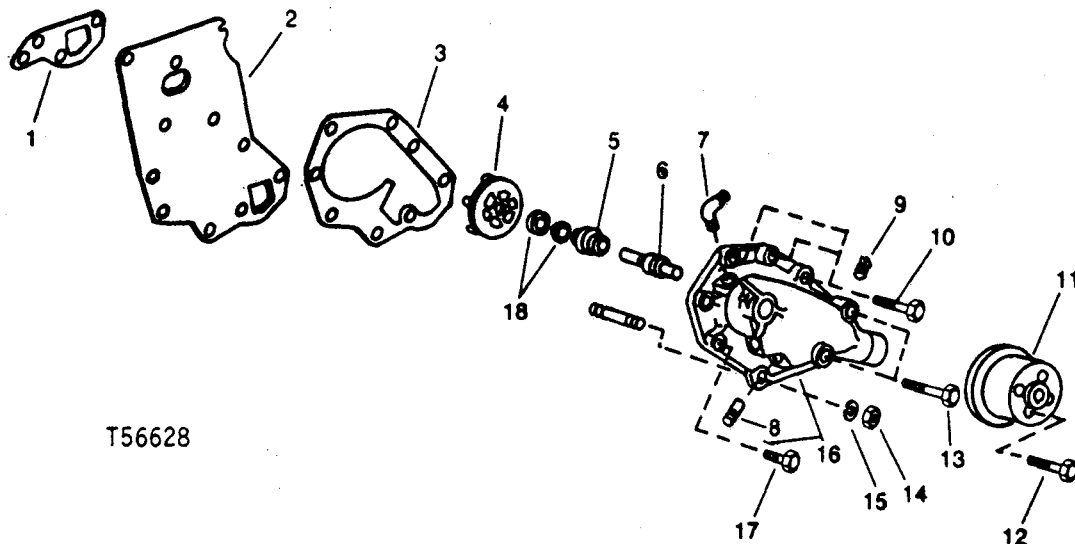


TP5103

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20243	GASKET	1		
2	T20270	COVER	1		
3	T20271	GASKET	1		
4	T30897	IMPELLER	1		
5	AR41691	INSERT	1		CUP AND INSERT
6	T27261	SEAL	1		
7	JD9257	BALL BEARING	1		
8	AT32489	KIT	1		REPAIR
9	T19651	HOSE FITTING	1		
10	15H584	PIPE PLUG	1		1/2"
11	19H2545	CAP SCREW	2		3/8" X 1-3/8"
12	T23628	PULLEY	1		
13	R48993	TUBE	2		
14	AR80105	HOUSING	1		WITH TUBES, (MARKED R55758)
15	AR67452	WATER PUMP	1		
16	19H2284	CAP SCREW	4		3/8" X 7/8"
17	19H1912	CAP SCREW	2		3/8" X 3-1/2"
18	12H304	LOCK WASHER	3		3/8"
19	14H812	NUT	1		3/8"
20	T25701	STUD	1		

WATER PUMP ASSEMBLY
CODE 2005 WATER PUMP, HIGH POSITION, WITH OIL COOLER

T56628



T56628

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20243	GASKET	1		
2	R55760	COVER	1	(A)	
3	R55405	GASKET	1	(A)	
4	T30897	IMPELLER	1	(A)	
5	T27261	SEAL	1	(A) (B)	
6	JD9257	BALL BEARING	1	(A) (B)	
7	T19653	ELBOW	1	(A)	
8	R48993	TUBE	2	(A)	
9	15H584	PIPE PLUG	1	(A) 1/2"	
10	19H2545	CAP SCREW	3	(A) 3/8" X 1-3/8"	
11	T23628	PULLEY	1	(A)	
12	19H2284	CAP SCREW	4	3/8" X 7/8"	
13	19H1912	CAP SCREW	2	3/8" X 3-1/2"	
14	14H812	NUT	1	3/8"	
15	12H304	LOCK WASHER	3	3/8"	
16	AR80104	HOUSING	1	(A) WITH TUBES, (MARKED R55164) (SUB FOR R55164)	
17	T25701	STUD	1		
18	AR41691	INSERT	1	(A) (B) CUP AND INSERT	

