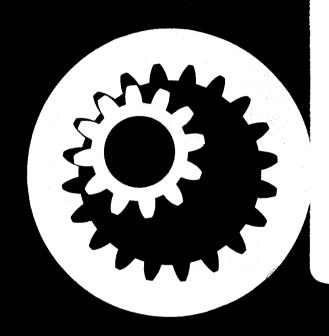


PARTS CATALOG



ACCESSORY CODE PLATE (With Turbocharger)

JOHN DEERE								
CONTROL: XXXXXXXXXXXXXXX								
BASIC			XXXX					
	0	PTION	CODE	S				
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

To assist your John Deere dealer in giving you prompt and efficient service, a code plate is attached to your John Deere engine. This code plate will identify parts that are unique to the original equipment manufacturer's application by option code. The basic engine code identifies the engine model.

Basic Engine Code: 1191F

Option		Option	.
Codes	Description	Codes	Description
1101	Rocker Arm Cover, Center Filler	2101	Thermostat Cover, Horizontal
1102	Rocker Arm Cover, No Filler	2102	Thermostat Cover, Vertical
1200	Oil Filler Cover	2204	Thermostat, 180°F (82°C)
1201	Oil Filler Inlet, Medium Length	2400	No Fan Belt
1202	Oil Filler Inlet, Long Length	2401	Fan_Belt, Standard Position Water Pump
1203	Oil Filler Inlet, Short Length	* 2500	No Fan
1302	Crankshaft Pulley, Dual Groove	2501	Fan Blade, Blower
1403	Flywheel Housing, SAE No. 3	2502	Fan Blade, Suction
1404	Flywheel Housing, SAE No. 4	* 2700	No Radiator
1405	Flywheel Housing, SAE No. 2	2901	Vent Tube, R.H.
* 1500	No Flywheel	2902	Vent System, Flexible
1501	Flywheel, Engine, Overcenter Clutch, 10"	2903	Vent Tube, L.H.
	(254 mm)	* 3000	No Starting Motor
1502	Flywheel, Spring Loaded Clutch, 12" (305 mm)	3001	Starting System, SAE No. 2 and No. 4 Flywheel Housing
1503	Flywheel, Damper Clutch	3002	Starting Motor, SAE No. 2 and No. 3
1504	Flywheel, Spring Loaded Clutch, 12" (305		Flywheel Housing
	mm)	3003	Starting Motor, Sealed
1505	Flywheel, Overcenter Clutch, 11-1/2" (292	* 3100	No Alternator
	mm)	3102	Electrical System, 55 Ampere
1602	Injection System, Regular Governor	3103	Electrical System, 72 Ampere
1603	Injection System, 3% - 5% Governor	3104	Electrical System, 22 Ampere
1605	Injection System Regular Governor	* 3200	No Instrument Panel
	(California Certified)	* 3300	No Tachometer
* 1800	No Air Cleaner	* 3400	No Hourmeter
1904	Oil Pan, Bottom Drain	* 3800	No Manuals
1907	Oil Pan, Bottom Drain	3801	Manuals, Operator and Parts
2001	Water Pump, Standard Position	* 5300	No Enclosure
,	Trails . dirip; Ciariadia i Collon	* 5800	No PTO and Clutch

^{*}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.

ACCESSORY CODE PLATE (Without Turbocharger)

T35527

To assist your John Deere dealer in giving you prompt and efficient service, a code plate is attached to your John Deere engine. This code plate will identify parts that are unique to the original equipment manufacturer's application by option code. The basic engine code identifies the engine model.

Basic Engine Code: 1051F

Option		Option	
Codes	Description	Codes	Description
1101	Rocker Arm Cover, Center Filler	I*2200	No Thermostat
1102	Rocker Arm Cover, No Filler	2204	Thermostat, 180°F (82°C)
1200	Oil Filler Cover	*2400	No Fan Belt
1201	Oil Filler Inlet, Medium Length	2401	Fan Belt, Standard Position Water Pump
1202	Oil Filler Inlet, Long Length	* 2500	No Fan
1203	Oil Filler Inlet, Short Length	2501	Fan Blade, Blower
1301	Crankshaft Pulley, Single Groove	2502	Fan Blade, Suction
1403	Flywheel Housing, SAE No. 3	* 2700	No Radiator
1404	Flywheel Housing, SAE No. 4	* 2800	No Exhaust Manifold
1405	Flywheel Housing, SAE No. 2	2801	Exhaust System, Rear Down
*1500	No Flywheel	2802	Exhaust System, Rear Vertical
1501	Flywheel, Engine, Overcenter Clutch, 10"	2803	Exhaust System, Front Vertical
	(254 mm)	2807	Exhaust System, Rear Vertical
1502	Flywheel, Spring Loaded Clutch, 12"	2808	Exhaust System, Front Vertical
	(305 mm)	* 2900	No Vent System
1503	Flywheel, Damper Clutch	2901	Vent Tube, R.H.
1504	Flywheel, Spring Loaded Clutch, 12" (305	2902	Vent System, Flexible
*	mm)	2903	Vent Tube, L.H.
1505	Flywheel, Overcenter Clutch, 11-1/2"	* 3000	No Starting Motor
	(292 mm)	3001	Starting System, SAE No. 2 and No. 4
1602	Injection System, Regular Governor		Flywheel Housing
1603	Injection System, 3% - 5% Governor	3002	Starting Motor, SAE No. 2 and No. 3
* 1700	No Air Inlet		Flywheel Housing
1701	Air Intake, Medium Length	3003	Starting Motor, Sealed
1702	Air Intake, 10" (254 mm) Long	* 3100	No Alternator
1703	Air Intake, Short Length	3101	Electrical System, 35 Ampere
1704	Air Intake, 12" (305 mm) Long	3102	Electrical System, 55 Ampere
*1800	No Air Cleaner	* 3200	No Instrument Panel
1901	Oil Pan, Bottom or Rear Drain	* 3300	No Tachometer
1902	Oil Pan, Rear Drain	* 3400	No Hourmeter
1903	Oil Pan, Bottom Drain	* 3800	No Manuals
2001	Water Pump, Standard Position	3801	Manuals, Operator and Parts
*2100	No Thermostat Cover	* 5300	No Enclosure
2101	Thermostat Cover, Horizontal	* 5800	No PTO and Clutch
2102	Thermostat Cover, Vertical		

*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.

EXPLANATION OF 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. Parts used with all codes are listed as parts common (see example, key 1). Parts that are used only with a specific code (see example, code 2901; keys 2, 3, 4 and 5) have been listed separately under the heading "Additional Parts For Code 2901." Parts that are used only with code 2902 (see example; keys 6, 7 and 8) have been listed separately under the heading "Additional Parts For Code 2902."

EXAMPLE

Key	Part No.	Se	rial No.	Description
Parts	s Comm	on to Cod	e 2901,	2902 and 2903
1	R 495 I	R (-)	O-ring
Add	itional Pa	arts Used	with Co	ode 2901
3	T 28207 19H 1813 24H 1685 R 40791	(Tube, vent Screw, cap, 5/16" x 5/8" Washer, 11/32" x 3/4" x .075" Clamp
Add	itional Pa	arts Used	with Co	ode 2902
7	AT 25192 AR 21837 H 36031	(- - - }	Elbow, 90° Clamp Hose, 3/4" x 36" (19 mm x 914 mm)
Add	itional P	arts Used	with Co	ode 2903
4 5	19H 1813 24H 1685 R 40791 T 20074	(- - - -	Screw, cap, 5/16" x 5/8" Washer, 11/32" x 3/4" x .075" Clamp Tube, vent

OPTION CODE PAGE REFERENCE

Functional Code Group No.	Description	Page No.
11	Rocker Arm Cover	10-26,10-27
12	Engine Oil Filler Inlet and Inlet Cover	10-21,10-29
13	Crankshaft Pulley	10-12,10-13
14	Flywheel Housing	10-24,10-25
15	Engine Flywheel	10-23
16	Fuel Injection System	25-5,25-6
	Fuel Injection Pump	30-1 thru 30-31
17	Air Inlet	15-1,15-2
19	Engine Oil Pan	10-18,10-19,10-20
20	Water Pump Assembly	20-5,20-6
21	Thermostat Housing and Cover	20-1,20-2
22	Engine Thermostat	20-3
24	Fan Belt	20-8
25	Fan Blade Assembly	20-7
28	Exhaust Manifold	15-3,15-4
29	Engine Ventilating System	10-28
30	Starting Motor	35-2 thru 35-12
31	Alternator	40-1 thru 40-9

TO THE CUSTOMER

The part numbers in this catalog were correct at the time your engine was manufactured. It is our policy to constantly improve our engines and, therefore, part numbers may change. When ordering parts, verify part numbers through your dealer's catalog which is up to date.

AN EXPLANATION OF CHANGE INDICATOR LINE

New and revised information is identified by vertical lines marked in the left-hand margin of revised pages. These lines indicate changes affecting the ordering of parts.

AN EXPLANATION OF SERIAL NUMBER INFORMATION

One serial number range is used on the 4276D and 4276T Engine. An individual serial number is assigned to each engine.

Serial number information is listed parenthetically to show on which engines each part can be used. These listings are explained by the following examples.

(-) The part can be used on all engines.
 (000000-) The part can be used on all engines beginning with the serial listed.
 (-000000) The part can be used on all engines up to and including serial number listed.
 (000000-000000) The part can be used on all engines between and including the serial numbers listed.

Where XXXXXX's are listed in place of a serial number it indicates a serial number change was made but the exact serial number had not been established when the catalog went to press.

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. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5 or lower.

SI UNITS OF MEASURE

This parts catalog contains SI metric equivalents which follow in parentheses immediately after the U.S. customary unit of measure.

COMPLETE GOODS LISTINGS

Complete goods are listed in bold face type. Order separately. Do not include on replacement part order.

SECTIONAL INDEX

Section 5 - General Information

Section 10 - Engine

Section 15 - Intake and Exhaust System

Section 20 - Cooling System

Section 25 - Fuel System

Section 30 - Fuel Injection Pump

Section 35 - Starting Motors

Section 40 - Alternator and Regulator

Section 45 - Decals, Labels, and Kits

Section 50 - Numerical Index

ALPHABETICAL INDEX

GRID		PAGE 1	GRID		PAGE
Gind	Α		B21	COVER, ENGINE OIL FILLER	10-21
	^		D22	COVER, GOVERNOR HOUSING	30-14
		40.04		COVER, GOVERNOR HOUSING	30-33
B21	ADAPTER, OIL FILTER	10-21	E7	COVER, GOVERNOR HOUSING	10.22
C9	AIR INLET		B22	COVER, OIL COOLER	10-22
C10	AIR INLET	15-2	СЗ	COVER, ROCKER ARM	10-20
F5	ALTERNATOR	40-1	C4	COVER, ROCKER ARM	10-27
F6	ALTERNATOR	40-2	C16	COVER, THERMOSTAT	20-1
F7	ALTERNATOR	40-3	C17	COVER, THERMOSTAT	20-2
F8	ALTERNATOR		C7	COVER, TIMING GEAR	10-30
F9	ALTERNATOR	40-5	B12	CRANKSHAFT ENGINE	10-12
F10	ALTERNATOR		B13	CRANKSHAFT ENGINE	10-13
F11	ALTERNATOR		B12	CRANKSHAFT IDLER GEAR	10-12
	ALTERNATOR	40-8	B13	CRANKSHAFT IDLER GEAR	10-13
F12	ALTERNATOR		B12	CRANKSHAFT PULLEY	10-12
F13	ALTERNATOR PRACKET	40-9		CRANKSHAFT PULLEY	10-13
F 7	ALTERNATOR BRACKET		B13	CYLINDER BLOCK	10-15
F8	ALTERNATOR BRACKET	40-4	B3	CYLINDER BLOCK	10-1
F9	ALTERNATOR HOUSINGS	40-5	B4	CYLINDER BLOCK	10-2
F9	ALTERNATOR PULLEY		B10	CYLINDER HEAD	10-9
F10	ALTERNATOR PULLEY	40-6	B11	CYLINDER HEAD	
F11	ALTERNATOR PULLEY	40-7	B10	CYLINDER HEAD GASKET	10-9
F12	ALTERNATOR PULLEY	40-8	B11	CYLINDER HEAD GASKET	10-10
F13	ALTERNATOR PULLEY	40-9	В7	CYLINDER LINER KIT	10-5
B14	ARMS, ROCKER	10-14	В8	CYLINDER LINER KIT	10-7
B15	ARMS, ROCKER		B9	CYLINDER LINER KIT	
	ASSEMBLY, SHORT BLOCK		B7	CYLINDER LINER LUBRICANT	10-5
B3			B7	CYLINDER LINERS	10-5
B4	ASSEMBLY, SHORT BLOCK		6/	CYLINDER LINERS	10-5
É17	ASSEMBLY, SWITCH				
D12	AUTOMATIC ADVANCE, FUEL INJECTION PUMP			-	
D19	AUTOMATIC ADVANCE, FUEL INJECTION PUMP			D	
E 6	AUTOMATIC ADVANCE, FUEL INJECTION PUMP	30-22			
E11	AUTOMATIC ADVANCE, FUEL INJECTION PUMP	30-27	B6	DIPSTICK, ENGINE OIL	10-4
			B6	DIPSTICK, ENGINE OIL	. 10-4
	•		E17	DRIVE HOUSING, STARTING MOTOR	. 35-3
	В		E20	DRIVE HOUSING, STARTING MOTOR	. 35-6
	В		E20 F2		
B5		10-3		DRIVE HOUSING, STARTING MOTOR DRIVE HOUSING, STARTING MOTOR	
B5 B8	BALANCER SHAFT, ENGINE				
B8	BALANCER SHAFT, ENGINE	10-7		DRIVE HOUSING, STARTING MOTOR	
B8 B9	BALANCER SHAFT, ENGINE	10-7 10-8			
B8 B9 B16	BALANCER SHAFT, ENGINE	10-7 10-8 10-16	F2	DRIVE HOUSING, STARTING MOTOR	. 35-11
B8 B9 B16 C22	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN	10-7 10-8 10-16 20-8	F2 C11	DRIVE HOUSING, STARTING MOTOR	. 35-11
B8 B9 B16 C22 F7	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR	10-7 10-8 10-16 20-8 40-3	F2 C11 D15	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	. 35-11 . 15-3 . 30-7
B8 B9 B16 C22 F7 C21	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN	10-7 10-8 10-16 20-8 40-3 20-7	F2 C11 D15 D22	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	. 15-3 . 30-7 . 30-14
B8 B9 B16 C22 F7 C21 B3	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER	10-7 10-8 10-16 20-8 40-3 20-7 10-1	C11 D15 D22 E7	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	. 15-3 . 30-7 . 30-14 . 30-23
B8 B9 B16 C22 F7 C21 B3 B4	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2	C11 D15 D22 E7 E14	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30
B8 B9 B16 C22 F7 C21 B3	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3	C11 D15 D22 E7 E14 B5	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3
B8 B9 B16 C22 F7 C21 B3 B4	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4	C11 D15 D22 E7 E14 B5 B23	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23
B8 B9 B16 C22 F7 C21 B3 B4 F7	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	C11 D15 D22 E7 E14 B5 B23 B5	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-3
B8 B9 B16 C22 F7 C21 B3 B4 F7	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	C11 D15 D22 E7 E14 B5 B23	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-3
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	C11 D15 D22 E7 E14 B5 B23 B5	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	C11 D15 D22 E7 E14 B5 B23 B5 B22	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-23 . 10-22 . 10-4
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-4
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4	C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-4 . 10-21
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B6 B21 C6	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FLYWHEEL ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER COVER	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B6 B82 B6 B82 C6 B21	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-21
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAMSHAFT ENGINE	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21 C6 B21 B18	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILLER INLET ENGINE OIL FILTER	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-21 . 10-18
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21 C6 B21 B18 B19	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OIL PAN	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-21 . 10-18 . 10-19
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21 C6 B21 B18 B19 B20	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER ENGINE OIL FILLER ENGINE OIL FILLER ENGINE OIL FILLER ENGINE OIL PAN ENGINE OIL PAN ENGINE OIL PAN	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-23 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-21 . 10-18 . 10-19 . 10-20
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-14 10-15 10-16 10-26 10-27	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21 C6 B21 B18 B19 B20 B17	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL FAN ENGINE OIL PAN	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-24 . 10-4 . 10-21 . 10-29 . 10-21 . 10-18 . 10-19 . 10-20 . 10-17
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-14 10-15 10-16 10-26 10-27 10-29	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL FAN ENGINE OIL PAN ENGINE OIL PUMP	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-23 . 10-4 . 10-4 . 10-21 . 10-29 . 10-18 . 10-19 . 10-19 . 10-20 . 10-17
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-14 10-15 10-16 10-26 10-27 10-29 35-4	F2 C11 D15 D22 E7 E14 B5 B23 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OIL PUMP ENGINE OIL, TORQ-GARD SUPREME	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-23 . 10-4 . 10-4 . 10-21 . 10-29 . 10-18 . 10-19 . 10-19 . 10-20 . 10-17 . 45-5 . 45-3
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR COIL, STARTING MOTOR COIL, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-14 10-15 10-16 10-26 10-27 10-29 35-4 35-7	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 F17	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OIL TORQ-GARD SUPREME ENGINE OVERHAUL GASKET SET	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-17 . 10-18 . 10-19 . 10-17 . 45-5 . 45-3 . 45-4
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER CAP, OIL STARTING MOTOR COIL, STARTING MOTOR COIL, STARTING MOTOR COIL, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-15 10-16 10-26 10-27 10-29 35-4 35-7 35-10	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 F17 C16	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FLYWHEEL ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OIL FILTER ENGINE OVERHAUL GASKET SET ENGINE STORAGE KIT ENGINE THERMOSTAT	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-17 . 10-18 . 10-19 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER CAP, OIL STARTING MOTOR COIL, STARTING MOTOR COMMUTATOR END FRAME, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 F17	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OVERHAUL GASKET SET ENGINE THERMOSTAT ENGINE THERMOSTAT	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1 . 20-3
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21 F1	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER CAP, OIL STARTING MOTOR COIL, STARTING MOTOR COIL, STARTING MOTOR COIL, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 F17 C16	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILLER ENGINE OIL FAN ENGINE OIL PAN ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE TUNE-UP GASKET SET	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-18 . 10-19 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1 . 20-3 . 45-2
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21 F1 E22	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER CAP, OIL STARTING MOTOR COIL, STARTING MOTOR COMMUTATOR END FRAME, STARTING MOTOR	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8 10-7	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 C16 C18	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE FLYWHEEL ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL PAN ENGINE OVERHAUL GASKET SET ENGINE THERMOSTAT ENGINE THERMOSTAT	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-29 . 10-18 . 10-19 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1 . 20-3 . 45-2
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21 F1 E22 B8	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR COIL, STARTING MOTOR COMMUTATOR END FRAME, STARTING MOTOR CONNECTING ROD	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8 10-7 10-8	F2 C11 D15 D22 E7 E14 B5 B23 B5 B22 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 C18 F15	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILLER ENGINE OIL FAN ENGINE OIL PAN ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE TUNE-UP GASKET SET	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-22 . 10-4 . 10-21 . 10-21 . 10-29 . 10-18 . 10-19 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1 . 20-3 . 45-2 . 45-2
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B14 B15 B16 C3 C4 C6 E18 E21 F1 E22 B8 B9	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR COIL, STARTING MOTOR CONNECTING ROD CONNECTING ROD CONNECTING ROD	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8 10-7 10-8 10-7	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 C18 F15 F17	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILLER ENGINE OIL FAN ENGINE OIL PAN ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE TUNE-UP GASKET SET ENGINE TUNE-UP GASKET SET	. 15-3 . 30-7 . 30-14 . 30-23 . 30-30 . 10-3 . 10-23 . 10-23 . 10-24 . 10-4 . 10-21 . 10-21 . 10-18 . 10-19 . 10-20 . 10-17 . 45-5 . 45-3 . 45-4 . 20-1 . 20-3 . 45-2 . 45-4 . 10-28
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B15 B16 C3 C4 C6 E18 E21 F1 E22 B8 B9 B8	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR COIL, STARTING MOTOR COMMUTATOR END FRAME, STARTING MOTOR CONNECTING ROD CONNECTING ROD CONNECTING ROD BEARING CONNECTING ROD BEARING	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8 10-7 10-8	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 C16 C18 F17 C16 C18 F15 F17 C5 C5	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILTER ENGINE OIL FAN ENGINE OIL PAN ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE TUNE-UP GASKET SET ENGINE VALVE STEM LUBRICANT ENGINE VENT TUBE ENGINE VENTILATING SYSTEM	35-11 15-3 30-7 30-14 30-23 30-30 10-3 10-23 10-23 10-21 10-4 10-21 10-29 10-21 10-18 10-19 10-20 10-17 45-5 45-3 45-4 20-1 20-3 45-2 45-4 10-28 10-28
B8 B9 B16 C22 F7 C21 B3 B4 F7 F8 E18 F1 B15 B16 C3 C4 C6 E18 E21 F1 E22 B8 B9 B8 B9 F17	BALANCER SHAFT, ENGINE BEARING, CONNECTING ROD BEARING, CONNECTING ROD BEARING, MAIN BELT, FAN BELT, FAN AND ALTERNATOR BLADE, FAN BLOCK, CYLINDER BLOCK, CYLINDER BRACKET, ALTERNATOR BRACKET, ALTERNATOR BRUSHES, STARTING MOTOR BRUSHES, STARTING MOTOR C CAMSHAFT ENGINE CAP, MAIN BEARING CAP, OIL FILLER CAP, OIL FILLER CAP, OIL FILLER COIL, STARTING MOTOR COIL, STARTING MOTOR COMMUTATOR END FRAME, STARTING MOTOR CONNECTING ROD CONNECTING ROD CONNECTING ROD CONNECTING ROD CONNECTING ROD CONNECTING ROD	10-7 10-8 10-16 20-8 40-3 20-7 10-1 10-2 40-3 40-4 35-4 35-10 10-16 10-26 10-27 10-29 35-4 35-7 35-10 35-8 10-7 10-8 45-4	F2 C11 D15 D22 E7 E14 B5 B23 B6 B6 B21 C6 B21 B18 B19 B20 B17 F18 F16 C16 C18 F17 C5 C5 B14	E ELBOW, EXHAUST ELECTRIC SHUT-OFF, FUEL INJECTION PUMP ENGINE BALANCER SHAFT ENGINE BALANCER SHAFT ENGINE FRONT PLATE ENGINE OIL COOLER ENGINE OIL DIPSTICK ENGINE OIL DIPSTICK ENGINE OIL FILLER COVER ENGINE OIL FILLER INLET ENGINE OIL FILLER ENGINE OIL FILLER ENGINE OIL FAN ENGINE OIL PAN ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE THERMOSTAT ENGINE TUNE-UP GASKET SET ENGINE VALVE STEM LUBRICANT ENGINE VENTILATING SYSTEM ENGINE, CAMSHAFT	35-11 15-3 30-7 30-14 30-23 30-30 10-3 10-23 10-23 10-21 10-4 10-21 10-29 10-21 10-18 10-19 10-20 10-17 45-5 45-3 45-4 20-1 20-3 45-2 45-4 10-28 10-28