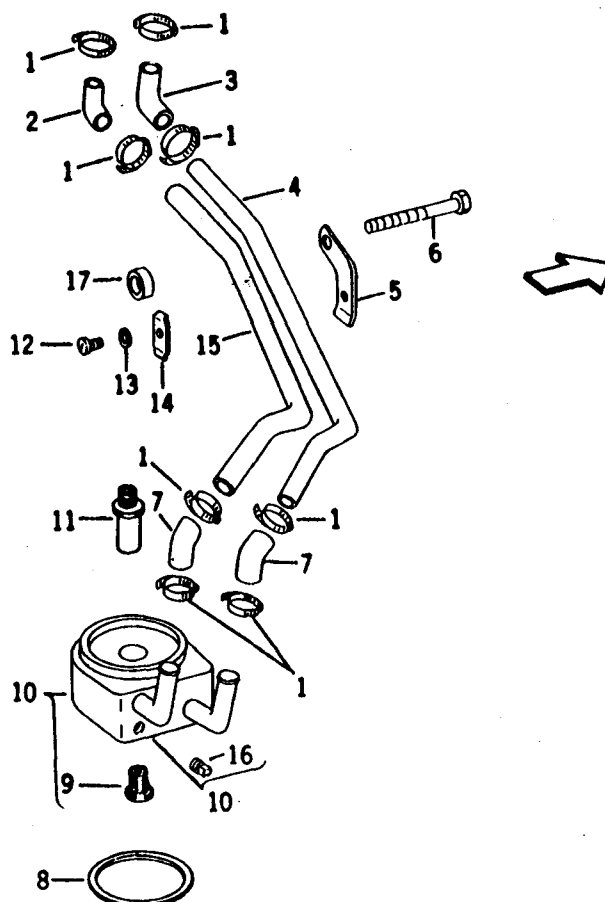
(A) ASSEMBLY LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (A):
 .. AR65262 WATER PUMP 1

(B) KIT LISTED BELOW CONTAINS ALL PARTS IDENTIFIED BY (B):
 .. AT32489 KIT 1

REPAIR

T59220

ENGINE OIL COOLER
 CODE 5901 ENGINE OIL COOLER
 CODE 5902 ENGINE OIL COOLER



T59220F

PARTS COMMON TO CODE 5901 AND 5902

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR21837	CLAMP	8		
2	T22942	HOSE	1		
3	R48989	HOSE	1		
4	R55126	PIPE	1		LOWER
5	R55128	FLANGE	1		
6	19H2023	CAP SCREW	1		3/8" X 3-1/4"
7	R55127	HOSE	2		
8	R70956	WASHER	1		(SUB R55434)
9	AT31093	VALVE	1		RELIEF
10	AR64415	OIL COOLER	1		WITH RELIEF VALVE
11	T31306	THREADED NIPPLE	1		
12	21H1312	CAP SCREW	1		NO. 10 X 1"
13	12H295	LOCK WASHER	1		NO. 10
14	R55129	HALF CLAMP	1		
15	R55125	PIPE	1		UPPER
16	R56947	DRAIN PLUG	1		

ADDITIONAL PARTS USED WITH CODE 5901

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
17	28H2547	SPACER	1		3/8" X 1"

ENGINE OIL COOLER-CONTINUED
CODE 5901 ENGINE OIL COOLER
CODE 5902 ENGINE OIL COOLER**PARTS COMMON TO CODE 5901 AND 5902**