ALPHABETICAL INDEX - CONTINUED

GRID		PAGE I	GRID		PAGE
B15	ENGINE, CAMSHAFT		D17	FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-9
B12	ENGINE, CRANKSHAFT		D18		30-10
B13	ENGINE. CRANKSHAFT		D19		30-11
B8	ENGINE, PISTON		D20		30-12
B9	ENGINE, PISTON		D21		30-13
C11	EXHAUST ELBOW	1	D22	FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-14
C11	EXHAUST MANIFOLD	15-3	D23	FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-15
C12	EXHAUST MANIFOLD	15-4	E1	FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-16
B14	EXHAUST VALVES	10-14	E2	FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-17
B15	EXHAUST VALVES	10-15	E3	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
		Į	E4	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
	_	ĺ	E5		30-21
	F		E6	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
	EAN AND ALTERNATOR RELT	40.0	E7	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
F7 C22	FAN AND ALTERNATOR BELTFAN BELT		E8 E9	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
C21	FAN BLADE	1	E10	FUEL INJECTION PUMP OVERHAUL GASKET KIT FUEL INJECTION PUMP OVERHAUL GASKET KIT	30-25
C19	FAN PULLEY		E11	FUEL INJECTION PUMP OVERHAUL GASKET KIT	
C20	FAN PULLEY	1	E12		30-28
D3	FILTER, FUEL		E13		30-29
C1	FLYWHEEL HOUSING		E14		30-30
C2	FLYWHEEL HOUSING	10-25	E5	FUEL INJECTION PUMP SHUT-OFF LINKAGE	30-21
C1	FLYWHEEL HOUSING GASKET		D10	FUEL INJECTION TRANSFER PUMP	30-2
C2	FLYWHEEL HOUSING GASKET	10-25	D17	FUEL INJECTION TRANSFER PUMP	30-9
B23	FLYWHEEL RING GEAR	10-23	E2	FUEL INJECTION TRANSFER PUMP	30-17
B23	FLYWHEEL, ENGINE	10-23	E9	FUEL INJECTION TRANSFER PUMP	30-25
B5	FRONT PLATE, ENGINE	10-3	D3	FUEL LINES	25-3
D3	FUEL FILTER		D2	FUEL TRANSFER PUMP	25-2
D18	FUEL INJECTION HEAD AND ROTOR				
E1	FUEL INJECTION HEAD AND ROTOR			_	
E10	FUEL INJECTION HEAD AND ROTOR			G	
D5	FUEL INJECTION LINES				
D6	FUEL INJECTION LINES		D9	GASKET OVERHAUL KIT	
D4	FUEL INJECTION NOZZLE		F16	GASKET SET, ENGINE OVERHAUL	
D5 D6	FUEL INJECTION PUMP		F15 B10	GASKET SET, ENGINE TUNE-UP	
D12	FUEL INJECTION PUMP AUTOMATIC ADVANCE		B10	GASKET, CYLINDER HEAD	
D19	FUEL INJECTION PUMP AUTOMATIC ADVANCE		C1	GASKET, FLYWHEEL HOUSING	
E6	FUEL INJECTION PUMP AUTOMATIC ADVANCE		C2	GASKET, FLYWHEEL HOUSING	
E11	FUEL INJECTION PUMP AUTOMATIC ADVANCE		B18	GASKET, OIL PAN	
D15	FUEL INJECTION PUMP ELECTRIC SHUT-OFF	30-7	B19	GASKET, OIL PAN	
D22	FUEL INJECTION PUMP ELECTRIC SHUT-OFF		C3	GASKET, ROCKER ARM COVER	10-26
E7	FUEL INJECTION PUMP ELECTRIC SHUT-OFF		C4	GASKET, ROCKER ARM COVER	10-27
E14	FUEL INJECTION PUMP ELECTRIC SHUT-OFF		C7	GASKET, TIMING GEAR	10-30
D13	FUEL INJECTION PUMP GOVERNOR		B12	GEAR, CRANKSHAFT IDLER	
D20	FUEL INJECTION PUMP GOVERNOR		B13	GEAR, CRANKSHAFT IDLER	
E3	FUEL INJECTION PUMP GOVERNOR		B17	GEARS, OIL PUMP	
E4	FUEL INJECTION PUMP GOVERNOR		D22	GOVERNOR HOUSING COVER	
E12 D11	FUEL INJECTION PUMP GOVERNOR FUEL INJECTION PUMP HEAD AND ROTOR		E7	GOVERNOR HOUSING COVER	
D9	FUEL INJECTION PUMP HOUSING		D13 D20	GOVERNOR, FUEL INJECTION PUMP	
D23	FUEL INJECTION PUMP HOUSING		E3	GOVERNOR, FUEL INJECTION PUMP	
E6	FUEL INJECTION PUMP HOUSING	30-22	E4	GOVERNOR, FUEL INJECTION PUMP	
E8	FUEL INJECTION PUMP HOUSING	30-24	E12	GOVERNOR, FUEL INJECTION PUMP	
D16	FUEL INJECTION PUMP HOUSING AND DRIVE			dovernon, roce mocorion, rom	00 20
D23	FUEL INJECTION PUMP HOUSING AND DRIVE				
E8	FUEL INJECTION PUMP HOUSING AND DRIVE			Н	
D14	FUEL INJECTION PUMP LINKAGE	30-6			
D21	FUEL INJECTION PUMP LINKAGE		D18	HEAD AND ROTOR, FUEL INJECTION	30-10
E13	FUEL INJECTION PUMP LINKAGE		E1	HEAD AND ROTOR, FUEL INJECTION	
D10	FUEL INJECTION PUMP OVERHAUL GASKET KIT		E10	HEAD AND ROTOR, FUEL INJECTION	
D11	FUEL INJECTION PUMP OVERHAUL GASKET KIT		D11	HEAD AND ROTOR, FUEL INJECTION PUMP	
D12	FUEL INJECTION PUMP OVERHAUL GASKET KIT		B10	HEAD, CYLINDER	
D13	FUEL INJECTION PUMP OVERHALL CASKET KIT		B11	HEAD, CYLINDER	
D14 D15	FUEL INJECTION PUMP OVERHAUL GASKET KIT FUEL INJECTION PUMP OVERHAUL GASKET KIT		C1	HOUSING, FLYWHEEL	
D15	FUEL INJECTION PUMP OVERHAUL GASKET KIT		C2	HOUSING, FLYWHEEL	
	HOLD HON I DIME OVERHAUL GASKET KIT	30-0	B22	HOUSING, OIL COOLER	10-22
5-6	OEA	A ENGINES	ALD ACC	ESSORIES - 4276D AND 4276T PC-1469 (15-FER-78) LITHO	IN II C A

PUMP HOUSING, FUEL INJECTION 30-15

PUMP HOUSING, FUEL INJECTION 30-22

ALPHABETICAL INDEX - CONTINUED PAGE GRID PAGE GRID М C16 C17 MAIN BEARING 10-16 F9 B16 MAIN BEARING CAP 10-16 **B**16 E21 MAIN FRAME, STARTING MOTOR 35-7 ı C11 MANIFOLD, EXHAUST 15-4 C12 C9 INLET, AIR 15-1 E16 C10 E16 MOTOR, STARTING 35-3 R14 E17 INTAKE VALVES 10-15 MOTOR, STARTING 35-4 E18 MOTOR, STARTING 35-5 MOTOR, STARTING 35-6 E19 E20 MOTOR, STARTING 35-7 E21 E22 KIT, CYLINDER LINER...... 10-5 MOTOR, STARTING 35-9 В7 E23 KIT, CYLINDER LINER...... 10-7 B8 F1 89 KIT, CYLINDER LINER...... 10-8 F2 KIT, ENGINE STORAGE 45-4 MOTOR, STARTING 35-12 F17 F3 KIT, FUEL INJECTION PUMP OVERHAUL GASKET.... 30-2 KIT, FUEL INJECTION PUMP OVERHAUL GASKET.... 30-3 D10 D11 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-4 D12 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-5 D13 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-6 NOZZLE, FUEL INJECTION 25-4 D14 D4 KIT, FUEL INJECTION PUMP OVERHAUL GASKET.... 30-7 KIT, FUEL INJECTION PUMP OVERHAUL GASKET.... 30-8 D15 D16 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-9 D17 0 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-10 D18 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-11 D19 **B22** OIL COOLER COVER 10-22 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-12 D20 OIL COOLER HOUSING 10-22 B22 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-13 OIL COOLER, ENGINE 10-22 D21 B22 KIT, FUEL INJECTION PUMP OVERHAUL GASKET... 30-14 KIT, FUEL INJECTION PUMP OVERHAUL GASKET... 30-15 OIL FILLER CAP 10-26 D22 C3 OIL FILLER CAP 10-27 D23 C4 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-16 OIL FILLER CAP 10-29 E1 C6 OIL FILLER INLET, ENGINE 10-29 OIL FILTER ADAPTER 10-21 OIL FILTER, ENGINE 10-21 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-17 F2 C6 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-18 E3 B21 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-19 F4 B21 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-21 E5 C13 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-22 OIL PAN GASKET 10-18 OIL PAN GASKET 10-19 E6 **B18** KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-23 F7 **B19** KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-24 **E8** OIL PAN, ENGINE...... 10-18 B18 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-25 OIL PAN, ENGINE 10-19 OIL PAN, ENGINE 10-20 **E9 B**19 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-26 F10 B20 KIT, FUEL INJECTION PUMP OVERHAUL GASKET 30-27 E11 OIL PUMP GEARS 10-17 B17 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-28 E12 **B17** OIL PUMP, ENGINE 10-17 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-29 E13 KIT. FUEL INJECTION PUMP OVERHAUL GASKET 30-30 E14 D9 Р C20 KIT, REPAIR 20-6 RR PISTON ENGINE 10-7 PISTON ENGINE 10-8 PISTON RINGS...... 10-7 R8 PISTON RINGS...... 10-8 **B9 B**7 PULLEY, ALTERNATOR 40-5 F9 D3 F10 PULLEY, ALTERNATOR 40-7 PULLEY, ALTERNATOR 40-8 D5 F11 D6 F12 LINKAGE, FUEL INJECTION PUMP....... 30-6 D14 F13 PULLEY, ALTERNATOR 40-9 LINKAGE, FUEL INJECTION PUMP....... 30-13 D21 **B12**

B13

C19

C20

D9 D16

D23

E6 E8

LINKAGE, FUEL INJECTION PUMP SHUT-OFF 30-21

LUBRICANT, CYLINDER LINER 10-5

LUBRICANT, ENGINE VALVE STEM...... 45-4

F13

E5

В7

F17

ALPHABETICAL INDEX - CONTINUED

GRID		PAGE	GRID		PAGE
D5	PUMP, FUEL INJECTION	25-5	E17	STARTING MOTOR SOLENOID	35-3
D6	PUMP, FUEL INJECTION		E19	STARTING MOTOR SOLENOID	35-5
D10	PUMP, FUEL INJECTION TRANSFER		F2		35-11
D2	PUMP, FUEL TRANSFER	25-2	F3	STARTING MOTOR SOLENOID	
C19	PUMP, WATER	20-5	F17	STOP LEAK, COOLANT	45-4
C20	PUMP. WATER	20-6	E17	SWITCH ASSEMBLY	
B14	PUSH RODS		E23	SWITCH, SOLENOID	
			LZJ	SWITCH, SOLEWOID	00-3
B15	PUSH RODS	10-15			
				Ť	
	R				
	•••		C16	THERMOSTAT COVER	20-1
F5	DECLIFATOR VOLTAGE	40.4	C17	THERMOSTAT COVER	
	REGULATOR, VOLTAGE				
F6	REGULATOR, VOLTAGE		C16	THERMOSTAT HOUSING	
F7	REGULATOR, VOLTAGE		C17	THERMOSTAT HOUSING	20-2
F8	REGULATOR, VOLTAGE	40-4	C16	THERMOSTAT, ENGINE	20-1
C20	REPAIR KIT		C18	THERMOSTAT, ENGINE	20-3
B23	RING GEAR, FLYWHEEL		C7	TIMING GEAR COVER	
B8	RINGS, PISTON		C7	TIMING GEAR GASKET	
			1 -		
B9	RINGS, PISTON		F18	TORQ-GARD SUPREME ENGINE OIL	
C3	ROCKER ARM COVER		D17	TRANSFER PUMP, FUEL INJECTION	
C4	ROCKER ARM COVER		E2	TRANSFER PUMP, FUEL INJECTION	
C3	ROCKER ARM COVER GASKET	10-26	E9	TRANSFER PUMP, FUEL INJECTION	30-25
C4	ROCKER ARM COVER GASKET	10-27	C5	TUBE, ENGINE VENT	
B14	ROCKER ARM SHAFT		C14	TURBOCHARGER	
B15	ROCKER ARM SHAFT		C13	TURBOCHARGER OIL LINES	
			1 613	TURBUCHANGEN OIL LINES	10-0
B14	ROCKER ARMS				
B15	ROCKER ARMS	10-15	ļ .		
B8	ROD, CONNECTING	10-7		V	
B9	ROD, CONNECTING	10-8			
B14	RODS, PUSH		B14	VALVES, EXHAUST	10-14
B15	RODS, PUSH.		B15	VALVES, EXHAUST	
513	NODO, FOOTI	10-15			
			B14	VALVES, INTAKE	
			B14 B15	VALVES, INTAKEVALVES, INTAKE	
	S				10-15
	s		B15	VALVES, INTAKE	10-15 40-1
B14		10-14	B15 F5 F6	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2
B14 B15	SHAFT, ROCKER ARM		B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3
B15	SHAFT, ROCKER ARMSHAFT, ROCKER ARM	10-15	B15 F5 F6	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3
B15 B3	SHAFT, ROCKER ARM	10-15 10-1	B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3
B15 B3 B4	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY	10-15 10-1 10-2	B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3
B15 B3 B4 E23	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH	10-15 10-1 10-2 35-9	B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3
B15 B3 B4	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY	10-15 10-1 10-2 35-9	B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH	10-15 10-1 10-2 35-9 35-3	B15 F5 F6 F7	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR SOLENOID, STARTING MOTOR SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR STARTING MOTOR STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR STARTING MOTOR STARTING MOTOR STARTING MOTOR STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E19 E20 E21	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E19 E20 E21	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7 35-8	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10 35-11	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2 F3	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-6 35-7 35-9 35-10 35-11 35-12	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-6 35-7 35-9 35-10 35-11 35-12	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2 F3	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10 35-11 35-12 35-4	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2 F3 E18	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10 35-11 35-12	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 F1 E18	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR BRUSHES	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10 35-11 35-12 35-4 35-4 35-4	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E20 E21 E22 E23 F1 F2 F3 E18 E18 E18 E21	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL	10-15 10-1 10-2 35-9 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-5 35-6 35-7 35-8 35-9 35-10 35-11 35-12 35-12 35-4 35-10	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 E18 E18 E21 F1	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-2 35-3 35-4 35-6 35-7 35-10 35-11 35-12 35-4 35-10 35-7 35-10	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 F1 E18 E21 F1 E22	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COMMUTATOR END FRAME	10-15 10-1 10-2 35-9 35-3 35-5 35-11 35-12 35-2 35-3 35-4 35-5 35-6 35-7 35-10 35-11 35-12 35-4 35-10 35-10 35-10 35-10 35-10 35-10 35-10 35-10 35-10 35-10	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 E18 E18 E21 F1	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COMMUTATOR END FRAME STARTING MOTOR DRIVE HOUSING	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-7 35-8 35-10 35-11 35-12 35-4 35-10 35-4 35-10 35-10 35-8 35-8 35-10 35-10 35-8 35-8 35-9	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 E19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 F1 E18 E21 F1 E22	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COMMUTATOR END FRAME STARTING MOTOR DRIVE HOUSING STARTING MOTOR DRIVE HOUSING	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-7 35-8 35-10 35-12 35-4 35-10 35-4 35-10 35-4 35-10 35-4 35-10 35-3 35-3 35-3 35-3	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E20 E21 E22 E23 F1 F2 F3 E18 F1 E18 E18 F1 E18 E17 E18 E18 E19 E21 E22 E23 E17 E18 E18 E19 E20 E21 E22 E23 E19 E20 E21 E21 E22 E23 E23 E24 E25 E25 E25 E25 E25 E25 E25 E25 E25 E25	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COMMUTATOR END FRAME STARTING MOTOR DRIVE HOUSING STARTING MOTOR DRIVE HOUSING	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-7 35-8 35-10 35-12 35-4 35-10 35-4 35-10 35-4 35-10 35-4 35-10 35-3 35-3 35-3 35-3	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 E23 F1 F2 F3 E18 F1 E18 E11 E22 F3 E18 F1 E18 E21 F3 E16 E17 E22 E23 E17 E18 E19 E20 E21 E22 E23 E17 E22 E23 E23 E24 E25 E36 E36 E36 E36 E36 E36 E36 E36 E36 E36	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR DRIVE HOUSING STARTING MOTOR DRIVE HOUSING	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-7 35-8 35-10 35-12 35-4 35-10 35-4 35-10 35-11	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4
B15 B3 B4 E23 E17 F19 F2 F3 E16 E16 E17 E18 E19 E20 E21 E22 F3 E18 F1 E18 E19 F1 E22 F3 E18 F1 E19 F2 F3 E18 F1 F2 F3 E16 F3 F3 F3 F3 F4 F4 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5	SHAFT, ROCKER ARM SHAFT, ROCKER ARM SHORT BLOCK ASSEMBLY SHORT BLOCK ASSEMBLY SOLENOID SWITCH SOLENOID, STARTING MOTOR BRUSHES STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COIL STARTING MOTOR COMMUTATOR END FRAME STARTING MOTOR DRIVE HOUSING STARTING MOTOR DRIVE HOUSING	10-15 10-1 10-2 35-9 35-3 35-3 35-11 35-12 35-2 35-3 35-4 35-5 35-7 35-8 35-10 35-12 35-4 35-10 35-4 35-10 35-11	B15 F5 F6 F7 F8	VALVES, INTAKE VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR VOLTAGE REGULATOR W WATER PUMP	10-15 40-1 40-2 40-3 40-4

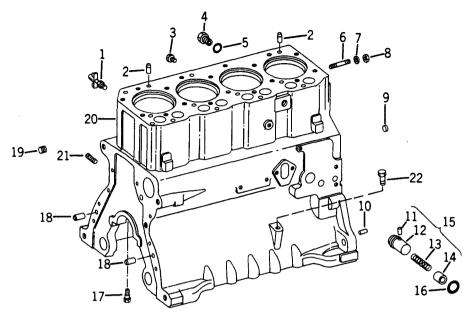
PAGE LIST

The following list contains all page numbers with latest date lines for this parts catalog. If a page does not have the date line indicated, the page is obsolete.