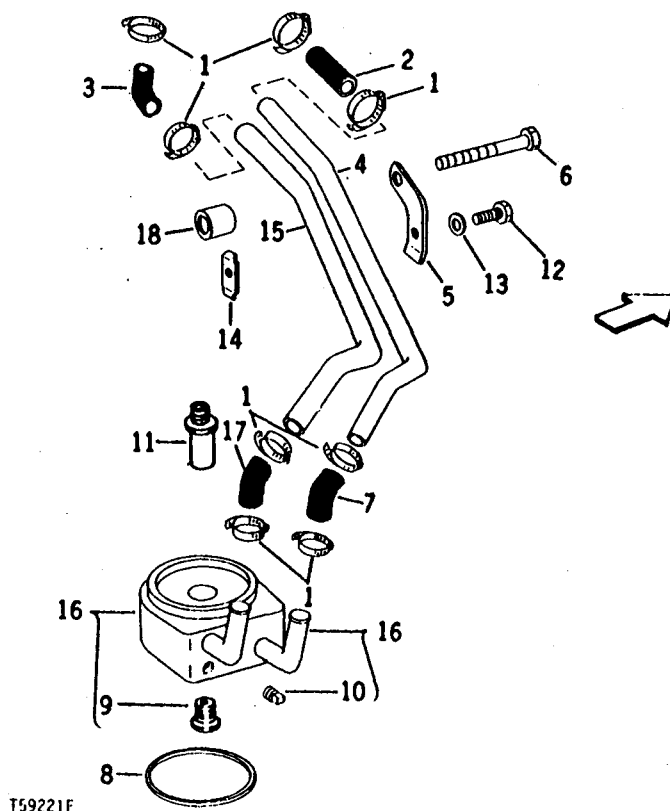
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR21837	CLAMP	8		
2	T22942	HOSE	1		
3	R48989	HOSE	1		
4	R55126	PIPE	1		LOWER
5	R55128	FLANGE	1		
6	19H2023	CAP SCREW	1		3/8" X 3-1/4"
7	R55127	HOSE	2		
8	R70956	WASHER	1		(SUB FOR R55434)
9	AT31093	VALVE	1		(USE WITH AR64415)
	R77332	RELIEF VALVE	1		(USE WITH RE10869)
10	RE10869	OIL COOLER	1		(SUB FOR AR64415)
11	T31306	THREADED NIPPLE	1		
12	21H1312	CAP SCREW	1		NO. 10 X 1"
13	12H295	LOCK WASHER	1		NO. 10
14	R55129	HALF CLAMP	1		
15	R55125	PIPE	1		UPPER
16	R56947	DRAIN PLUG	1		

ADDITIONAL PARTS USED WITH CODE 5901

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
17	28H2547	SPACER	1		3/8" X 1"

ENGINE OIL COOLER
 CODE 5903 ENGINE OIL COOLER
 CODE 5904 ENGINE OIL COOLER

T59221



T59221F

PARTS COMMON TO CODE 5903 AND 5904

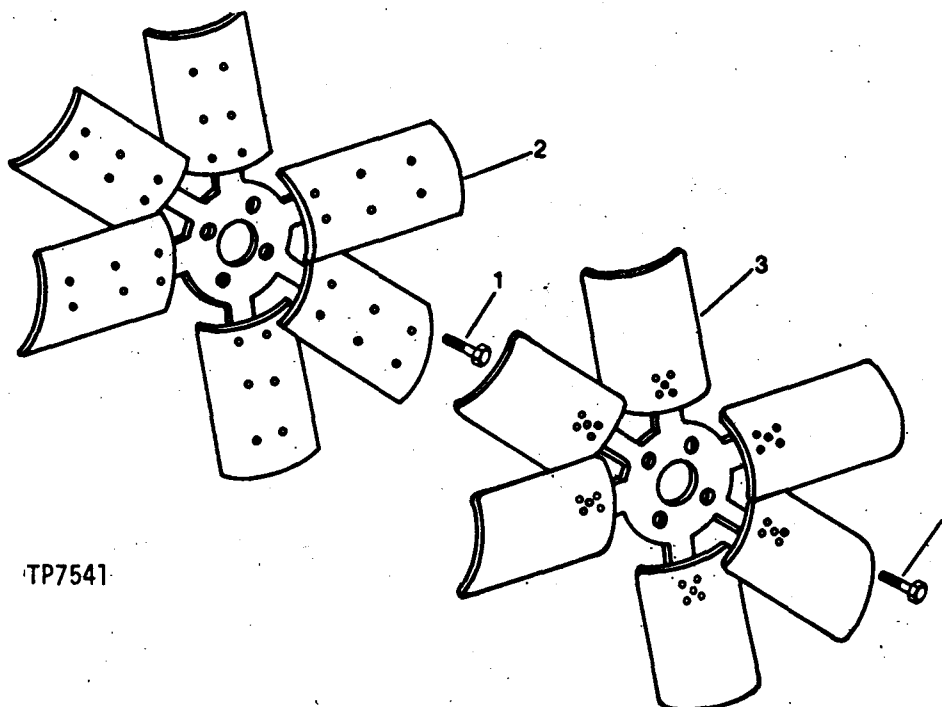
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR21837	CLAMP	8		
2	R55401	HOSE	1		64 MM LONG (41/64" X 2-1/2")
3	R55127	HOSE	1		FORMED
4	R57339	LINE	1		LOWER
5	R55128	FLANGE	1		
6	19H2023	CAP SCREW	1		3/8" X 3-1/4"
7	R44065	HOSE	1		FORMED
8	R70956	WASHER	1		(SUB R55434)
9	AT31093	VALVE	1		(USE WITH AR64415)
	R77332	RELIEF VALVE	1		(USE WITH RE10869)
10	R56947	DRAIN PLUG	1		
11	T31306	THREADED NIPPLE	1		
12	21H1312	CAP SCREW	1		NO. 10 X 1"
13	12H295	LOCK WASHER	1		NO. 10
14	R55129	HALF CLAMP	1		
15	R57338	LINE	1		UPPER
16	RE10869	OIL COOLER	1		(SUB FOR AR64415)
17	T22942	HOSE	1		

ADDITIONAL PARTS USED WITH CODE 5903

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
18	28H2547	SPACER	1		3/8" X 1"

FAN BLADE ASSEMBLY
CODE 2501 FAN BLADE, BLOWER
CODE 2502 FAN BLADE, SUCTION

TP7541



TP7541

PARTS COMMON TO CODE 2501 AND 2502

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H2127	CAP SCREW	4		5/16" X 7/8"

ADDITIONAL PARTS USED WITH CODE 2501

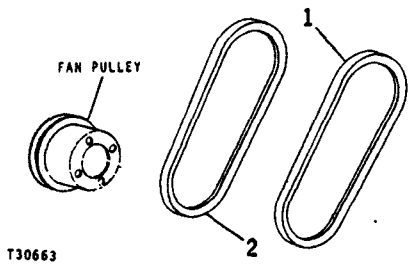
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
2	AT34613	FAN	1		(6 BLADE) (BLOWER)

ADDITIONAL PARTS USED WITH CODE 2502

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
3	AR38790	FAN	1		(6 BLADE) (SUCTION) (SUB FOR AT23180, THIS APPLICATION)

FAN BELT
CODE 2401 FAN BELT, STANDARD POSITION WATER PUMP
CODE 2402 FAN BELT, HIGH POSITION WATER PUMP

T30663



PARTS USED WITH CODE 2401

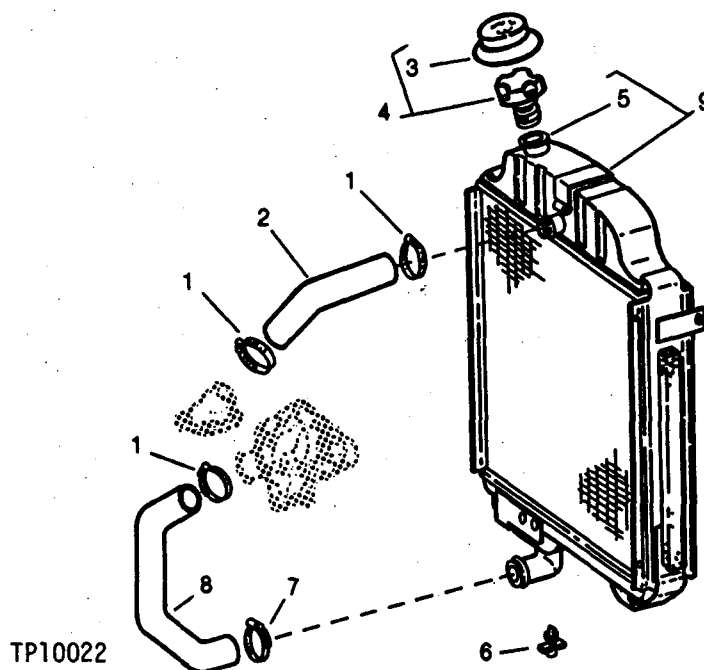
KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T20334	BELT	1		