Page	Date Line	Page	Date Line	Page	Date Line
5-1,5-2	(15-FEB-78)	15-3,15-4	(15-FEB-78)	30-25,30-26	(15-FEB-78)
5-3,5-4	(15-FEB-78)	15-5,15-6	(15-FEB-78)	30-27,30-28	(15-FEB-78)
5-5,5-6	(15-FEB-78)	20-1,20-2	(15-FEB-78)	30-29,30-30	(15-FEB-78)
5-7.5-8	(15-FEB-78)	20-3,20-4	(15-FEB-78)	30-31,35-2	(15-FEB-78)
5-9,5-10	(15-FEB-78)	20-5,20-6	(15-FEB-78)	35-3,35-4	(15-FEB-78)
10-1,10-2	(15-FEB-78)	20-7.20-8	(15-FEB-78)	35-5,35-6	(15-FEB-78)
10-3,10-4	(15-FEB-78)	20-9,25-2	(15-FEB-78)	35-7,35-8	(15-FEB-78)
10-5,10-6	(15-FEB-78)	25-3,25-4	(15-FEB-78)	35-9,35-10	(15-FEB-78)
10-7,10-8	(15-FEB-78)	25-5,25-6	(15-FEB-78)	35-11,35-12	(15-FEB-78)
10-9.10-10	(15-FEB-78)	30-1,30-2	(15-FEB-78)	40-1,40-2	(15-FEB-78)
10-11,10-12	(15-FEB-78)	30-3,30-4	(15-FEB-78)	40-3,40-4	(15-FEB-78)
10-13,10-14	(15-FEB-78)	30-5,30-6	(15-FEB-78)	40-5,40-6	(15-FEB-78)
10-15,10-16	(15-FEB-78)	30-7,30-8	(15-FEB-78)	40-7,40-8	(15-FEB-78)
10-17,10-18	(15-FEB-78)	30-9,30-10	(15-FEB-78)	40-9.45-2	(15-FEB-78)
10-19.10-20	(15-FEB-78)	30-11,30-12	(15-FEB-78)	45-3,45-4	(15-FEB-78)
10-21,10-22	(15-FEB-78)	30-13,30-14	(15-FEB-78)	45-5,45-6	(15-FEB-78)
10-23,10-24	(15-FEB-78)	30-15,30-16	(15-FEB-78)	50-1,50-2	(15-FEB-78)
10-25,10-26	(15-FEB-78)	30-17,30-18	(15-FEB-78)	50-3,50-4	(15-FEB-78)
10-27,10-28	(15-FEB-78)	30-19,30-20	(15-FEB-78)	50-5,50-6	(15-FEB-78)
10-29,10-30	(15-FEB-78)	30-21,30-22	(15-FEB-78)	50-7,50-8	(15-FEB-78)
15-1,15-2	(15-FEB-78)	30-23,30-24	(15-FEB-78)	50-9,50-10	(15-FEB-78)

CYLINDER BLOCK (WITH TURBOCHARGER)

T51530F

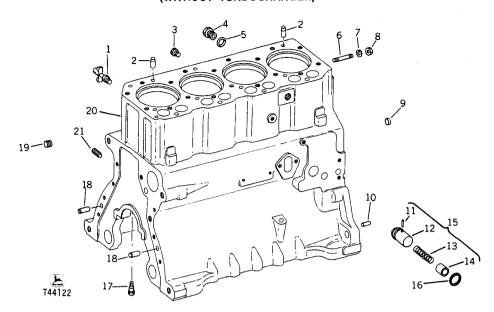


T51530F

KEY	PART NO.		SERIAL NO.	DESCRIPTION
1	AT 1374	0 (-	COCK, DRAIN
	R 5683	34 (- 325067 Š	PIN DOWEL (2 USED)
	R 2624	l1 (325068 -	PIN, DOWEL (2 USED)
3	15H 62	24	-	PLUG, PIPE, HEX. CTSK., 1/2"
4	R 3974	ł1 (- j	PLUG
5	U 1363	39 (- j	O-RING
6	T 3327	79 (-	STUD, TIMING GEAR COVER (2 USED)
	T 2570)1 (-)	STUD, WATER PUMP
7	12H 30		- <u> </u>	WASHER, LOCK, 3/8" (3 USED)
8	14H 81	12	-	NUT, 3/8" (3 USED)
9	T 1889	91 (-)	PLUG, SPECIAL (2 USED)
	R 2665	50 (- j	PIN, DOWEL (2 USED)
11	34H 18	34 (-	PIN, SPRING, 1/8" X 1-1/8"
12		(-)	HOUSING (SUB. AR63351)
	R 4662	25 R (-)	SPRING
14		(-	VALVE (SUB. AR63351)
15	AR 6335	51 (-	VALVE, OIL PRESSURE CONTROL
	A 473	30 R (-	O-RING
17	R 5480	02 (-	ORIFICE, PISTON COOLING (4 USED)
18	A 12	20 R (-	PIN, DOWEL (2 USED)
19	15H 66	65 (<u>-</u>	PLUG, PIPE, ŠQ. CTSK., 3/4"
20	AR 7380	05 (-	BLOCK, CYLINDER, WITH BUSHINGS, STUDS, DOWEL PINS, MAIN BEARING
		·	·	CAPS, AND PLUGS (MARKED R60832) (WITH TURBOCHARGER)
21	15H 55	58 (251002 -	PLUG, PIPE, HEX. CTSK., 1/8" (5 USED)
22	19H 189	95 (-	SCREW, CAP, 1/2" X 3/4" (WITH CODE 1907 ENGINE OIL DIPSTICK)
	AR 7649	95 (-	BLOCK ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLOCK ASSEMBLY,
		·	•	CRANKSHAFT, CAMSHAFT, TAPPETS, PISTONS, CONNECTING RODS,
				CYLINDER LINERS, FRONT PLATE, FRONT PLATE SET SCREWS, PIPE
				PLUG, PISTON COOLING ORIFICES, RELIEF VALVE SPRING, PUMP OUTLET
				TUBE, AND OVERHAUL GASKET SET (ALSO ORDER FOUR T20182 SPECIAL
				CAP SCREWS) (USE WITH SAE NO. 2 AND SAE NO. 3 FLYWHEEL
				HOUSINGS)
	AR 7649	94(<u> </u>	BLOCK ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLOCK ASSEMBLY,
				CRANKSHAFT, CAMSHAFT, TAPPETS, PISTONS, CONNECTING RODS,
				CYLINDER LINERS, FRONT PLATE, FRONT PLATE SET SCREWS, PIPE
				PLUG, PISTON COOLING ORIFICES, RELIEF VALVE SPRING, PUMP OUTLET
				TUBE, AND OVERHAUL GASKET SET (ALSO ORDER FOUR T20182 SPECIAL
				CAP SCREWS) (USE WITH SAE NO. 4 FLYWHEEL HOUSING)

T44122

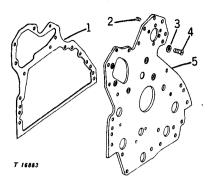
CYLINDER BLOCK (WITHOUT TURBOCHARGER)



1 AT 13740	KEY	PART NO.	SERIAL NO		DESCRIPTION
2 R 56834 (1			·	
R 26241 325068 - PIN, DOWEL (2 USED) 3 15H 624 - PLUG, PIPE, HEX. CTSK., 1/2" 4 R 39741 - PLUG, PIPE, HEX. CTSK., 1/2" 5 U 13639 - O-RING 6 T 33279 - STUD, TIMING GEAR COVER (2 USED) 7 T 25701 - STUD, WASHER, LOCK, 3/8" (3 USED) 8 14H 812 - WASHER, LOCK, 3/8" (3 USED) 9 T 18891 - PLUG, SPECIAL (2 USED) 10 R 26650 - PIN, DOWEL (2 USED) 11 34H 184 - PLUG, SPECIAL (2 USED) 11 34H 184 - PIN, SPRING, 1/8" X 1-1/8" 12 - SPRING 14 - SPRING 14 - SPRING 15 AR 63351 - SPRING 16 A 4730 R - SPRING 16 A 4730 R - SPRING 17 R 54802 - ORIFICE, PISTON COOLING (4 USED) 18 A 120 R - SPRING 18 A 120 R - PIN, DOWEL (2 USED) 19 15H 665 - PIN, DOWEL (2 USED) 19 15H 665 - PIN, DOWEL (2 USED) 10 AR 68319 - 355345 - BLOCK CYLINDER, WITH BUSHINGS, STUDS, DOWEL PINS, MAIN BEARING CAPS, AND PLUGS (MARKED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING AR 68315 - SESSA45 - BLOCK, CYLINDER, WITH BUSHINGS, STUDS, DOWEL PINS, MAIN BEARING CAPS, AND PLUGS (MARKED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 17 R 54802 - SPRING (ABPRED RS4620) (SUB. ONE AR73805 AND FOUR 18 A 120 R - PLUG, PIPE, SO. CTSK., 3/4" 19 LIGHT STANDER, STORDS, CONNECTING RODS, BEARING, CAPK, AND PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH 18 A 73800 (355346 - BLOCK, ASSEMBLY, CARNISHAFT, PISTONS, CONNECTING RODS, BEARING, CYLINDER LINERS, TAPPETS, FRONT PLATE, WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, CAMSHAFT, PISTON COOLING ORIFICES, PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH 18 A 76496 (- BLOCK, ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLOCK ASSEMBLY, FRONT PLATE, WITH CYLINDER BLOCK ASSEMBLY, FRONT PLATE, WITH CYLINDER BLOCK ASSEMBLY, FRONT PLATE, WITH CYLINDER BL	خ ز			า67 ใ	
3 15H 624 4 R 39741 5 U 13639 C-RING 5 U 13639 C-RING 6 T 33279 T 25701 T 25701 T 25701 STUD. TMINIG GEAR COVER (2 USED) STUD. WATER PUMP WASHER, LOCK 3/8" (3 USED) 8 14H 812 NUT, 3/8" (3 USED) 9 T 18891 10 R 26650 PIN, DOWEL (2 USED) 11 34H 184 PIN, SPRING, 1/8" X 1-1/8" HOUSING (SUB. AR63351) 13 R 46625 R SPRING 14 A 4730 R O-RING 15 A 4 4730 R O-RING 17 R 54802 O-RING 18 A 120 R PIN, DOWEL (2 USED) PIN, MAIN BEARING CAPS, AND PLUGS (MARKER RS4620) (SUB. ONE AR73805 AND FOUR T20182 SEE PAGE 10-10) PIN, DOWEL (2 USED) PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHELL HOUSING) (SUB. ONE AR73800 AND FOUR T20182 PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHELL HOUSING) (AUSO ORDER FOUR T20182 CAP SCREWS) PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHELL HOUSING) (AUSO ORDER FOUR T20182 CAP SCREWS) PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHELL HOUSING) (AUSO ORDER FOUR T20182 CAP SCREWS) PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (U	_			· ·	
4 R 39741	- 3			- {	
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6 T 33279 T 25701 T 25701 T 28701 T 28801 T 28801 T 18891 T 18891 T 26650 T 18891 T 26650 T 1910 T 26650 T	•			{	
T 25701					
7 12H 304 (-) WASHER, LOCK, 3/8" (3 USED) 8 14H 812	·				
8 14H 812 9 T 18891 10 R 26650 11 34H 184 12	7			(
9 T 18891 10 R 26650 11 34H 184 12 13 R 46625 R 15 PIN, SPRING, 1/8" X 1-1/8" 14 15 AR 63351 15 AR 63351 16 A 4730 R 17 R 54802 18 A 120 R 19 IN, DOWEL (2 USED) 19 IN, PRESSURE CONTROL 16 A 4730 R 10 O-RING 17 R 54802 18 A 120 R 19 I5H 665 19 PIN, DOWEL (2 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 PIN, DOWEL (2 USED) 10 PIN, DOWEL (2 USED) 11 SH 68319 12 AR 68319 13 SEPAGE 10-10 14 SEPAGE 10-10 15 AR 73805 15 SEPAGE 10-10 16 A 4730 R 16 A 120 R 17 R 54802 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING (4 USED) 19 I5H 665 10 ORIFICE, PISTON COOLING, WARKED RASE20) (SUB. ONE AR73805 AND FOUR T20182, SEE PAGE 10-10) 10 AR 73805 11 SEPAGE 10-10 11 SEPAGE 10-10 12 SEPAGE 10-10 13 SESSA6- 14 ORIFICE, WITH BUSHINGS, STUDS, DOWEL PINS, MAIN BEARING CAPS, AND PLUGS (MARKED RASE20) (SUB. ONE AR73805 AND FOUR T20182, SEE PAGE 10-10) 11 SEPAGE 10-10 12 SEPAGE 10-10 13 SEPAGE 10-10 14 ORIFICE, WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, CAMSHAFT, PISTONS, CONNECTING RODS, BEARINGS, CYLINDER LINERS, TAPPETS, FRONT PLATE, PISTON COOLING ORIFICES, PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (SUB. ONE AR73800 AND FOUR T20182 SPECIAL CAP SCREWS, SUBJECT, CONPLETE, WITH CYLINDER BLOCK ASSEMBLY, CRANKSHAFT, DISTON COOLING ORIFICES, PIPE PLUGS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (ALSO ORDER FOUR T20182 SPECIAL CAP SCREWS), SORREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (ALSO ORDER FOUR T20182 SPECIAL CAP SCREWS) (FOR PARTS SEE PAGE 10-10) (USE WITH SECIAL DESTITED SEE PAGE 10-10) (USE WITH SEE PAGE 10-10) (USE WIT	- 'A -				
10 R 26650 - PIN, DOWEL (2 ÜSED) 11 34H 184 - PIN, SPRING, 176" X 1-1/8" 12	_			ζ.	
11 34H 184	-			{	
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15 AR 63351					
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17				{	
18					
19 15H 665 (-) PLÜĞ PIPË, SQ. CTSK., 3/4" 20 AR 68319 (-355345) BLÖCK, CYLINDER, WITH BUSHINGS, STUDS, DÖWEL PINS, MAIN BEARING CAPS, AND PLUGS (MARKED R54620) (SUB. ONE AR73805 AND FOUR T20182, SEE PAGE 10-10) AR 73805 (355346 -) BLÖCK, CYLINDER, WITH BUSHINGS, STUDS, DÖWEL PINS, MAIN BEARING CAPS, AND PLUGS (MARKED R60832) 21 15H 558 (251002 -) PLUĞ, PIPE, HEX. CTSK., 1/8" (5 USED) AR 68315 (-355345) BLÖCK ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLÖCK ASSEMBLY, CRANKSHAFT, CAMSHAFT, PISTONS, CONNECTING RODS, BEARINGS, CYLINDER LINERS, TAPPETS, FRONT PLATE, PISTON COOLING ORIFICES, PIPE PLUĞS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (SUB. ONE AR73800 AND FOUR T20182 SPECIAL CAP SCREWS, SEE PAGE 10-10) AR 73800 (355346 -) BLÖCK ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLÖCK ASSEMBLY, CRANKSHAFT, CAMSHAFT, PISTONS, CONNECTING RODS, BEARINGS, CYLINDER LINERS, TAPPETS, FRONT PLATE, PISTON COOLING ORIFICES, PIPE PLUĞS, WASHERS, SCREWS, AND OVERHAUL GASKET SET (USE WITH SAE NO. 4 FLYWHEEL HOUSING) (ALSO ORDER FOUR T20182 CAP SCREWS) AR 76496 (-) BLÖCK ASSEMBLY, SHORT, COMPLETE, WITH CYLINDER BLÖCK ASSEMBLY, FRONT PLATE, CRANKSHAFT, PISTONS, CONNECTING RODS, CAMSHAFT, CYLINDER LINERS, TAPPETS, PISTON COOLING ORIFICES, PIPE PLUĞS, WASHERS, SCREWS AND OVERHAUL GASKET SET (LASO ORDER FOUR T20182 SPECIAL CAP SCREWS) (FOR PARTS SEE PAĞE 10-10) (USE WITH SPECIAL CAP SCREWS) (FOR PARTS SEE PAĞE 10-10) (USE WITH				ί.	
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SAE NO. 2 AND SAE NO. 3 FLYWHEEL HOUSINGS)					SAE NO. 2 AND SAE NO. 3 FLYWHEEL HOUSINGS)
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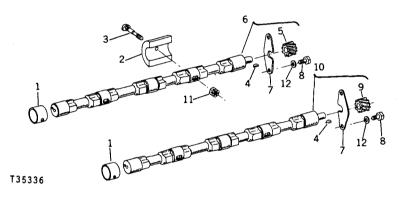
ENGINE FRONT PLATE



KEY	PAR	RT NO.	SERIAL I	NO.	DESCRIPTION
1	T	24965	()	GASKET
2	ΑT	21191	(-)	SCREW, SET, SPECIAL (2 USED)
	ΑT	22919	(-)	SCREW, SET, SPECIAL (2 USED)
3	12H	324	(-)	WASHER, LOCK, EXTERNAL-TOOTH, 3/8" (5 USED)
4	Т	20166	(-	ý	SCREW, CAP, SPECIAL (5 USED)
5	R	56057	- (ý	PLATE, FRONT (ALSO ORDER FIVE AT21191 SET SCREWS AND TWO AT22919
					SET SCREWS) (WITH TURBOCHARGER)
	R	56736	(-)	PLATE, FRONT (ALSO ORDER FIVE AT21191 SET SCREWS AND TWO AT22919
				·	SET SCREWS) (WITHOUT TURBOCHARGER)

T35336

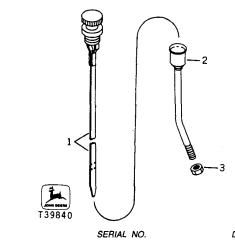
ENGINE BALANCER SHAFT

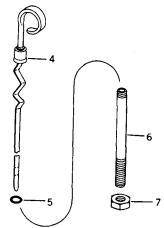


KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	R 57160	-) BUSHING (6 USED)
2	R 54635	(-) WEIGHT, BALANCER SHAFT (4 USED)
_3	T 28745	(-	BOLT, BALANCER SHAFT (4 USED)
4	T 28041		KEY (2 USED)
5	T 20133	(-) GEAR, L.H. (12 TEETH)
_6	AR 69711	(-	SHAFT, BALANCER, WITH GEAR, L.H. (MARKED R54634)
7	R 58007	-) PLATE, THRUST (2 USED)
8	19H 2021	(-) SCREW, CAP, 3/8" X 5/8" (4 USED)
_9	T 20130	_(-) GEAR, R.H. (12 TEETH)
10	AR 69710	(-	SHAFT, BALANCER, WITH GEAR, R.H. (MARKED R54634)
11	T 15634	(-) NUT, SPECIAL (4 USED)
12	12H 304) WASHER, LOCK, 3/8" (4 USED)