PARTS USED WITH CODE 2402

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
2	T24473	BELT	1		

RADIATOR
CODE 2701 RADIATOR

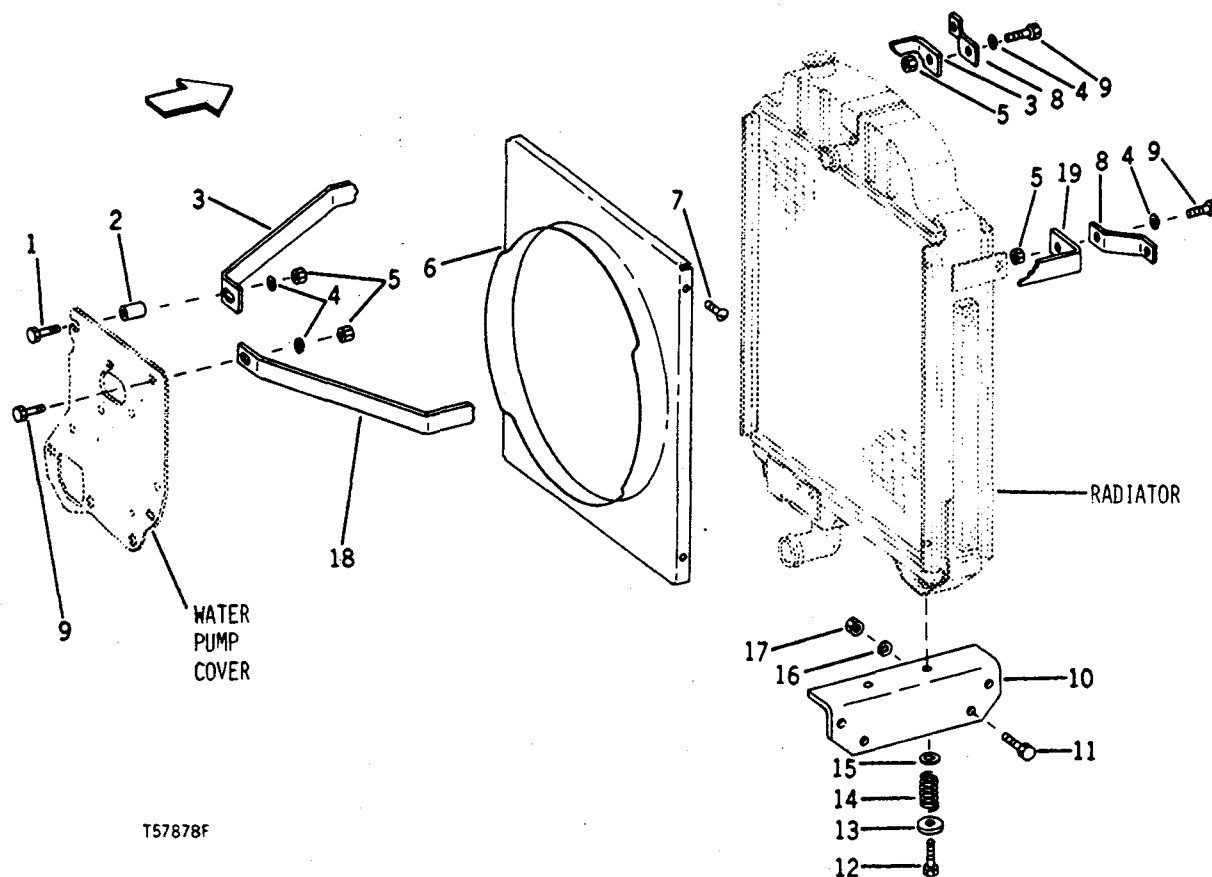
TP10022



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR21840	CLAMP	3		
2	R38481	HOSE	1		UPPER, (SUB FOR R38312)
3	R27209	COVER	1		
4	AR28482	CAP	1		RADIATOR WITH COVER
5	RE15427	FILLER NECK	1		
6	AT13740	DRAIN VALVE	1		
7	AR21999	CLAMP	1		
8	R38313	HOSE	1		LOWER
9	AR38551	RADIATOR	1		