ENGINE OIL DIPSTICK



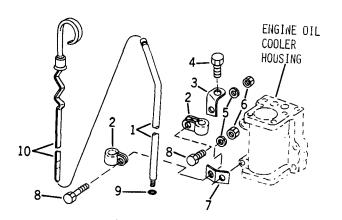




KEY	PART N	VO.	SERIAL NO.	DESCRIPTION	
1	AR 63	3348	(-) DIPSTICK (WITH TURBOCHARGER)	
2	AR 72	2889	(-) TUBE, DIPSTICK (WITH TURBOCHARGER)	
3	14H	826	(-) NUT, JAM, 1/2" (WITH TURBOCHARGER)	
4	AT 21	535	() DIPSTICK (WITHOUT TURBOCHARGER)	
5	R 27	7976	(-) O-RING (WITHOUT TURBOCHARGER)	
6	R 55	5300	-) TUBE, DIPSTICK (WITHOUT TURBOCHARGER)	
7	14H	826	(-) NUT, JAM, 1/2" (WITHOUT TURBOCHARGER)	

ENGINE OIL DIPSTICK (WITH TURBOCHARGER) CODE 1907 ENGINE OIL DIPSTICK

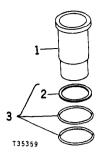
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KEY	PART NO.	SERIAL NO.	DESCRIPTION
1 /	AR 77020	() TUBE, DIPSTICK
2]	T 29299	(-) CLAMP (2 USED)
	R 60357	() BRACKET
	19H 2351	(-) SCREW, CAP, 1/2" X 1/2"
	12H 304	(-) WASHER, LOCK, 3/8" (2 USED)
_ 61	14H 812	·) NUT, 3/8" (2 USED)
7 F	R 59395	(-) BRACKET
8 1	<u>1</u> 9H 1134	(-) SCREW, CAP, 3/8" X 3/4" (2 USED)
9 1	F 3353 R	<u> </u>) O-RING
10 A	AR 69686	(-) DIPSTICK

T35359

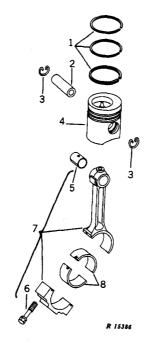
CYLINDER LINERS



KEY	PAI	RT NO.	SE	RIAL NO.		DESCRIPTION
1	R	54505		•)	LINER, CYLINDER (4 USED)
2	R	48767	į (-)	PACKING (4 USED)
3	AR	65507	(•)	KIT, O-RING, CYLINDER LINER (4 USED)
	AR	54749	(-	7	LUBRICANT, CYLINDER LINER PACKING (USED FOR CYLINDER LINER
	_					PACKING INSTALLATION)
	AR	71597		-	_)_	KIT, CYLINDER LINER (CONTAINS CYLINDER LINER, CYLINDER LINER
	_					PACKINGS AND PISTON WITH PISTON RINGS) (4 USED) (WITH
						TURBOCHARGER)
	AR	71596	(-)	KIT, CYLINDER LINER (CONTAINS CYLINDER LINER, CYLINDER LINER
						PACKINGS AND PISTON WITH PISTON RINGS) (4 USED) (WITHOUT
						TURBOCHARGER)

PISTON RINGS AND CONNECTING ROD (WITH TURBOCHARGER)

R15386



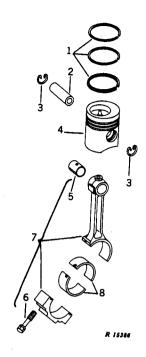
KEY	PAR	T NO.		SERIAL NO.	DESCRIPTION
1	DD	11831	* () RINGS, PISTON, STANDARD (SET OF 3 RINGS) (4 SETS USED)
2	R	56188	(-) PIN, PISTON (4 USED)
3	R	54114	(-) RING, SNAP (8 USED)
4	AR	66401	* (_) PISTON, WITH INSERT (4 USED)
5	R	57451	(<u>-</u>) BUSHING, CONNECTING ROD (4 USED)
6	R	56445	į.	_) SCREW, CONNECTING ROD (8 USED)
7	AR	66400	(-) ROD, CONNECTING, WITH SCREWS AND BUSHINGS (4 USED)
8	AR	69098	(_) BEARING, CONNECTING ROD (4 USED)
	AR	68413	(<u>-</u>) BEARING, CONNECTING ROD, .002" (0.05 MM) UNDERSIZE (4 USED)
	AR	68414	() BEARING, CONNECTING ROD, .010" (0.25 MM) UNDERSIZE (4 USED)
	AR	68415	Ò	-) BEARING CONNECTING ROD, 020" (0.51 MM) UNDERSIZE (4 USED)
	AR	68416	(-) BEARING, CONNECTING ROD, .030" (0.76 MM) UNDERSIZE (4 USED)

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND ONE R54505 CYLINDER LINER AND ONE AR68318 O-RING KIT (SEE PAGE 10-5):

. AR 71597 (-) KIT, CYLINDER LINER (CONTAINS CYLINDER LINER WITH O-RINGS AND PISTON WITH PISTON RINGS) (4 USED)

PISTON RINGS AND CONNECTING ROD (WITHOUT TURBOCHARGER)

R15386

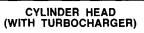


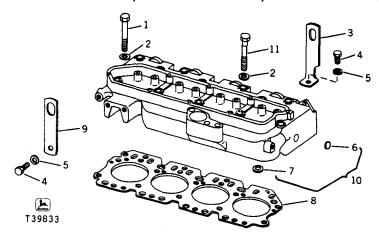
KEY	PART NO.		SERIAL NO.	DESCRIPTION
1	DD 11831	*	-) RINGS, PISTON, STANDARD (SET OF 3 RINGS) (4 SETS USED)
2	R 51731	((-) PIN, PISTON (4 USED)
_3	M 41029		() RING, SNAP (8 USED)
4	AR 63342	*	· -) PISTON, WITH INSERT (4 USED)
5	R 57450		(-) BUSHING CONNECTING ROD (4 USED)
6	R: 56445		(-) SCREW, CONNECTING ROD (8 USED)
7	AR 63023) ROD, CONNECTING, WITH SCREWS AND BUSHING (4 USED)
8	AR 69098		() BEARING, CONNECTING ROD (4 USED)
	AR 68413		(-) BEARING, CONNECTING ROD, .002" (0.05 MM) UNDERSIZE (4 USED)
	AR 68414	_(-) BEARING, CONNECTING ROD010" (0.25 MM) UNDERSIZE (4 USED)
	AR 68415		<u> </u>) BEARING, CONNECTING ROD, .020" (0.51 MM) UNDERSIZE (4 USED)
	AR 68416		<u> </u>) BEARING, CONNECTING ROD, .030" (0.76 MM) UNDERSIZE (4 USED)

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND ONE R54505 CYLINDER LINER AND ONE AR68318 O-RING KIT (SEE PAGE 10-5):

... AR 71596 (-) KIT, CYLINDER LINER (CONTAINS CYLINDER LINER WITH O-RINGS AND PISTON WITH PISTON RINGS) (4 USED)

T39833



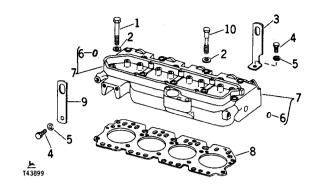


KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	53223	(•	SCREW, CAP, SPECIAL (14 USED)
2	T	20168	Ì	-) WASHER, SPECIAL (18 ÚSED)
3	R	62380	(-	STRAP, FRONT, ENGINE LIFT
4	19H		(-) SCREW, CAP, 1/2" X 1" (2 USED)
5	12H		(-) WASHER, LOCK, 1/2" (2 USED)
6	Α	3910 R	() PLUG (2 USED)
7	R	51734	(-) INSERT, EXHAUST VALVE (4 USED)
	R	57079	(<u>-</u>) INSERT, INTAKE VALVE (4 USED)
8	R	59448	(- 406734) GASKET, CYLINDER HEAD
	R	59448	* (406735-) GASKET, CYLINDER HEAD (MARKED WITH A RED DOT) (USE WITH CYLINDER
					BLOCKS STAMPED "S")
_	R	64152	* (406735 -) GASKET, CYLINDER HEAD (MARKED WITH A YELLOW DOT AND HAS A "V"
					NOTCH) (USE WITH CYLINDER BLOCKS STAMPED "T")
9	T	26509	(-) STRAP, REAR, ENGINE LIFT
10	AR	68341	(<u> </u>) HEAD, CYLINDER, WITH PLUGS AND INSERTS (MARKED R57078)
11	T	20182	(-) SCREW, CAP, SPECIAL (4 USED)

*NOTE: "S" OR "T" IS STAMPED ON RIGHT HAND SIDE OF ENGINE AT FRONT LOCATING PAD:

CYLINDER HEAD (WITHOUT TURBOCHARGER)

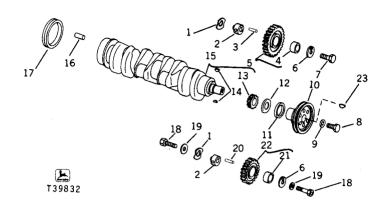
T43899



PAR	RT NO.		SERIAL NO.	DESCRIPTION
R	53223		- 355345	SCREW, CAP, SPECIAL (18 USED)
R	53223	(355346 -) SCREW, CAP, SPECIAL (14 USED)
T	20168		(-) WASHER, SPECIAL (18 USED)
T	26508		· -	STRAP, FRONT, ENGINE LIFT
19H	1792		-) SCREW, CAP, 1/2" X 1" (2 USED)
12H	301	i	} - ·) WASHER, LOCK, 1/2" (2 USED)
Α	3910 R		-	PLUG (2 USED)
AR	62452		`) HEAD, CYLINDER, WITH PLUGS (MARKED R54560 OR R56790)
R	56573		- 325067) GASKET, CYLINDER HEAD
R	59448		325068 - 406734	GASKET, CYLINDER HEAD
R	59448	*	(406735 -) GASKET, CYLINDER HEAD (MARKED WITH A RED DOT) (USE WITH CYLINDER
			•	BLOCKS STAMPED "S")
R	64152	*	(406735 -) GASKET, CYLINDER HEAD (MARKED WITH A YELLOW DOT AND HAS A "V"
			•	NOTCH) (USE WITH CYLINDER BLOCKS STAMPED "T")
Т	26509		(-) STRAP, REAR, ENGINE LIFT
T	20182		355346 -	SCREW, CAP, SPECIAL (4 USED)
	R R T T 19H 12H A AR R R	R 53223 T 20168 T 26508 19H 1792 12H 301 A 3910 R AR 62452 R 56573 R 59448 R 59448 R 64152 T 26509	R 53223 R 53223 T 20168 T 26508 19H 1792 12H 301 A 3910 R AR 62452 R 56573 R 59448 R 59448 * R 64152 *	R 53223 (-355345 R 53223 (355346 - T 20168 (- T 26508 (- 19H 1792 (- 12H 301 (- A 3910 R (- AR 62452 (- R 56573 (-325067 R 59448 * (406735 - R 64152 * (406735 - T 26509 (-

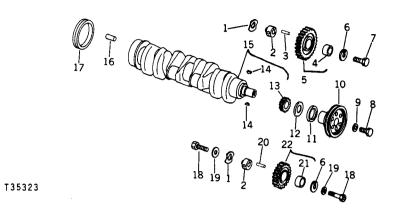
*NOTE: "S" OR "T" IS STAMPED ON RIGHT HAND SIDE OF ENGINE AT FRONT LOCATING PAD:

CRANKSHAFT AND IDLER GEARS (WITH TURBOCHARGER) CODE 1302 CRANKSHAFT PULLEY, DUAL GROOVE



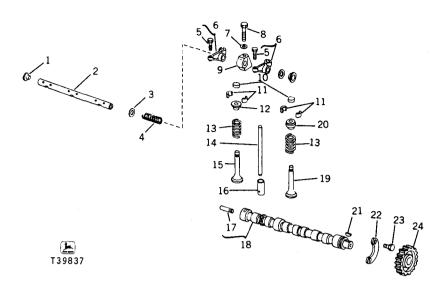
KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	T 26324	() WASHER, INNER THRUST (2 USED)
2	T 26323	(-) SHAFT IDLER GEAR (2 USED)
3	34H 283	(-) PIN, SPRING, 3/16" X 1-1/8"
4	T 20034	(-) BUSHING
5	AT 18009	· () GEAR, CRANKSHAFT UPPER IDLER, WITH BUSHING (MARKED T20029)
6	T 26326	(-) WASHER, OUTER THRUST (2 USED)
7	T 26327	(-	BOLT, PLACE
8	19H 1721	· -) SCREW, CAP, 1/2" X 1-1/2"
9	T 20217	(-) WASHER, SPECIAL
10	R 56048	(-) PULLEY
11	AR 67942	(-	SEAL, OIL, FRONT
12	T 20046	(-	SLINGER
13	T 20094	() GEAR, CRANKSHAFT
14	26H 72	(-) KEY, WOODRUFF, 1/8" X 5/8" (2 USED)
15	AR 62362	(-) CRANKSHAFT WITH GEAR, KEY AND DOWEL PIN (MARKED R54501)
16	T 26565	(-) PIN, DOWEL
17	AT 22965	(-) SEAL, OIL, REAR, WITH WEAR RING
18	T 26325	· -) BOLT, PLACE (2 USED)
19	R 42364	(-) WASHER, SPECIAL (2 USED)
20	34H 286	(-) PIN, SPRING, 3/16" X 1-1/2"
21	T 26321	() BUSHING
22	AT 24252	(-) GEAR, CRANKSHAFT LOWER IDLER, WITH BUSHING (MARKED T26322)
23	T 23604	(-) KEY

CRANKSHAFT AND IDLER GEARS (WITHOUT TURBOCHARGER) CODE 1301 CRANKSHAFT PULLEY, SINGLE GROOVE



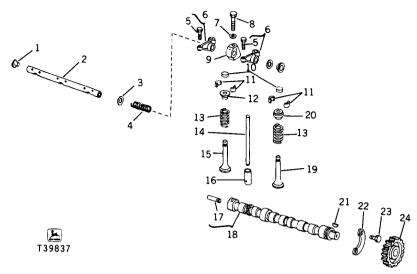
KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	T 26324	7) WASHER, INNER THRUST (2 USED)
2	T 26323	(-) SHAFT, IDLER GEAR (2 USED)
3	34H 283	ì -) PIN, SPRING, 3/16" X 1-1/8"
4	T 20034	-) BUSHING
5	AT 18009	(-) GEAR, CRANKSHAFT UPPER IDLER, WITH BUSHING (MARKED T20029)
6	T 26326	(-) WASHER, OUTER THRUST (2 USED)
7	T 26327	-	BOLT, PLACE
8	19H 1721	(-) SCREW, CAP, 1/2" X 1-1/2"
9	T 20217	(-) WASHER, SPECIAL
10	T 24440	-	PULLEY
11	AR 67942	(-	SEAL, OIL, FRONT
12	T 20046	(-) SLINGER
13	T 20094	-) GEAR, CRANKSHAFT
14	26H 72	(-) KEY, WOODRUFF, 1/8" X 5/8" (2 USED)
15	AR 62362	(-	CRANKSHAFT WITH GEAR, KEY AND DOWEL PIN (MARKED R54501)
16	T 26565	(-) PIN, DOWEL
17	AT 22965	(-) SEAL, OIL, REAR, WITH WEAR RING
18	T 26325	(-) BOLT, PLACE (2 USED)
19	R 42364	-) WASHER, SPECIAL (2 ÚSED)
20	34H 286	<u>(</u> -) PIN, SPRING, 3/16" X 1-1/2"
21	T 26321	<u>(</u> -) BUSHING
22		-	GEAR, CRANKSHAFT LOWER IDLER, WITH BUSHING (MARKED T26322)

CAMSHAFT, ROCKER ARMS, AND VALVES (WITH TURBOCHARGER)



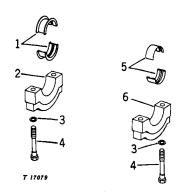
KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	R 54565	(-) PLUG (2 USED)
2	R 54987	<u>`</u>) SHAFT, ROCKÉR ARM
3	T 20316	(-) WASHER, BOWED (2 USED)
4	T 20314	-	SPRING (3 USED)
5	T 32213	(-) SCREW, VALVE ADJUSTING (8 USED)
6	AT 31250	(-) ARM, ROCKER, WITH ADJUSTING SCREW (8 USED)
7	R 42729	-) WASHER, SPECIAL (4 USED) (SUB. FOR T23594)
8	19H 1733	() SCREW, CAP, 3/8" X 2-1/2" (4 USED)
9	T 20315	(-) SUPPORT (4 USED)
10	T 20129	-) CAP, VALVE STEM (8 USED)
11	T 20077	(-) LOCK, RETAINER (16 USED)
12	T 20176) CAP, VALVE (4 USED)
13	R 26125	-) SPRING, VALVE (8 USED)
14	R 54799	(-) ROD, PUSH (8 USED)
15	R 51735) VALVE, INTAKE, STANDARD STEM (4 USED)
	R 57426	-) VALVE, INTAKE, .003" (0.08 MM) OVERSIZE STEM (4 USED)
	R 57427	(-) VALVE, INTAKE, .015" (0.38 MM) OVERSIZE STEM (4 USED)
	R 57428) VALVE, INTAKE, .030" (0.76 MM) OVERSIZE STEM (4 USED)
	T 20073	-) TAPPET (8 USED)
17	T 20071	(-) SHAFT, TACHOMETER DRIVE (USE WITH AT18049 CAMSHAFT)
	T 22535) GEAR, TACHOMETER DRIVE (12 TEETH) (USE WITH AT20830 CAMSHAFT)
18	AT 18049) CAMSHAFT, WITH TACHOMETER DRIVE SHAFT (MARKED T20013) (USE WITH
			SAE NO. 4 FLYWHEEL HOUSING)
	AT 20830	() CAMSHAFT, WITH TACHOMETER DRIVE GEAR (MARKED T20013) (USE WITH
			SAE NO. 2 AND SAE NO. 3 FLYWHEEL HOUSINGS)
19	R 52252	(-) VALVE, EXHAUST, STANDARD STEM (4 USED)
	R 57333	(-) VALVE, EXHAUST, .003" (0.08 MM) OVERSIZE STEM (4 USED)
	R 57335	-) VALVE, EXHAUST, .015" (0.38 MM) OVERSIZE STEM (4 USED)
	R 57337	(-) VALVE, EXHAUST, .030" (0.76 MM) OVERSIZE STEM (4 USED)
20	AR 41006	(-) ROTATOR, EXHAUST VALVE (8 USED)
21	T 28041) KEY, WOODRUFF
22	T 20072	(-) PLATE, THRUST
23	19H 1731	· -) SCREW, CAP, 3/8" X 1" (2 USED)
24	T 20070	-) GEAR, CAMSHAFT (48 TÈETH)

CAMSHAFT, ROCKER ARMS, AND VALVES (WITHOUT TURBOCHARGER)