RADIATOR MOUNTING AND FAN SHROUD CODE 2701 RADIATOR

57878

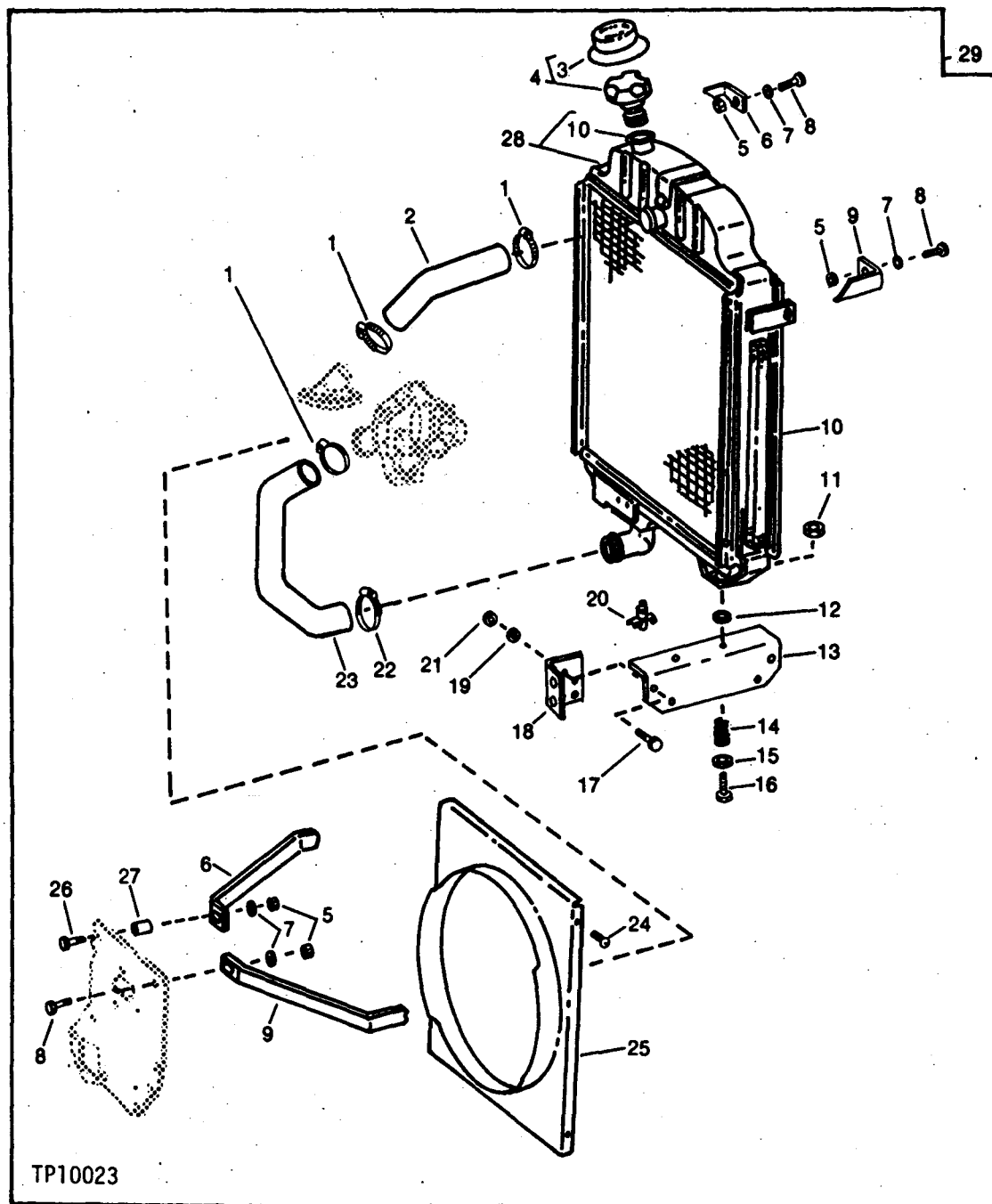


T57878F

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H1901	CAP SCREW	1		5/16" X 2"
2	28H1697	SPACER	1		3/8" X 3/4"
3	R63824	SUPPORT	1		L.H.
4	12H303	LOCK WASHER	4		5/16"
5	14H785	NUT	4		5/16"
6	R38343	SHROUD	1		
7	37H79	SCREW	4		1/4" X 5/8"
8		BRACE	2		FRONT (SUB AR72177, NO LONGER AVAILABLE)
9	19H1905	CAP SCREW	3		5/16" X 1"
10	R63821	SUPPORT	1		
11	19H1821	CAP SCREW	4		7/16" X 1-1/4"
12	19H2128	CAP SCREW	2		3/8" X 3"
13	24H1652	WASHER	2		13/32" X 11/16" X 0.105"
14	R62372	SPRING	2		
15	T22381	WASHER	2		
16	12H293	LOCK WASHER	4		7/16"
17	14H1047	NUT	4		7/16"
18	R63823	SUPPORT	1		R.H.
..		SUPPORT	1		FRONT COVER (AR72177, NO LONGER AVAILABLE)

RADIATOR KIT

TP10023

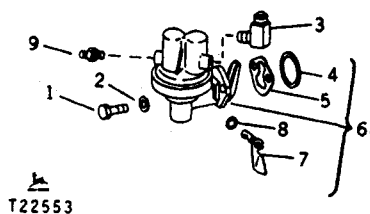


RADIATOR KIT-CONTINUED

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	AR21840	CLAMP	3		
2	R38481	HOSE	1		UPPER
3	R27209	COVER	1		
4	AR28482	CAP	1		WITH COVER
5	14H785	NUT	4		5/16"
6	R63824	SUPPORT	1		L.H.
7	12H303	LOCK WASHER	4		5/16"
8	19H1905	CAP SCREW	3		5/16" X 1"
9	R63823	SUPPORT	1		R.H.
10	RE15427	FILLER NECK	1		
11	14H812	NUT	2		3/8"
12	T22381	WASHER	2		
13	R63821	SUPPORT	2		
14	R62372	SPRING	2		
15	24H1652	WASHER	2		13/32" X 11/16" X 0.105"
16	19H2128	CAP SCREW	2		3/8" X 3"
17	19H1821	CAP SCREW	4		7/16" X 1-1/4"
18	R69639	BRACKET	1		R.H.
	R69640	BRACKET	1		L.H. (NOT ILLUSTRATED)
19	12H293	LOCK WASHER	4		7/16"
20	AT13740	DRAIN VALVE	1		
21	14H1047	NUT	4		7/16"
22	AR21999	CLAMP	1		
23	R38313	HOSE	1		
24	37H79	SCREW	4		1/4" X 5/8"
25	R38343	SHROUD	1		
26	19H1901	CAP SCREW	1		5/16" X 2"
27	28H1697	SPACER	1		3/8" X 3/4"
28	AR38551	RADIATOR	1		
29	AR94359	KIT	1		RADIATOR

AIRTEX FUEL TRANSFER PUMP ASSEMBLY

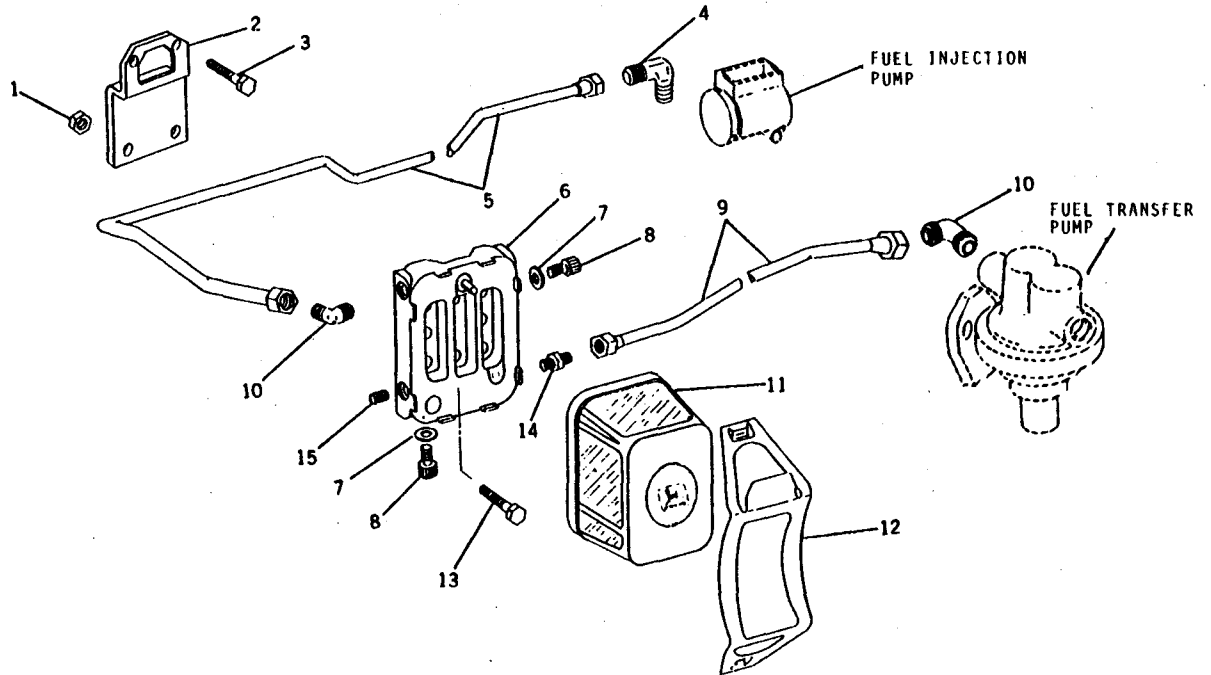
T22553



KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	19H1849	CAP SCREW	2		5/16" X 1-1/4"
2	T27860	WASHER	2		(SUB FOR R20498, THIS APPLICATION)
3	T30738	ELBOW	1		
4	R48399	WASHER	1		
5	R27285	GASKET	1		
6	AR52159	FUEL PUMP	1		
7	AR52556	LEVER	1		PRIMARY
8	A4365R	O-RING	1		
9	R27364	LEVER	1		