KEY	PART NO.		SERIAL NO.	DESCRIPTION
1	R 5456	5 (-	PLUG (2 USED)
	R 5498	7 (- j	SHAFT, ROCKER ARM
3	T 2031	6 (-)	WASHER, BOWED (2 USED)
4	T 2031	4 (-	SPRING (3 USED)
5	T 3221	3 (-)	SCREW, VALVE ADJUSTING (8 USED)
6	AT 3125		-)	ARM, ROCKER, WITH ADJUSTING SCREW (8 USED)
7	R 4272		-	WASHER, SPECIAL (4 USED) (SUB. FOR T23594)
8	19H 173	3 (-)	SCREW, CAP, 3/8" X 2-1/2" (4 USED)
9_	T 2031			SUPPORT (4 USED)
10	T 2012		-	CAP, VALVE STEM (8 USED)
11	T 2007	7 (-)	LOCK, RETAINER (16 USED)
12_	T 2017)	CAP, VALVE (4 USED)
	R 2612		-	SPRING, VALVE (8 USED)
	R 5479		-)	ROD, PUSH (8 USED)
15	R 5225)	VALVE, INTAKE, STANDARD STEM (4 USED)
	R 5733		-)	VALVE, INTAKE, .003" (0.08 MM) OVERSIZE STEM (4 USED)
	R 5733		-)	VALVE, INTAKE, .015" (0.38 MM) OVERSIZE STEM (4 USED)
	R 5733		-)	VALVE, INTAKE, .030" (0.76 MM) OVERSIZE STEM (4 USED)
	T 2007		-)	TAPPET (8 USED)
17	T 2007		-)	SHAFT, TACHOMETER DRIVE (USE WITH AT18049 CAMSHAFT)
-10	T 2253			GEAR, TACHOMETER DRIVE (12 TEETH) (USE WITH AT20830 CAMSHAFT)
18	AT 1804	.9 (-)	CAMSHAFT, WITH TACHOMETER DRIVE SHAFT (MARKED T20013) (USE WITH SAE NO. 4 FLYWHEEL HOUSING)
	AT 2083	30 (-)	CAMSHAFT, WITH TACHOMETER DRIVE GEAR (MARKED T20013) (USE WITH
				SAE NO. 2 AND SAE NO. 3 FLYWHEEL HOUSINGS)
19	R 5225		-)	VALVE, EXHAUST, STANDARD STEM (4 USED)
	R 5733		-)	VALVE, EXHAUST, .003" (0.08 MM) OVERSIZE STEM (4 USED)
	R 5733		- -)	VALVE, EXHAUST, .015" (0.38 MM) OVERSIZE STEM (4 USED)
	R 5733		-)	VALVE, EXHAUST, .030" (0.76 MM) OVERSIZE STEM (4 USED)
	AR 4100			ROTATOR, EXHAUST VALVE (8 USED)
21	T 2804		-)	KEY, WOODRUFF
22	T 2007		- j	PLATE, THRUST
23	19H 173			SCREW, CAP, 3/8" X 1" (2 USED)
24	T 2007	0 (-)	GEAR, CAMSHAFT

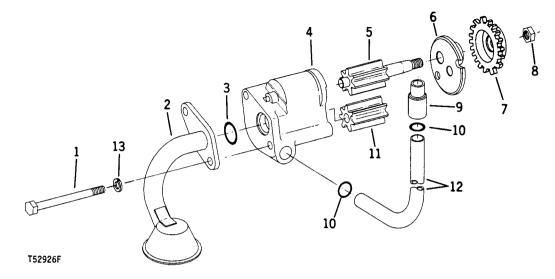
CRANKSHAFT BEARINGS AND CAPS



	KEY	PAF	RT NO.		SERIAL NO.		DESCRIPTION
-	1		21139	7	-)	BEARING, MAIN, STANDARD, REAR (PKG. OF 2 HALVES) (1 PKG. USED)
		ĄΤ	21130	(•)	BEARING, MAIN, .002" (0.05 MM) UNDERSIZE, REAR (PKG. OF 2 HALVES) (1 PKG. USED)
		AT	21132	(-)	BEARING, MAIN, .010" (0.25 MM) UNDERSIZE, REAR (PKG. OF 2 HALVES) (1 PKG. USED)
		AT	21134	(<u>-</u>)	BEARING, MAIN, .020" (0.51 MM) UNDERSIZE, REAR (PKG. OF 2 HALVES)
		AŢ	21136	(-)	(1 PKG. USED) BEARING, MAIN, .030" (0.76 MM) UNDERSIZE, REAR (PKG. OF 2 HALVES) (1 PKG. USED)
T.	2	AT	21227	(-402787)	CAP, MAIN BEARING, REAR, WITH SHIMS AND SET GAUGE
1		AR	82295	(402788 -	ĺ	CAP, MAIN BEARING, REAR, WITH SHIMS AND SET GAUGE
	3	Т	20168	Ò	-	ĺ	WASHER, SPECIAL (10 USED)
	4	T	23474	7	-	7	SCREW, SPECIAL CAP (10 USED)
	5	ΑT	21140	Ì	•	ĺ	BEARING, MAIN, STANDARD, PLAIN (PKG. OF 2 HALVES) (4 PKGS. USED)
		AΤ	21108	Ì	•	ĺ	BEARING, MAIN, .002" (0.05 MM) UNDERSIZE, PLAIN (PKG. OF 2
•							HALVES) (4 PKGS. USED)
		ΑT	21110	(-)	BEARING, MAIN, .010" (0.25 MM) UNDERSIZE, PLAIN (PKG. OF 2
			•	•		•	HALVES) (4 PKGS. USED)
		AT	21112	(•)	BEARING, MAIN, .020" (0.51 MM) UNDERSIZE, PLAIN (PKG. OF 2
			*	·		•	HALVES) (4 PKGS, USED)
		ΑT	21114	(-)	BEARING, MAIN, .030" (0.76 MM) UNDERSIZE, PLAIN (PKG. OF 2
							HALVES)
1	6	ΑT	21226	(- 402787)	CAP, MAIN BEARING, FRONT AND CENTER, WITH SHIMS AND SET GAUGE
				•		•	(4 USED)
1		AR	82294	(402788 -)	CAP, MAIN BEARING, FRONT AND CENTER, WITH SHIMS AND GAUGE (4 USED)

ENGINE OIL PUMP

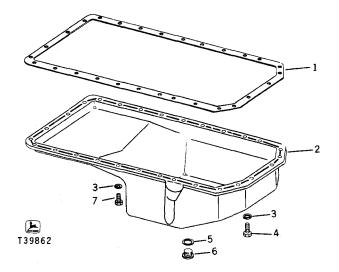




KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	59409	* () SCREW, CAP, SPECIAL (2 USED)
2	AR	68370	i	-) INTAKE, OIL PUMP (WITH TURBOCHARGER)
	AR	63350	* (_) INTAKE, OIL PUMP (WITHOUT TURBOCHARGER)
3	Α	4730 R	* (-	O-RING
4	AR	63037	* (-) HOUSING, OIL PUMP WITH SHAFT
5	AR	85788	*	-) SHAFT, OIL PUMP DRIVE WITH GEAR (SUB. FOR AR63038)
					(ALSO ORDER ONE R66177)
6	R	54632	(_) COVER
7	T	20298		-) GEAR (33 TEETH)
- 8	14H	826		-) NUT, HEX., 1/2"
9	R	54815	(-) CONNECTOR, OIL PUMP TUBE
10	R	27564	* (-) O-RING (2 USED)
11	R	66177	*	-) GEAR (7 TEETH) (SUB. FOR R54631)
					(ALSO ORDER ONE AR85788)
12		54814		-) TUBE, OIL PUMP OUTLET
13	12H	304		-) WASHER, LOCK, 3/8" (2 USED)

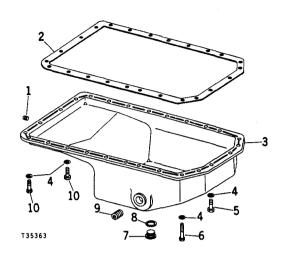
^{*}ASSEMBLY LISTED BELOW INCLUDES ALL PARTS FOLLOWED BY AN ASTERISK: AR 79464 (-) PUMP, ENGINE OIL

ENGINE OIL PAN (WITH TURBOCHARGER) CODE 1904 OIL PAN, BOTTOM DRAIN



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	R 49515	(-) GASKET, OIL PAN (SUB. FOR T24535, THIS APPLICATION)
2	R 59355	(-,) PAN, OIL
3	12H 304	(-) WASHER, LOCK (28 USED)
4	19H 246	(-) SCREW, CAP, 3/8" X 1-3/4" (4 USED)
5	T 13213	(-) WASHER, SPECIAL
6	M 1746 T	(-) PLUG, SPECIAL
7	19H 1732	(-) SCREW, CAP, 3/8" X 1-1/4" (23 USED)
	19H 1801	(-) SCREW CAP 3/8" X 2"

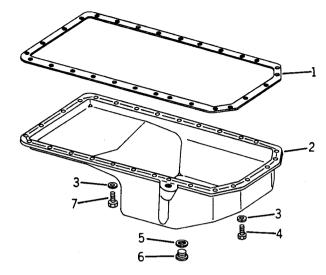
ENGINE OIL PAN (WITHOUT TURBOCHARGER) CODE 1901 OIL PAN, BOTTOM SIDE OR REAR DRAIN CODE 1902 OIL PAN, REAR DRAIN CODE 1903 OIL PAN, BOTTOM DRAIN



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	15H 624) PLUG, PIPE, HEX. CTSK., 1/2"
2	T 24535	· -) GASKET
3	AR 66726	(-) PAN, OIL (ALSO ORDER ONE 15H624 AND ONE 15H665 PIPE PLUG)
4	12H 304		WASHER, LOCK, 3/8" (28 USED)
5	19H 2284	(-) SCREW, CAP, 3/8" X 7/8" (5 USED)
. 6	19H 2284	(-) SCREW, CAP, 3/8" X 7/8" (6 USED) FRONT RIGHT SIDE HOLE
7	T 20098	(-) PLUG, DRAIN
8	T 13213	(-) WASHER, SPECIAL
9	15H 665	() PLUG, PIPE, HEX. CTSK., 3/4"
10	19H 1936	-) SCREW, CAP, 3/8" X 3/4" (22 USED)

ENGINE OIL PAN (WITH TURBOCHARGER) CODE 1907 OIL PAN, BOTTOM DRAIN

T51522F

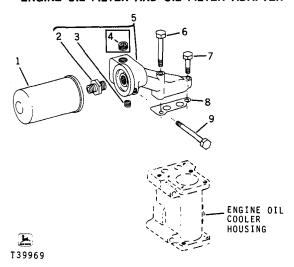


KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	R 49515	7 -) GASKET, OIL PAN
2	R 54650	<u>(</u>) PAN, OIL
3	12H 304	· -) WASHER, LOCK, 3/8" (28 USED)
4	19H 246	-	SCREW, CAP, 3/8" X 1-3/4" (4 USED)
5	T 13213	(-) WASHER, SPECIAL
6	M 1746 T	(-) PLUG, OIL DRAIN
7	19H 1732	(-) SCREW, CAP, 3/8" X 1-1/4" (23 USED)
	10H 1901	<i>i</i> -	A CODENI CAD 2/01 V 21

T51522F

T39969

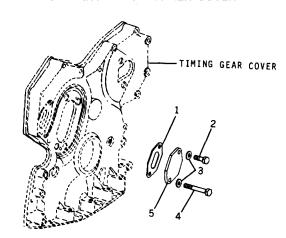
ENGINE OIL FILTER AND OIL FILTER ADAPTER



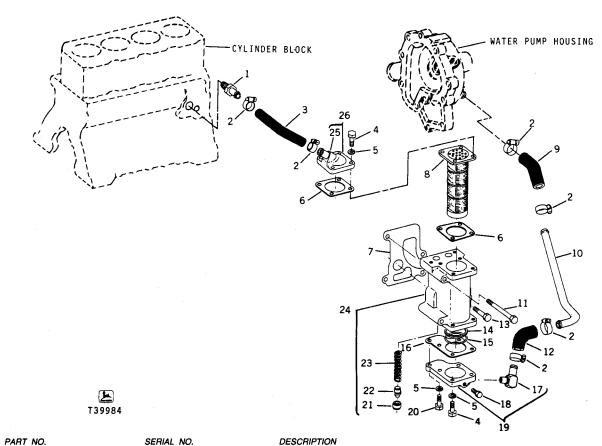
KEY	PART NO.	SERIAL NO.	DESCRIPTION	
1	T 19044) FILTER, OIL	
2	R 54823	(-	NIPPLE, OIL FILTER	
3	15H 638	(-	PLUG, PIPE, SQ. HD., 1/8"	
4	15H 561	(-333190	PLUG, PIPE, HEX. CTSK., 1/2" (WITHOUT TURBOCHARGER)	
	15H 563	(333191-) PLUG, PIPE, HEX. CTSK., 3/8" (WITHOUT TURBOCHARGER)	
5	AR 63353	(-	ADAPTER, OIL FILTER WITH NIPPLE AND PIPE PLUGS (MARKED R54822)	+ +
6	19H 1944	(-) SCREW, CAP, 3/8" X 2-3/4"	
7	19H 1800	(-) SCREW, CAP, 3/8" X 1-1/2"	
8	R 54824	(-	GASKET	
9	19H 1925		SCREW, CAP, 3/8" X 4-1/4"	

ENGINE OIL FILLER COVER CODE 1200 OIL FILLER COVER

T30587



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	T 20336	-)	GASKET
2	19H 2284	(-)	SCREW, CAP, 3/8" X 7/8"
3	24H 1304 19H 1726		WASHER, 13/32" X 23/64" X .120" (2 USED)
5	T 23260	}	SCREW, CAP, 3/8" X 2-1/4" COVER
Ū	. 20200	,	COVER



AET	PAF	11 NO.	SEHIAL NO.	DESCRIPTION	
1	R	39503	-	CONNECTOR	
ż	AR	21839	`) CLAMP, HOSE (4 USED)	
3	R	54826	`) HOSE, FORMED	
4	19H	1849	-) SCREW, CAP, 5/16" X 1-1/4" (8 USED)	
5	12H	303	(-) WASHER, LOCK, 5/16" (9 USED)	
6	R	56020	(-) GASKET (2 USED)	
7	R	54821	-) GASKET	
8	AR	65812	(-) COOLER, OIL	
9	R	26905	(-) HOSE, FORMED	
10	R	54830	(-) SCREW, CAP, 3/8" X 4-1/4" (2 USED)	
11	19H	1925	(-) SCREW, CAP, 3/8" X 4-1/4" (2 USED)	
12	R	54829	(-) HOSE, FORMED	
13		1801	(-) SCREW, CAP, 3/8" X 2" (2 USED)	
14	R	56814	(-	O-RING, INNER	
15	R	56815	(-) O-RING, OUTER	
16	R	54831	(-) GASKET	
17	AR	26732	(-) ELBOW, SPECIAL	
18	R	42852	(-) PLUG, SPECIAL	
19	AR	63356	() COVER, OIL COOLER LOWER, WITH PLUG AND ELBOW (MARKED R54828)	
20	19H	118	(-) SCREW, CAP, 5/16" X 1"	
21	R	54817	(-) BUSHING	
22	R	57740	(-) VALVE	
23	R	43548	(-) SPRING	
24	AR	65811	() HOUSING, OIL COOLER, WITH SPRING, BUSHING, AND VALVE (MARKED	
				R56019)	
25	R	34985	(-) TUBE ^	
26	AR	70464	<u> </u>) COVER, OIL COOLER, WITH TUBE (MARKED R58632) (SUB. FOR AR63355,	
	MARKED R54825)				

ENGINE FLYWHEEL

CODE 1501 FLYWHEEL, 10" (254 MM) OVERCENTER CLUTCH, 10" (254 MM)

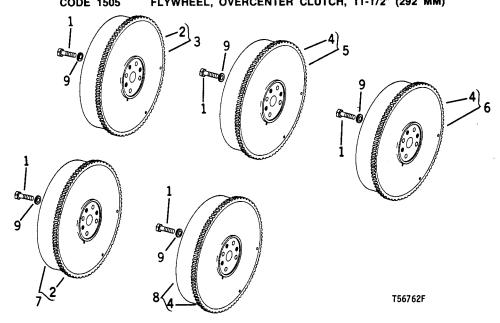
CODE 1502 FLYWHEEL, SPRING LOADED CLUTCH, 12" (305 MM)

CODE 1503 FLYWHEEL, DAMPER TYPE CLUTCH

CODE 1504 FLYWHEEL, SPRING LOADED CLUTCH, 12" (305 MM)

CODE 1505 FLYWHEEL, OVERCENTER CLUTCH, 11-1/2" (292 MM)

T56762F

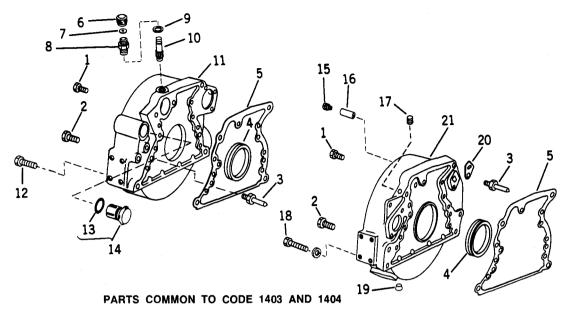


PARTS COMMON TO CODE 1501, 1502, 1503, 1504 AND 1505

1 KEY	<i>PAF</i>	77 NO. 58253	SERIAL NO. DESCRIPTION (-413473) SCREW, CAP, SPECIAL (4 USED) (SUB. FOUR 19H2993 AND FOUR T23891,		
i : I	19H	2993	THIS APPLICATION) (413474-) SCREW, CAP, 1/2" X 1-1/2" (4 USED)		
			ADDITIONAL PARTS USED WITH CODE 1501		
KEY	PAF	RT NO.	SERIAL NO. DESCRIPTION		
2 3	AT	20088 30260	(-) GEAR, FLYWHEEL RING (142 TEETH) (-) FLYWHEEL, WITH RING GEAR		
			ADDITIONAL PARTS USED WITH CODE 1502 AND CODE 1503		
KEY		RT NO.	SERIAL NO. DESCRIPTION		
1 5 1 6	R AT AT	28811 25473 30429	(-) GEAR, FLYWHEEL RING (129 TEETH) (-) FLYWHEEL, WITH RING GEAR (WITH CODE 1502) (-) FLYWHEEL, WITH RING GEAR (WITH CODE 1503)		
			ADDITIONAL PARTS USED WITH CODE 1504		
KEY	PAI	RT NO.	SERIAL NO. DESCRIPTION		
7	T AR	20088 70361	(-) GEAR, FLYWHEEL RING (142 TEETH) (-) FLYWHEEL, WITH RING GEAR		
	ADDITIONAL PARTS USED WITH CODE 1505				
KEY	PAI	RT NO.	SERIAL NO. DESCRIPTION		
4 8 1 9	R	28811	(-) GEAR, FLYWHEEL RING (129 TEETH) (-) FLYWHEEL, WITH RING GEAR (413474-) WASHER, SPECIAL (4 USED)	_	

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

T54856F



T54856F

KEY	PART NO) .	SERIAL NO.	DESCRIPTION
1	19H 25	345 (-)	SCREW, CAP, 3/8" X 1-1/2" (8 USED)
2	19H 13	387 (-)	SCREW, CAP, 5/8" X 2-1/4" (2 USED)
3	T 200)90 (-)	SCREW, SPECIAL
4	AT 229	065 (-)	SEAL, OIL, WITH WEAR RING
5	R 495	516 (-)	GASKET

ADDITIONAL PARTS USED WITH CODE 1403

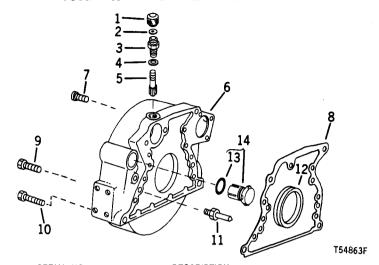
KEY	PA	RT NO.	SERIAL NO.	DESCRIPTION
6	В	3362 R	(-) CAP
7	В	3285 R	(-) GASKET
8	Т	22537	(-) ADAPTER
9	H	1058 R	-) WASHER, SPECIAL
10	Т	22536	(-) PINION, TACHOMETER DRIVE
11	R	58190	(-) HOUSING, FLYWHEEL
12	19H	1847	-) SCREW, CAP, 5/8" X 2-1/2" (2 USED)
13	R	27149	(-) O-RING
14	AR	61533	(-) PLUG, WITH O-RING

ADDITIONAL PARTS USED WITH CODE 1404

KEY PART NO.	SERIAL NO.	DESCRIPTION	
15 22H 1035	() SCREW, SET, 5/8" X 1/2"	
16 T 20461	(-) ADAPTER, TACHOMETER DRIVE	
17 R 21630	(-) PLUG, SPECIAL	
18 19H 1923	-) SCREW, CAP, 5/8" X 5-1/2" (2 USED)	
19 T 23590	. (-) CORK	
20 T 20089	(-) COVER, TIMING HOLE	
21 T 25114	-) HOUSING, FLYWHEEL	