FUEL FILTER

T30657

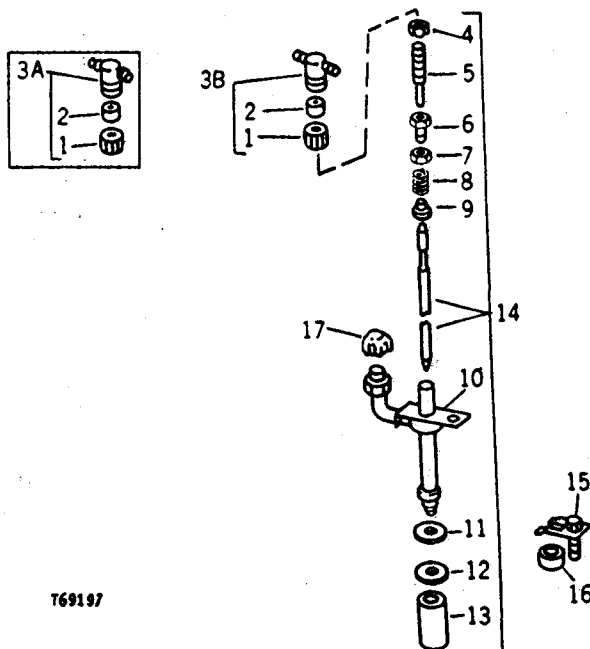


T30657

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	14H812	NUT	2		3/8"
2	R53214	BRACKET	1		
3	19H1134	CAP SCREW	2		3/8" X 3/4"
4	R48008	ELBOW	1		
5	AR63656	FUEL LINE	1		FILTER TO FUEL INJECTION PUMP
6	AR50040	HOUSING	1		
7	R34447	WASHER	2		
8	R48071	DRAIN PLUG	2		
9	AR63654	FUEL LINE	1		FUEL PUMP TO FUEL FILTER
10	T30738	ELBOW	2		
11	AR50041	FILTER ELEMENT	1		
12	R66821	CLAMP	1		(SUB FOR R57258)
13	19H2284	CAP SCREW	2		3/8" X 7/8"
14	R27346	FITTING	1		
15	15H558	PIPE PLUG	1		1/8"

FUEL INJECTION NOZZLE ASSEMBLY
CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR
CODE 1603 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR
(ENGINE SERIAL NO. -575164)

39197



T69197

KEY	PART NO.	PART NAME	QTY	SERIAL NO.	REMARKS
1	T29540	FITTING	1		(SUB R79604)
2	T29539	WASHER	1		(SUB R79605)
3A	AT27622	CAP	1	-505383	
3B	AR85618	CAP	1	505384-	(SUB R79604, R79605 AND R79606)
4	R47733	LOCK NUT	1		
5	R47732	SCREW	1		
6	R47734	SCREW	1		
7	R46675	NUT	1		
8	R47731	SPRING	1		
9	R39886	GUIDE	1		
10	T26870	CLAMP	1	-467466	(SUB R67779)
	R67779	CLAMP	1		
11	R34764	WASHER	1		UPPER, (USE WITH AR56290) (SUB RE13887, THIS APPLICATION)
	R60746	WASHER	1		(USED WHEN RE13887 HAS BEEN INSTALLED)
	R60746	WASHER	1		(USE WITH AR73673 AND AR88239)
12	R48000	WASHER	1		LOWER
13	T24472	PLUG	1		
14	AR56290	INJECTION NOZZLE	1	-441335	(ROOSA-MASTER NOS. 19762 OR 20500) (SUB AR89564)
	AR73673	INJECTION NOZZLE	1	-467466	(ROOSA-MASTER NO. 20631) (SUB AR89564)
	AR88239	INJECTION NOZZLE	1		(ROOSA-MASTER NO. 22042) (SUB AR89564)
15	R34760	CLAMP	1		
16	R34761	SPACER	1		(SUB RE13887, THIS APPLICATION)
	R60745	SPACER	1		(USED WHEN RE13887 HAS BEEN INSTALLED)
17	T31174	PLUG	1		(USE FOR SERVICING FUEL INJECTION NOZZLE)