FLYWHEEL HOUSING
CODE 1405 FLYWHEEL HOUSING SAE NO. 2

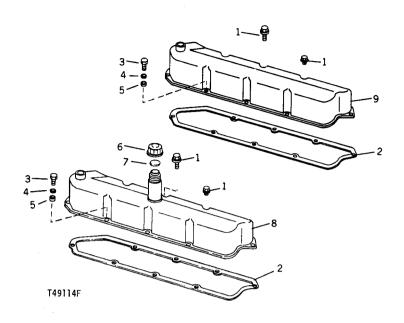
T54863F



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	B 3362 R		CAP
2	B 3285 R	-	GASKET
3	T 22537	(-) ADAPTER
4	H 1058 R	-	WASHER, SPECIAL
5	T 22536	(-	PINION, TACHOMETER DRIVE
6	R 58967	(-) HOUSING, FLYWHEEL
7	19H 2545	(-) SCREW, CAP, 3/8" X 1-1/2" (2 USED)
8	R 49516	(-) GASKET
9	19H 1387	() SCREW, CAP, 5/8" X 2-1/4" (2 USED)
10	19H 1847	-) SCREW, CAP, 5/8" X 2-1/2" (2 USED)
11	T 20090	(-) SCREW, SPECIAL
12	AT 22965	() SEAL, OIL, WITH WEAR RING
13	R_ 27149	(-	O-RING
14	AR 61533	(-) PLUG, WITH O-RING

CODE 1101 CODE 1102 ROCKER ARM COVER
(WITH TURBOCHARGER)
ROCKER ARM COVER, CENTER FILLER
ROCKER ARM COVER, NO FILLER

T49114F



PARTS COMMON TO CODE 1101 AND 1102

1	AR 4	45530	() SCREW, CAP, SPECIAL (9 USED)
2	T 2	20075	į	-) GASKET
3	19H	2036	(-) SCREW, CAP, 1/4" X 7/8"
4	12H	302		-) WASHER, LOCK, 1/4"
5	R 6	64764	į (-) WASHER, SPECIAL (SUB. FOR L186T, THIS APPLICATION)

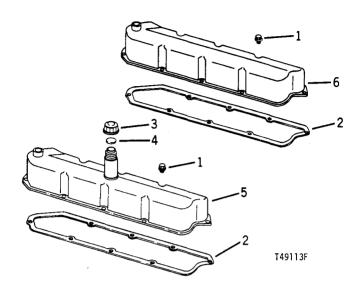
KEY	PAI	RT NO.	SERIAL NO.	DESCRIPTION	
6	T	20294) CAP, OIL FILLER	
7	T	20328	(-) GASKET, OIL FILLER CAP	
8	ΑT	30695	(-) COVER, ROCKER ARM	

ADDITIONAL PARTS USED WITH CODE 1102

KEY PART NO.	SERIAL NO.	DESCRIPTION	
9 AT 18015	(-)	COVER, ROCKER ARM	

ROCKER ARM COVER (WITHOUT TURBOCHARGER) CODE 1101 ROCKER ARM COVER, CENTER FILLER CODE 1102 ROCKER ARM COVER, NO FILLER

T49113F

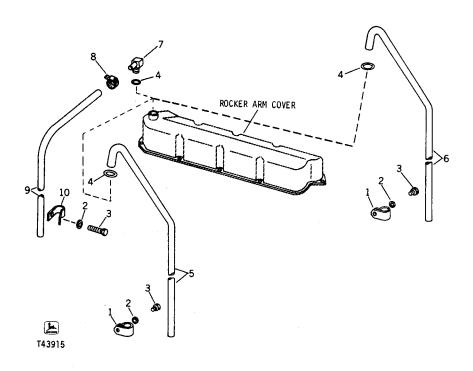


PARTS COMMON TO CODE 1101 AND 1102

KEY PART NO.	SERIAL NO.	DESCRIPTION	
1 AR 45530 2 T 20075	(- }	SCREW, CAP, SPECIAL (8 USED) GASKET	
	ADDITIO	NAL PARTS USED WITH CODE 1101	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
3 T 20294 4 T 20328 5 AT 30695	(-) (-)	CAP, OIL FILLER GASKET, OIL FILLER CAP COVER, ROCKER ARM	
	ADDITIO	ONAL PARTS USED WITH CODE 1102	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
6 AT 18015	(-)	COVER, ROCKER ARM	

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

T43915



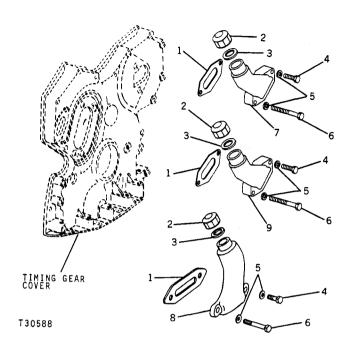
PARTS COMMON TO CODE 2901, 2902 AND 2903

KEY PART NO.	SERIAL NO.	DESCRIPTION	
1 R 40791 2 24H 1303 3 19H 2038 4 R 495 R		CLAMP WASHER, 13/32" X 11/16" X .060" SCREW, CAP, 3/8" X 1/2" O-RING ONAL PARTS USED WITH CODE 2901	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
5 T 28207	(-)) TUBE, VENT	
KEY PART NO.	ADDITION SERIAL NO.	ONAL PARTS USED WITH CODE 2903 DESCRIPTION	
6 T 20074	('-)) TUBE, VENT	
	ADDITIO	ONAL PARTS USED WITH CODE 2902	· · · · · · · · · · · · · · · · · · ·
KEY PART NO.	SERIAL NO.	DESCRIPTION	
7 AT 25192 8 AR 21839 9 H 36031	{ - }) ELBOW, 90°) CLAMP, HOSE) HOSE, 3/4" X 36" (19 MM X 914 MM)	

CODE 1201 CODE 1202 CODE 1203

ENGINE OIL FILLER INLET
OIL FILLER INLET, MEDIUM LENGTH
OIL FILLER INLET, LONG LENGTH
OIL FILLER INLET, SHORT LENGTH

T30588

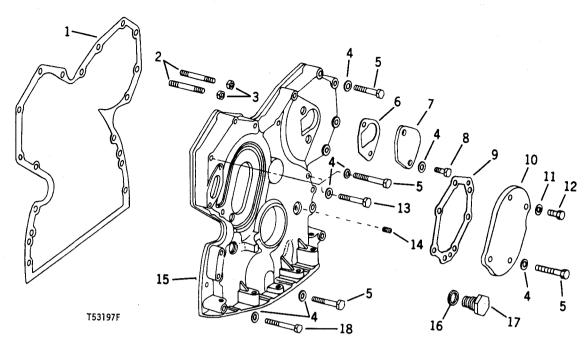


PARTS COMMON TO CODE 1201, 1202, AND 1203

KEY PART NO.	SERIAL NO.	DESCRIPTION	
1 T 20336 2 T 20294 3 T 20328 4 19H 2665) GASKET) CAP, OIL FILLER) GASKET, OIL FILLER CAP) SCREW, CAP, 3/8" X 1-5/8"	
5 24H 1304 6 19H 2128	{) WASHER, 13/32" X 23/64" X .120" (2 USED)) SCREW, CAP, 3/8" X 3"	
	ADDIT	ONAL PARTS USED WITH CODE 1201	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
7 T 23614	(-) INLET, OIL FILLER	
	ADDIT	ONAL PARTS USED WITH CODE 1202	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
8 T 24192	() INLET, OIL FILLER	
	ADDIT	ONAL PARTS USED WITH CODE 1203	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
9 T 20335	-) INLET, OIL FILLER	

TIMING GEAR COVER

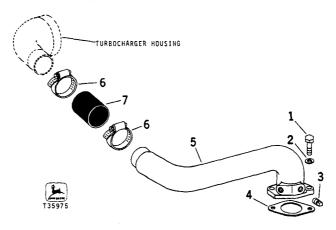
T53197F



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	T 20155 (•) GASKET
2	T 33279	-) STUD (2 USED)
_3	14H 812 (-) NUT, 3/8" (2 USED)
-4	24H 1304 (-) WASHER, 13/32" X 23/32" X .120" (16 USED)
5	19H 1801 ((-) SCREW, CAP, 3/8" X 1" (10 USED)
_6	T 20364	() GASKET
7	T 20362	() COVER, INJECTION PUMP GEAR
8	19H 2284 ((-) SCREW, CAP, 3/8" X 7/8" (2 USED)
9	T 20273) GASKET
10	T 20272	-) COVER, TIMING GEAR OPENING
11	24H 1304	(-) WASHER, 13/32" X 23/32" X .120" (3 USED)
12	19H 2284	() SCREW, CAP, 3/8" X 7/8" (3 USED)
13	19H 2128	(-) SCREW, CAP, 3/8" X 3" (2 USED)
14	15H 275	(-) PLUG, PIPE, HEX. CTSK., 1/4"
15	AR 58196	(-) COVER, TIMING GEAR, WITH INSERTS (MARKED R52879) (ALSO ORDER ONE
			T20272, ONE T20273, THREE 19H2284, ONE 19H1726, FOUR 24H1304,
			AND ONE 15H275)
16	A 4827 R	() WASHER, ALUMINUM
17	T 27657	(-	PLUG, RELIEF VALVE
18	19H 1733	(-) SCREW, CAP, 3/8" X 2-1/2" (2 USED)

AIR INLET (WITH TURBOCHARGER)

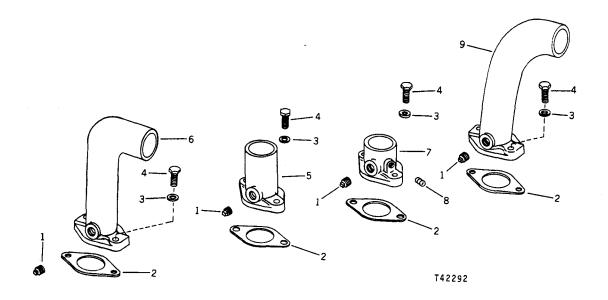
T35975



KEY	PAR	RT NO.	SERIAL NO.	DESCRIPTION
1	19H	1732	(SCREW, CAP, 3/8" X 1-1/4" (2 USED)
2	12H	304	(-)	WASHER, LOCK, 3/8" (2 USED)
3	15H	255	(-)	PLUG, PIPE, SQ. HD., 3/8"
4	T	20159	(-	GASKET
5	R	56549	(-)	ELBOW, AIR INTAKE
6	R	56552	(-	CLAMP, HOSE (2 USED) (SUB. FOR AR21839, THIS APPLICATION)
7	R	56551	(-)	HOSE, 2" X 2-1/2" (51 MM X 64 MM)

AIR INLET
(WITHOUT TURBOCHARGER)
CODE 1701 AIR INTAKE, MEDIUM LENGTH
CODE 1702 AIR INTAKE, 10" (254 MM) LONG
CODE 1703 AIR INTAKE, SHORT LENGTH
CODE 1704 AIR INTAKE, 12" (305 MM) LONG

T42292

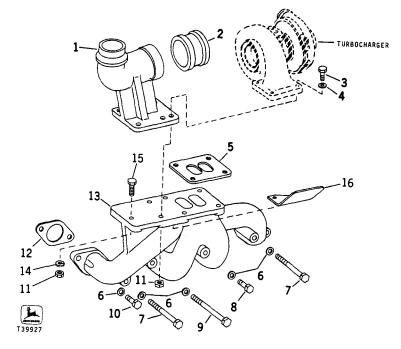


PARTS COMMON TO CODE 1701, 1702, 1703 AND 1704

KEY PART NO. 1 15H 255 2 T 20159 3 12H 304 4 19H 1732	SERIAL NO. DESCRIPTION (-) PLUG, PIPE, SQ. HD., 3/8" (-) GASKET (-) WASHER, LOCK, 3/8" (2 USED) (-) SCREW, CAP, 3/8" X 1-1/4" (2 USED) ADDITIONAL PARTS USED WITH CODE 1701	
KEY PART NO. 5 T 25829	SERIAL NO. DESCRIPTION (-) INLET, AIR ADDITIONAL PARTS USED WITH CODE 1702	
KEY PART NO. 6 T 23611	SERIAL NO. DESCRIPTION (-) INLET, AIR ADDITIONAL PARTS USED WITH CODE 1703	
KEY PART NO. 7 T 31948 8 15H 558	SERIAL NO. DESCRIPTION (-) INLET, AIR (-) PLUG, PIPE, HEX. CTSK., 1/8"	
KEY PART NO. 9 R 38526	ADDITIONAL PARTS USED WITH CODE 1704 SERIAL NO. DESCRIPTION (-) INLET, AIR	

EXHAUST MANIFOLD AND ELBOW (WITH TURBOCHARGER)

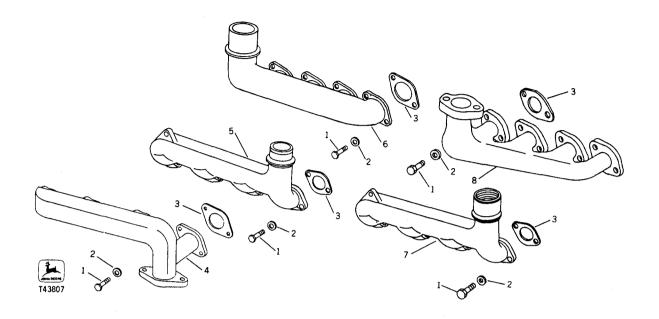
T39927



KEY	PAR	T NO.		SERIAL NO.	DESCRÍPTION
1	R	57270		-	ELBOW, EXHAUST
2	R	43724	· (-)	ADAPTÉR
3	19H	1800	į (- <u>)</u>	SCREW, CAP, 3/8" X 1-1/2" (3 USED)
4	24H	1305	(-	WASHER, 13/32" X 13/16" X .060" (3 USED)
5	R	55509	(-)	GASKET, TURBOCHARGER
6	24H	1304	(-)	WASHER, 13/32" X 23/32" X .120" (8 USED)
7	19H	1925	(-	SCREW, CAP, 3/8" X 4-1/4" (2 USED)
8	19H	2228	(<u> </u>	SCREW, CAP, 3/8" X 4"
9	19H	2104	į (<u>-</u>	SCREW, CAP, 3/8" X 5" (2 USED)
10	19H	1732	(-	SCREW, CAP, 3/8" X 1-1/4" (3 USED)
11	14H	812	į (- j	NUT, JAM, 3/8" (8 USED)
12	Т	20006	· (-	GASKET (4 USED)
13	R	52819	(-	MANIFOLD
14	12H	304	(-	WASHER, LOCK, 3/8"
15	19H	218	. (-	SCREW, CAP, 3/8" X 1"
16	R	61595	(-	SHIELD, HEAT

EXHAUST MANIFOLD (WITHOUT TURBOCHARGER)
CODE 2801 EXHAUST MANIFOLD, REAR DOWN
CODE 2803 EXHAUST MANIFOLD, REAR VERTICAL
CODE 2807 EXHAUST MANIFOLD, REAR VERTICAL
CODE 2808 EXHAUST MANIFOLD, FRONT VERTICAL
EXHAUST MANIFOLD, FRONT VERTICAL

T43807

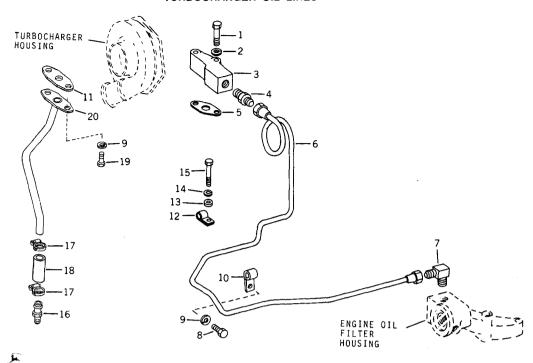


PARTS COMMON TO CODE 2801, 2802, AND 2803

KEY PART NO. 1 19H 988 2 24H 1304 3 T 20006	SERIAL NO. DESCRIPTION (-) SCREW, CAP, 3/8" X 1-1/4" (8 USED) (-) WASHER, 13/32" X 23/32" X .120" (8 USED) (-) GASKET (4 USED)
	ADDITIONAL PARTS USED WITH CODE 2801
KEY PART NO. 4 R 56474	SERIAL NO. DESCRIPTION (-) MANIFOLD, EXHAUST
	ADDITIONAL PARTS USED WITH CODE 2802
KEY PART NO. 5 T 20200	SERIAL NO. DESCRIPTION (-) MANIFOLD, EXHAUST
	ADDITIONAL PARTS USED WITH CODE 2803
KEY PART NO. 6 T 20249	SERIAL NO. DESCRIPTION (-) MANIFOLD, EXHAUST
	ADDITIONAL PARTS USED WITH CODE 2807
KEY PART NO. 7 AR 72263	SERIAL NO. DESCRIPTION (-) MANIFOLD, EXHAUST
	ADDITIONAL PARTS USED WITH CODE 2808
KEY PART NO. 8 R 56474	SERIAL NO. DESCRIPTION (-) MANIFOLD, EXHAUST
15-4	OEM ENGINES AND ACCESSORIES - 4276D AND 4276T PC-1469 (15-FEB-78) LITHO IN U.S.A.

T44044

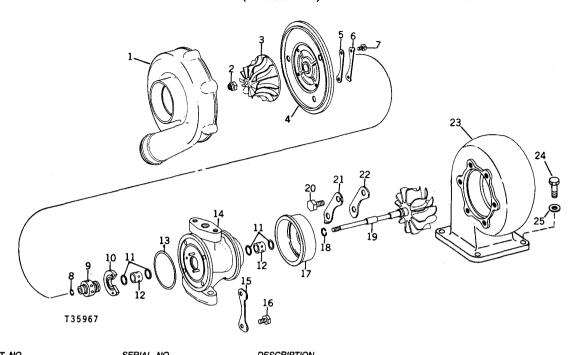
TURBOCHARGER OIL LINES



KEY	PART NO.	T44044	SERIAL NO.	DESCRIPTION
	. ,		02/11/12 /10/	2205/m //6/
1	19H 1906		(-	SCREW, CAP, 5/16" X 1-1/2" (2 USED)
2	12H 303		(-) WASHER, LOCK, 5/16" (2 USED)
3	R 43928		(-	ADAPTER
4	R 44795		(-	CONNECTOR
5	R 43413		(-) GASKET
6	AR 70692		(-	LINE, OIL INLET
7	AR 26708		(-) ELBOW, 90°
8	19H 1134	1	(-) SCREW, CAP, 3/8" X 3/4"
_9	12H 304		() WASHER, LOCK, 3/8" X 3/4" (3 USED)
10	T 13814		(CLAMP
11	R 43416		(-) GASKET
12	T 22645		() CLAMP
13	L 186	T	() WASHER, SPECIAL
14	12H 302		(-) WASHER, LOCK, 1/4"
15	19H 1898		() SCREW, CAP, 1/4" X 1-1/2"
16	R 39503		() CONNECTOR
17	AR 21839		(-) CLAMP, HOSE (2 USED)
18	U 42686		() HOSE, 3/4" X 4" (19 MM X 102 MM)
19	19H 2284		(-) SCREW, CAP, 3/8" X 7/8" (2 USED)
20	AR 71578		(-) LINE, DRAIN

TURBOCHARGER (AIRESEARCH)

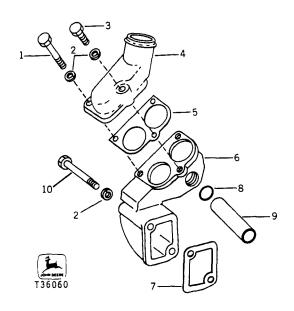




ΈY	PAR	RT NO.		SERIAL NO.	DESCRIPTION
1	R	58610) HOUSING, COMPRESSOR
2	R	43817	*	`) NUT, LOCK
3	R	58609	*	<u>-</u>) IMPÉLLER
4	AR	54934	*	-) BACKPLATE ASSEMBLY
5	R	48709	i	') CLAMP (3 USED)
6	R	48710		-) PLATE, LOCK (3 USED)
7	19H	2020		-) SCREW, CAP, 5/16" X 1/2" (6 USED)
8	R	43806	*	`) RING, PISTON
9	R	43801	*	<u> </u>) COLLAR, THRUST
0	R	43808	*	-) BEARING
1	R	43816	*	<u> </u>) RING, RETAINING (4 USED)
2	R	43803	*	(-) BEARING (2 USED)
	R	50784		-) BEARING, .005" (0.13 MM) UNDERSIZE (2 USED)
	R	50785		(-) BEARING, .010" (0.25 MM) UNDERSIZE (2 USED)
3	R	43805	*	<u> </u>) O-RING
	AR	63781	*	(-) HOUSING, CENTER ASSEMBLY
	R	43986	*	(-) PLATE, LOCK (2 USED)
6		1919	*	(-) SCREW, CAP, 1/4" X 5/8" (4 USED)
7	R	43804	*	-) SHROUD, WHEEL
В	R	55024	*	(-) RING, PISTON
9_	AR	51988	*	() WHEEL, TURBINE, WITH SHAFT
0	R	43819		-) BOLT, SPECIAL (6 USED)
1	R	43815	((-) PLATE, LOCK (3 USED)
2	R	43821		() CLAMP (3 USED)
3	R	58611		() HOUSING, TURBINE
4	19H		1	(-) SCREW, CAP, 3/8" X 1-3/4" (4 USED)
5	24H			·) WASHER, 13/32" X 13/16" X .060" (4 USED)
	AR	70439		-) TURBOCHARGER, COMPLETE

THERMOSTAT HOUSING AND COVER (WITH TURBOCHARGER) CODE 2101 THERMOSTAT COVER, HORIZONTAL

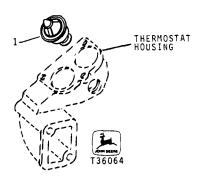
T36060



KEY	PAR	r NO.	SERIAL NO.	DESCRIPTION
1	19H	1801	-) SCREW, CAP, 3/8" X 2" (2 USED)
2	12H	304	(-) WASHER, LOCK, 3/8" (3 USED)
3	19H	1731	<u>(</u> -) SCREW, CAP, 3/8" X 1"
4	R	54639	-) COVER, THERMOSTAT
5	R	54638	(-) GASKET
6	R	56273	(-) HOUSING, THERMOSTAT
7	R	54641	-) GASKET
8	R	47144	(-) O-RING
_ 9	_R _	55967	. (-) TUBE, BYPASS
10	19H	2228	(-) SCREW, CAP, 3/8" X 4" (2 USED)

ENGINE THERMOSTAT CODE 2204 THERMOSTAT (180°F (82°C))

T36064

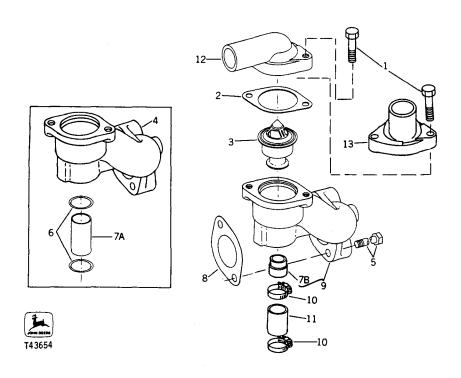


 KEY
 PART NO.
 SERIAL NO.
 DESCRIPTION

 1
 AR
 48675
 (-) THERMOSTAT, 180°F (82°C)

THERMOSTAT HOUSING AND COVER (WITHOUT TURBOCHARGER) CODE 2101 THERMOSTAT COVER, HORIZONTAL CODE 2102 THERMOSTAT COVER, VERTICAL

T43654



PARTS COMMON TO CODE 2101 AND 2102

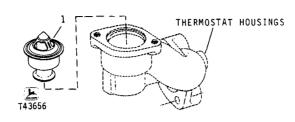
KEY PART NO.	SERIAL NO.	DESCRIPTION
1 19H 988 2 T 20215 3 AR 48675) SCREW, CAP, 3/8" X 1-1/4" (2 USED)) GASKET) THERMOSTAT, 180°F (82°C)
4 R 54808 5 19H 1944 6 R 47144	(-366182 (- (-366182) HOUSING, THERMOSTAT) SCREW, CAP, 3/8" X 2-3/4" (2 USED)) O-RING (2 USED)
7A R 54809 7B R 59050 8 T 20219	(-366182 (366183- (-	TUBE, BYPASS TUBE, BYPASS GASKET
9 AR 71134 10 AR 21839 11 R 59052	(366183- (366183- (366183-) HOUSING, THERMOSTAT, WITH BYPASS TUBE (MARKED R59051)) CLAMP, HOSE (2 USED)) HOSE, 1-1/2" X 2" (38 MM X 51 MM)

ADDITIONAL PARTS USED WITH CODE 2101

KEY PAHI NO.	SEHIAL NO.	DESCRIPTION	
12 T 23620	(-)	COVER, THERMOSTAT	
	ADDITION	IAL PARTS USED WITH CODE 2102	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
13 T 20317	(-	COVER. THERMOSTAT	

ENGINE THERMOSTAT (WITHOUT TURBOCHARGER) CODE 2204 THERMOSTAT (180°F (82°C))

T43656



KEY PART NO.

SERIAL NO.

DESCRIPTION

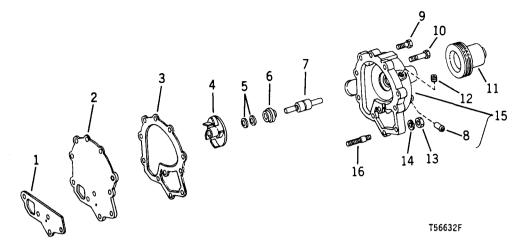
1 AR 48675

) THERMOSTAT, 180°F (82°C)

CODE 2001

WATER PUMP ASSEMBLY (WITH TURBOCHARGER) WATER PUMP, STANDARD POSITION

T56632F



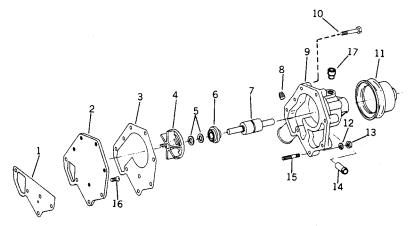
KEY	PAR	T NO.		SERIAL NO.	DESCRIPTION
1	T	20243	7	-) GASKET
2	R	56811	* (-) COVER, WATER PUMP
3	R	56809	* (-) GASKET
4	R	56812	* (•) IMPELLER
5	AR	41691	* (· -) SEAL, CUP AND INSERT
6	T	27261	* (-) SEAL
7	JD	8643	* (_) BEARING
18	R	34985	* (-) TUBE
9	_19H	1800	*(-) SCREW, CAP, 3/8" X 1-1/2" (4 USED)
	19H	268	7	-) SCREW, CAP, 3/8" X 2-1/2" (2 USED)
	19H	246	(-) SCREW, CAP, 3/8" X 1-3/4"
	19H		(-) SCREW, CAP, 3/8" X 2-1/4"
10	19H	1726	* (-) SCREW, CAP, 3/8" X 2-1/4"
	19H	218	* (-) SCREW, CAP, 3/8" X 1"
11	_R	56810	* (<u>-</u>) PULLEY, FAN
12	15H	584	* (-) PLUG, PIPE, SQ. HD., 1/2"
13	14H	812	(-) NUT, 3/8"
14	12H	304		-) WASHER, LOCK, 3/8"
1 15	AR	80116	* (•	HOUSING, WATER PUMP, WITH TÜBES (MARKED R56813) (SUB. FOR R56813)
16	i	25701	(-) STUD

*ASSEMBLY LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK:

.. AR 74110 (-) PUMP ASSEMBLY, WATER, COMPLETE (SUB. FOR AR68389)

WATER PUMP ASSEMBLY (WITHOUT TURBOCHARGER) WATER PUMP, STANDARD POSITION **CODE 2001**

T42287



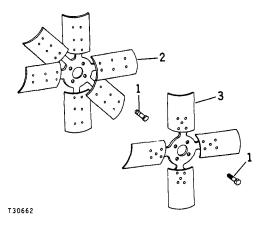
T42287

KEY	PAR	RT NO.		SERIAL NO.	DESCRIPTION		,
1	Ţ	20243	(-) GASKET	 	
2	T	26851	(-	COVER		
3	Т	20242	(-	GASKET	•	
4	Т	30897	(-) IMPELLER	 	
5	AR	41691	* (-	CUP AND INSERT		
6	Т	27261	* (-	SEAL		
7	JD	9257	* (-) BEARING		
8	15H	584	(-	PLUG, PIPE, SQ. HD., 1/2"		
9	R	54805	į (-366182	HOUSING, WATER PUMP	•	
	R	59049		366183-	HOUSING, WATER PUMP	 	-
10	19H	2545	(-	SCREW, CAP, 3/8" X 1-3/8" (4 USED)		
	19H	2549		-) SCREW, CAP, 3/8" X 1-7/8"		
	19H	1912	(-	SCREW, CAP, 3/8" X 3-1/2" (2 USED)	 	
11	T	26850	(-	PULLEY, FAN		
12	12H	304		-) WASHER, LOCK, 3/8"		
13	14H	812		-	NUT, 3/8"	 	
	R	34985	(-) TUBE		
15	<u>T</u>	25701) STUD		
	22H	979		-	SCREW, HEX. SOCKET SET, 3/8" X 3/8"		
17	R_	59050	(366183-) TUBE, BYPASS		
	AR	63343		-366182	PUMP, WATER, COMPLETE	 	
	AR	71133	- (366183-	PUMP, WATER, COMPLETE		

AT 32489

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

T30662

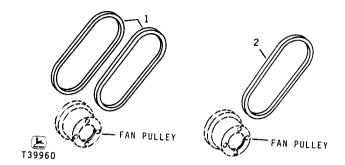


PARTS COMMON TO CODE 2501 AND 2502

KEY PART NO.	SERIAL NO.	DESCRIPTION	
1 19H 2284	-)	SCREW, CAP, 3/8" X 7/8" (4 USED)	
-	ADDITION	NAL PARTS USED WITH CODE 2501	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
2 AT 34613	(-)	BLADE, FAN (6 BLADE)	
	ADDITION	NAL PARTS USED WITH CODE 2502	
KEY PART NO.	SERIAL NO.	DESCRIPTION	
3 AT 23180	-)	BLADE, FAN (4 BLADE)	

T39960

FAN BELT
CODE 2401 FAN BELT, STANDARD POSITION WATER PUMP



KEY PART NO.

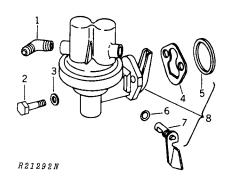
SERIAL NO.

DESCRIPTION

1 AT 24833 (-) BELT, FAN (SET OF TWO BELTS) (WITH TURBOCHARGER)
2 T 24473 (-) BELT, FAN (WITHOUT TURBOCHARGER)

R21292N

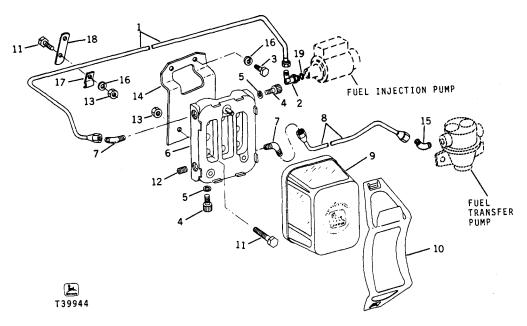
AIRTEX FUEL TRANSFER PUMP



KEY	PART NO.	SERIAL NO.	DESCRIPTION
1	T 30738) ELBOW, 90° (2 USED)
2	19H 1849	`) SCREW, CAP, 5/16" X 1-1/4" (2 USED)
3	R 20498	(-) WASHER, ALUMINUM (2 USED)
4	R 27285	-) GASKET
5	R 48399	(-) PACKING
6	A 4365 R	(-	O-RING
7	AR 52556	(-) LEVER, PRIMING
8	AR 52159	(.) PUMP, FUEL, COMPLETE

FUEL FILTER AND FUEL LINES

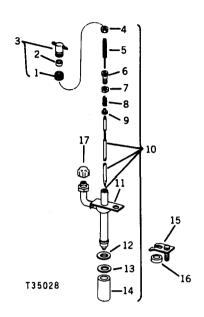
T39944



KEY	PART NO),	SERIAL NO.	DESCRIPTION
1	AR 658	73	(-)	LINE, FILTER TO INJECTION PUMP (WITH TURBOCHARGER)
	AR 633	63	- 1	LINE, FILTER TO INJECTION PUMP (WITHOUT TURBOCHARGER)
1 2	AT 323	33	(-)	ELBOW, 90°, FUEL LINE TO INJECTION PUMP (WITH TURBOCHARGER) (SUB.
				FOR AR26771, THIS APPLICATION)
	R 480		(-)	ELBOW, 90° (WITHOUT TURBOCHARGER)
_3	19 <u>H</u> 11		<u>(</u>)	SCREW, CAP, 3/8" X 3/4" (2 USED)
4	R 480	71	(-	SCREW, BLEED (2 USED)
5	R 344	47	(-)	PACKING (2 USED)
6	AR 500		_(-)	BODY, FUEL FILTER
7	T 249	45	-	ELBOW, 45° (2 USED)
8	AR 633	46	(-)	LINE, TRANSFER PUMP TO FILTER
9	AR 500			ELEMENT, FUEL FILTER
10	R 572		(-	SPRING, RETAINING
11		284	(-	SCREW, CAP, 3/8" X 7/8" (3 USED)
12		558	(-	PLUG, PIPE, HEX. CTSK., 1/8"
13	14H 8	12	-	NUT, 3/8" (2 USED)
14	R 532	14	(-	BRACKET, FUEL FILTER
15	T 307	'38	(-	ELBOW, 90°
16	12H 3	104	(-	WASHER, LOCK, 3/8" (3 USED)
17	A 48	81 R	(-	CLIP
18	R 565	88	(-	BRACKET
19	R 262	286	7 -	O-RING (WITH TURROCHARGER)

CODE 1602 CODE 1603 CODE 1603 CODE 1605 FUEL INJECTION NOZZLE ASSEMBLY FUEL INJECTION SYSTEM, REGULAR GOVERNOR CODE 1605 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (CALIFORNIA CERTIFIED)

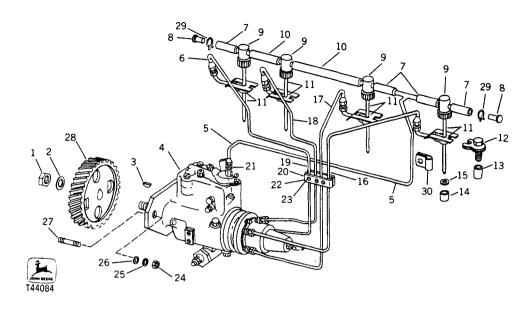
T35028



KEY	PAF	RT NO.	SERIAL NO.	DESCRIPTION
1	T	29540	(-) NUT, NOZZLE LEAK-OFF
2	Т	29539	(-) GROMMET
3	ΑT	27622	() CAP ASSEMBLY, LEAK-OFF
4	R	47733	() NUT, SPECIAL
5	R	47732	(-) SCREW, LIFT ADJUSTING
6	R	47734	<u></u>) SCREW, PRESSURE ADJUSTING
7	R	46675	(-) NUT, SPECIAL
8	R	47731	(-) SPRING
9	R	39886	<u> </u>) SEAT, SPRING
10	AR	68364	•) NOZZLE ASSEMBLY (ROOSA-MASTER NO. 20291 AND 20504)
11	Т	26870	-) CLAMP, NOZZŁE LOCATING
	_R	34764) WASHER, NOZZLE UPPER
	R	48000	_) WASHER, NOZZLE LOWER
14	Т	24472	(-) CAP, NOZZLE
	R	34760	() CLAMP, WITH SCREW AND WASHER
. •	R	34761	(-) SPACER
17	T	31174	(-) CAP, PROTECTION (USED FOR SERVICING FUEL INJECTION NOZZLE)

FUEL INJECTION SYSTEM (WITH TURBOCHARGER) CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR CODE 1603 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR CODE 1605 FUEL INJECTION SYSTEM, REGULAR GOVERNOR (CALIFORNIA CERTIFIED)

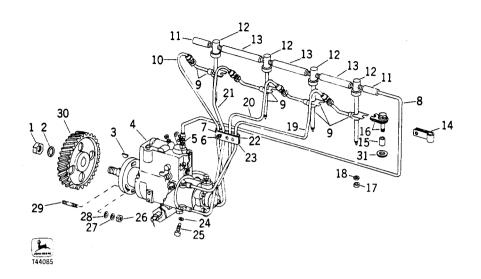
T44084



KEY PART NO.	SERIAL NO.	DESCRIPTION
1 R 56422	(-) NUT, SPECIAL
2 R 56423	(-) WASHER, SPECIAL
3 R 56424	(-) KEY, SPECIAL
4 AR 71421	-) PUMP, FUEL INJECTION, WITH REGULAR GOVERNOR, COMPLETE
	•	(ROOSA-MASTER NO. DM4427MD2876) (FOR PARTS SEE PAGES 30-1
		THROUGH 30-7)
AR 70538	(-) PUMP, FUEL INJECTION, WITH 3 PERCENT - 5 PERCENT GOVERNOR,
	•	COMPLETE (ROOSA-MASTER NO. DM4427HB2915) (FOR PARTS SEE PAGES
		30-8 THROUGH 30-14)
AR 76503	7 -) PUMP, FUEL INJECTION, WITH REGULAR GOVERNOR, COMPLETE
71.1 10000	•	(ROOSA-MASTER NO. DM4427NH2957) (FOR PARTS SEE PAGES 30-24
		THROUGH 30-30)
5 AR 65872	7) LINE, LEAK-OFF
6 AR 65868	}) LINE, FUEL INJECTION, NO. 1
7	}) HOSE (MAKE FROM AT32064 5' (1 524 MM)) (4 USED)
8 16H 246	}	RIVET, 3/16" X 3/8" (2 USED)
9 AT 27622	}) CAP, LEAK-OFF (4 USED)
10	}) HOSE (MAKE FROM AT32064 5' (1 524 MM)) (2 USED)
11 AR 68364	·	NOZZLE ASSEMBLY (4 USED) (ROOSA-MASTER NO. 20291 AND 20504) (FOR
11 ATT 00004	(PARTS SEE PAGE 25-4)
12 R 34760	_) CLAMP, WITH SCREW AND WASHER (4 USED)
13 R 34761	·	SPACER (4 USED)
14 R 48000	}	
15 R 34764	}) WASHER, SPECIAL, LOWER (4 USED)
16 AR 65871	-}) WASHER, SPECIAL, UPPER (4 USED)
17 AR 65870	} -) LINE, FUEL INJECTION, NO. 4
18 AR 65869	} -) LINE, FUEL INJECTION, NO. 3
	-) LINE, FUEL INJECTION, NO. 2
	() CLAMP, HALF, THREADED
20 T 23462	} -) CLAMP, HALF
21 R 35352) CONNECTOR
22 12H 246	-) WASHER, LOCK, NO. 10 (3 USED)
23 21H 1317	· -) SCREW, MACH., NO. 10 X 5/8" (3 USED)
24 14H 785) NUT, 5/16" (3 USED)
25 12H 303	() WASHER, LOCK, 5/16" (3 USED)
26 24H 1136	(-) WASHER, 11/32" X 11/16" X .060" (3 USED)
27 R 56055	-) STUD (3 USED)
28 R 56056	(-) GEAR, DRIVE (48 TEETH)
29 T 13254	(-) CLAMP
30 T 29527	(-) CLAMP (2 USED)
	•	, , , , , , , , , , , , , , , , , , ,

FUEL INJECTION SYSTEM (WITHOUT TURBOCHARGER) CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR CODE 1603 FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

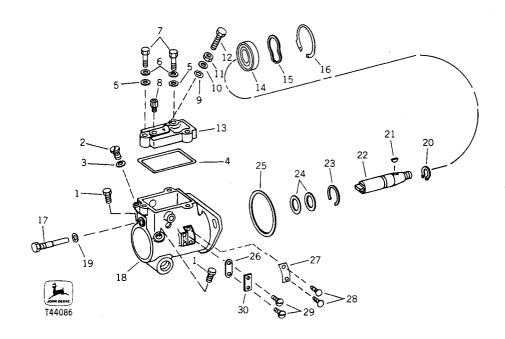
T44085



KEY	PAF	RT NO.	SERIAL NO.	DESCRIPTION
1	R	48599	(-)	NUT, SPECIAL
2	R	48600	(-)	WASHER, LOCK, SPECIAL
3	26H	10	(-)	KEY, WOODRUFF, 5/32" X 5/8"
4	AR	70530	(- 405905)	PUMP, FUEL INJECTION, WITH REGULAR GOVERNOR, COMPLETE (ROOSA-
				MASTER NO. JDB435MD2793) (FOR PARTS SEE PAGES 30-15 THRU 30-23)
	AR .	78647	(405906-)	PUMP, FUEL INJECTION, WITH REGULAR GOVERNOR, COMPLETE (ROOSA-
				MASTER NO. JDB435MD3021) (FOR PARTS SEE PAGES 30-15 THRU 30-23)
1	AR	70531	(-402160)	
				COMPLETE (ROOSA-MASTER NO. JDB435CM2819) (FOR PARTS SEE PAGES
				30-15 THRU 30-23) (SUB. AR79212)
1	AR	79212	(-)	PUMP, FUEL INJECTION, WITH 3 PERCENT - 5 PERCENT GOVERNOR,
				COMPLETE (ROOSA-MASTER NO. JDB435CM3010) (FOR PARTS SEE PAGES
				30-15 THRU 30-23)
5	R	35352	(-)	CONNECTOR
_ 6	21H		(SCREW, MACH., NO. 10 X 5/8" (3 USED)
7	12H	246	(-)	WASHER, LOCK, NO. 10 (3 USED)
8	AR	63362	(-)	LINE, FUEL INJECTION PUMP LEAK-OFF
9	AR	68364	(NOZZLE ASSEMBLY (4 USED) (ROOSA-MASTER NO. 20291 AND 20504) (FOR
-				PARTS SEE PAGE 25-4)
10	AR	63358	(-)	LINE, FUEL INJECTION, NO. 1
11			(-)	HOSE (2 USED) (MAKE FROM AT32064 5 FT. (1 524 MM) HOSE)
12	AT	27622	(-)	CAP ASSEMBLY, LEAK-OFF (4 USED)
13			(-)) HOSE, LEAK-OFF (3 USED) (MAKE FROM AT32064 5 FT. (1 524 MM) HOSE)
14	R	27528	(-)	CLAMP
15	R	34761	(-)	SPACER (4 USED)
16	R	34760	(-)) CLAMP WITH SCREW AND WASHER (4 USED)
17	R	48000	(WASHER, NOZZLE LOWER (4 USED)
18	R	34764	(-)	WASHER, NOZZLE UPPER (4 USED)
I 19	AR	63361	(-366240)	LINE, FUEL INJECTION, NO. 4 (SUB. AR74298)
1	AR	74298	(-	LINE, FUEL INJECTION, NO. 4
1 20		63360	(-366240	LINE, FUEL INJECTION, NO. 3 (SUB. AR74297)
1		74297	(-)	LINE, FUEL INJECTION, NO. 3
21		63359	-	LINE, FUEL INJECTION, NO. 2
22	Ţ	23463	(-)	CLAMP, HALF, THREADED
23	Ţ	23462	(-)	CLAMP, HALF
24	<u> </u>	20055	(WASHER, SPECIAL (8 USED)
25	R	26726	(-)	SCREW, SPECIAL (4 USED)
26	14H		(-)) NUT, 3/8" (2 USED)
27	12H		(WASHER, LOCK, 3/8" (2 USED)
28	24H		(-)	WASHER, 13/32" X 11/16" X .060" (2 USED)
29	<u>T</u>	20052	(-)	STUD (2 USED)
30	Т	20165	(-)	GEAR, DRIVE (48 TEETH)

FUEL INJECTION PUMP HOUSING AND DRIVE GROUP (ROOSA-MASTER NO. MD4427MD2876) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, REGULAR GOVERNOR **CODE 1602**

T44086

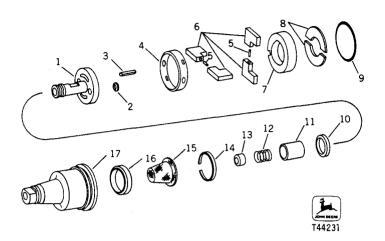


KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	30714			SCREW, SPECIAL, CAP (2 USED)
2	Т	11930	ì	_) SCREW, SPECIAL, TORQUE HOLE
3	Т	11878	ì	-	WASHER, SPECIAL
4	T	11918	* 7	-	PACKING, GOVERNOR HOUSING COVER
5	Т	15715	ì	_) WASHER, SPECIAL (3 USED)
6	12H	295	ì	-) WASHER, LOCK, INTERNAL-TOOTH, NO. 10 (3 USED)
7	T	15721	1	-) SCREW, SPECIAL (3 USED)
8.	R	36535	ì	-) CONNECTOR, WITH CHECK VALVE
9	T	17951	* (-) PACKING
10	T	17947		-) WASHER, SPECIAL
11	Т	11921	ì	-) NUT, SPÉCIAL
12	T	17953	ì	-	SCREW, SPECIAL, LOW IDLE ADJUSTMENT
13	R	37139	(-	COVER, GOVERNOR HOUSING
14	AR	69427	Ì	•) BEARING, BALL
15	R	54235	į	-) WASHER, DRIVE SHAFT SPRING
16	R	54230	1	-	RING, RETAINER
17	T	11923	ì	-	STUD, GUIDE
18	ÅR	69428	ì	-) HOUSING, PUMP
19	T	11943	* () WASHER, GUIDE STUD
20	Ŕ	57796	ì	-) RING, RETAINING
21	R	56424	ì	-) KEY
22	Ř	57797	}	_) SHAFT, DRIVE
23	R	54225	7	-) RING, SEAL RETAINING
24	AR	72052	* }	-) SEAL, DRIVE SHAFT (2 USED)
25	R	54229	* }	-) SEAL, PUMP FLANGE
26	Ť	11883	* }	-) GASKET, TIMING WINDOW COVER
27	Ť	11875	}	-) PLATE. NAME
28	Ť	11876	}	-	SCREW, DRIVE (2 USED)
	Ŕ	54260	}	-) SCREW, TIMING WINDOW COVER (2 USED)
30	Ť	11882	}	-	COVER, TIMING WINDOW
					,

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-2, 30-3, 30-4, 30-5, 30-6 AND 30-7: .. AR 63029) KIT, GASKET OVERHAUL

FUEL INJECTION PUMP TRANSFER GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR

T44231



KEY	PAI	RT NO.		SERIAL NO.	DESCRIPTION		
1	AR	61995) REGULATOR, TRANSFER PUMP		
2	R	54231	* (-) SEAL, REGULATING PISTON		
3	R	54226	() PIN, SPRING		
	R	61122	(+) RING, LINER LOCATING		
5	R	34630	(•) SPRING, TRANSFER PUMP BLADE (2 USED)		
6	AR	73828	(-) BLADE, TRANSFER PUMP, WITH SPRING STANDARD (4 USED)		
	AR	73829	(-) BLADE, TRANSFER PUMP, WITH SPRING OVERSIZE (4 USED)		
7	R	54244	(-) LINER, TRANSFER PUMP		
8	R	61121	(-) RETAINER, ROTOR (2 USED)		
9	R	61124	* (-) O-RING		
10	R	54222	* (-) SEAL, INLET FILTER SCREEN		
11_	R	54253	() PISTON, REGULATING		
12	R	54237	(•) SPRING, REGULATING		
13	R	34623	(-) PLUG, END PLATE ADJUSTING		
14	R_	61119	(-) RING, RETAINING		
15	R	61118	(-) SCREEN, INLET FILTER		
	Ŗ	61120	(~) PLATE, TRANSFER PUMP PRESSURE		
17	R	61123		-) CAP, TRANSFER PUMP END		
	*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-1, 30-3, 30-4, 30-5, 30-6 AND 30-7:						
	AR	63029	(-) KIT, GASKET OVERHAUL		

FUEL INJECTION PUMP HYDRAULIC HEAD AND ROTOR GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, REGULAR GOVERNOR

T52190F

KEY

R

R

R

R

67 AR

8 Þ

10 11 R

12 13

> 14 R

15

18

20 21 22

23 24

25 AR

R 19

Т

R

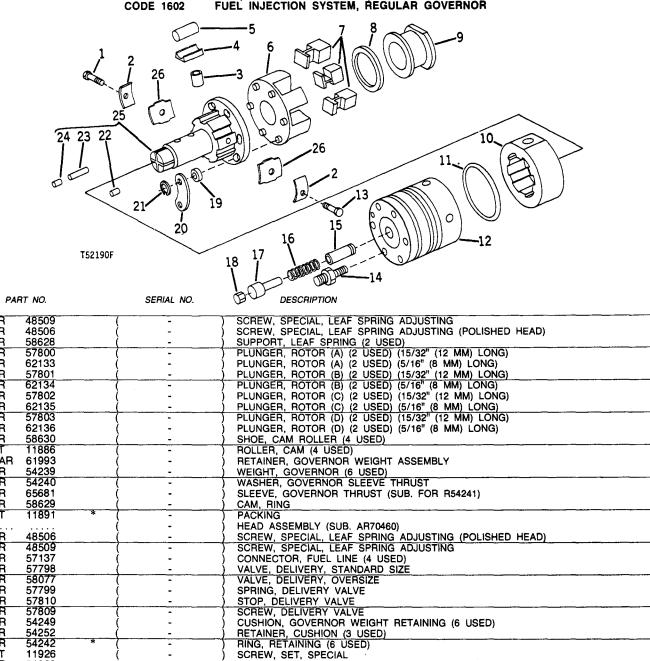
R

11926

54626

30725 70460

61713



*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-1, 30-2, 30-4, 30-5, 30-6 AND 30-7: . AR 63029) KIT, GASKET OVERHAUL

WIRE, VENT SCREW

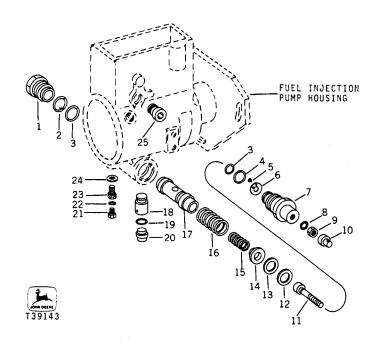
HEAD, ROTOR, HYDRAULIC

SPRING, LEAF (2 USED)

FUEL INJECTION PUMP AUTOMATIC ADVANCE GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) E 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR

CODE 1602

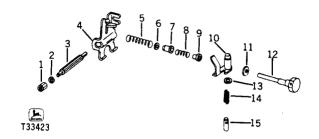
T39143



KEY	PA	RT NO.		SERIAL NO.	DESCRIPTION
1	R	40709) PLUG, PISTON HOLE
2	R	56396	* (-) SEAL, PISTON HOLE PLUG
3	T	15710	* (-	SEAL, PISTON HOLE PLUG (2 USED)
4	T	17135	* (-) SEAL, PISTON HOLE PLUG
5	R	54224	Ì	-) SCREW, REED VALVE (2 USED)
6	R	56484	Ì	-) VALVE, REED
7	R	57812	(-) PLUG, PISTON CONTROL
8	Т	11915	* (-	O-RING, ADJUSTING SCREW
9	Т	17122	(-) NUT, SPECIAL
10	T	17117	(-) SCREW, SPECIAL ADJUSTING
11	Т	17123	(-) SCREW, SPECIAL ADJUSTING
12	R	49211) RING, PISTON
13	R	34635	* (•) RING, PISTON
14	Т	17125	(-) GUIDE, ADVANCE ADJUSTMENT
15 16	T	24415	(-) SPRING, INNER ADVANCE (COLORED RED)
	R	49238	(-) SPRING, OUTER ADVANCE (COLORED BLACK AND BROWN)
17	R	58631	(-) PISTON, ADVANCE
18	R	40703	(-) PIN, ADVANCE
19	T	15712	* (-) SEAL, ADVANCE
20	R	40707	(-) PLUG, ADVANCE
21_	R	54254	(-) SCREW, SPECIAL
22	Ţ	17951	* (-) SEAL
23	R	54251	. (-) SCREW, SPECIAL
24	T	11899	* (-) SEAL, HEAD LOCATING SCREW
25	R	54627	(-) SCREW, SPECIAL, THROTTLE STOP (2 USED)
*KIT	LIST	FD BELO	W CONTAIN	IS ALL PARTS FOLL	OWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-1, 30-2,
)-5, 30-6 A			
		63029	(-) KIT, GASKET, OVERHAUL

FUEL INJECTION PUMP GOVERNOR GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR

T33423



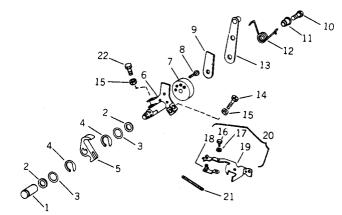
KEY	PAR	RT NO.		SERIAL NO.	DESCRIPTION	
1	T	11932		-) NUT, PIVOT, PIVOT SHAFT RETAINING (2 USED)	
2	R	34812	* (-	O-RING (2 USED) (SUB. FOR T11906)	
3	T	11925	į	-	SHAFT, GOVERNOR ARM PIVOT	
4	R	54245		-	ARM, GOVERNOR	
5	R	48536	(-) SPRING, GOVERNOR CONTROL	
6	Т	17952	į (-) SPACER, GOVERNOR SPRING	
7	T	11924	(-) RETAINER, SPRING	
8	T	11913	(-) SPRING, IDLER	
9	T	11914	(•) GUIDE, SPRING	
10	AR	30736	(-	ARM, METERING VALVE	
11	T	11943	* (-) WASHER, GUIDE STUD	
12	T	11923	(-) STUD, GUIDE	
13	R	30732	(-) WASHER, SPECIAL	
14	R	58422	į	-) SPRING, METERING VALVE	
15	R	54238	Ì	-) VALVE, METERING	

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-1, 30-2, 30-3, 30-4, 30-6 AND 30-7:

.. AR 63029 (-) KIT, GASKET OVERHAUL

FUEL INJECTION PUMP LINKAGE GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) CODE 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR

T48922



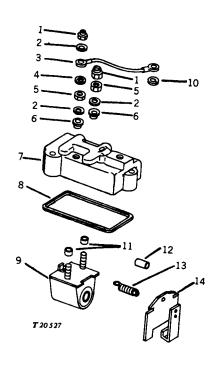
T 4	~~			_
14	29	1	1	١.

KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	48515		-) SHAFT, SHUT-OFF
2	T	15720	* (_) WASHER, FELT (2 USED)
3	Т	11915	* (-) PACKING (2 USED)
4	T	11929		-	CLIP, SHAFT RETAINER (2 USED)
5	Т	11927	į (-) LEVER, THROTTLE SHAFT
6	AR	51717	(-) SHAFT, THROTTLE
7	T	19861	(-) SPACER, ARM THROTTLE LEVER ADJUSTING
8	T	11917	(-) SCREW, SPECIAL (2 USED)
_ 9	Т	19860	(-) ARM, THROTTLE ADJUSTING
10	T	19859	(-) SCREW, SOCKET HEAD
11	Т	17950	(_) RETAINER, THROTTLE LEVER SPRING
12	Τ	17949		<u> </u>) SPRING, THROTTLE LEVER
13	T	19858	(-) LEVER, THROTTLE
14	Т	11920	(-) SCREW, HIGH IDLE ADJUSTING
15	Τ	19862		-) NUT, SPECIAL (2 USED)
16	R	30718		-) SCREW, SPECIAL
17	R	30719	(-) WASHER, SPECIAL LOCK
18	AR	28602	(-) LINK, GOVERNOR HOOK ADJUSTING
19	R	48516) HOOK
20	AR	51719	((-) HOOK ASSEMBLY, GOVERNOR LINKAGE
21 22	T	11911		<u> </u>) SPRING, GOVERNOR LINKAGE
22	Т	11941		•) SCREW, LOW IDLE ADJUSTING
				NS ALL PARTS FOLL	OWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-1, 30-2,
30-		-4, 30-5 AN	ND 30-7:	,	
	AR	63029	((-) KIT, GASKET, OVERHAUL

FUEL INJECTION PUMP ELECTRIC SHUT-OFF GROUP (ROOSA-MASTER NO. DM4427MD2876) (WITH TURBOCHARGER) 1602 FUEL INJECTION SYSTEM, REGULAR GOVERNOR

CODE 1602

T20527



KEY	PAH	IT NO.		SERIAL NO.	DESCRIPTION
1	Т	19977	† (-	NUT, LOCK (2 USED)
2	R	47049	† (-) WASHER, TERMINAL CONTACT (3 USED)
3	AR	49542	(- XXXXX	WIRE ASSEMBLY
	R	66593	(XXXXX-	STRAP, GROUNDING
4	R	47077	(-) WASHER, SPECIAL
5	Т	11938	† (-	NUT, SPECIAL (2 USED)
6	T	11936	+ (-) WASHER, INSULATING (2 USED)
7	R	37139	† (-	COVER, GOVERNOR HOUSING
8	T	11918	*† (-) PACKING
9	AR	48219	† (-) SOLENOID ASSEMBLY
10	12H	295	į (-) WASHER, LOCK, NO. 10
11	Т	11937	† (-) TUBE, COVER INSULATING (2 USED)
12	R	48795	† (•	TUBE, SHUT-DOWN ARM SPRING
13	Т	11935	† (-) SPRING, SHUT-OFF ARM
14	AR	73613	† (-	ARM, SHUT-OFF

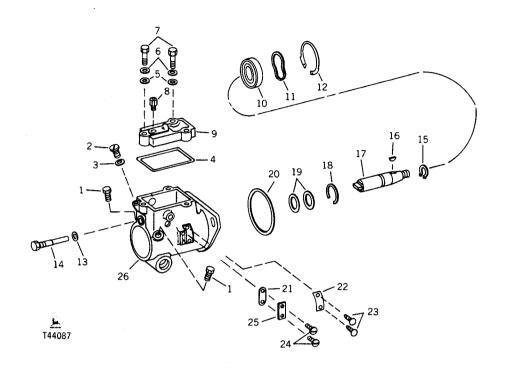
30-3, 30-4, 30-5 AND 30-6: .. AR 63029) KIT, OVERHAUL GASKET

†ASSEMBLY LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY A DAGGER SIGN:
... AR 84252 (-) COVER, GOVERNOR HOUSING, WITH ELECTRIC SHUT-OFF

FUEL INJECTION PUMP HOUSING AND DRIVE (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

CODE 1603



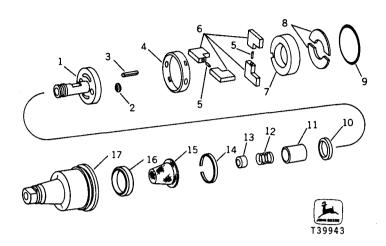


KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	30714	(-) SCREW, SPECIAL, CAP (2 USED)
2	Т	11930	į (-) SCREW, SPECIAL, TORQUE HOLE
3	T	11878	() WASHER, SPECIAL
4	T	11918	* (•) PACKING, GOVERNOR HOUSING COVER
5	Т	15715	(-) WASHER, SPECIAL (3 USED)
6	12H		(-) WASHER, LOCK, INTERNAL-TOOTH, NO. 10 (3 USED)
7	T	15721	(-) SCREW, SPECIAL (3 USED)
8	R	36535	(-) CONNECTOR, WITH CHECK VALVE
9	<u>T</u>	11919	(-) COVER, GOVERNOR HOUSING
10	AR	69427	(•) BEARING, BALL
11	R	54235	(-) WASHER, DRIVE SHAFT SPRING
12	R	54230	() RING, RETAINER
13	T	11943	* (-) WASHER, GUIDE STUD
14	Т	11923	(-) STUD, GUIDE
15	R	57796	(-) RING, RETAINING
16	R	56424	(-) KEY
17	R	57797	į	-) SHAFT, DRIVE
18	R	54225	į (-) RING, SEAL RETAINING
19	AR	72052	* (-) SEAL, DRIVE SHAFT (2 USED)
20	R	54229	* (-) SEAL, PUMP FLANGE
21	T	11883	* (_) GASKET, TIMING WINDOW COVER
22	T	11875		•) PLATE. NAME
23	T	11876	ì	-	SCREW, DRIVE (2 USED)
24	R	54260	ì	-) SCREW, TIMING WINDOW COVER (2 USED)
25	T	11882	}	-) COVER, TIMING WINDOW
	ÁR	69428	ì	_) HOUSING. PUMP
			W CONTAIN	IC ALL DADTE FOL	
					LOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-9, 30-10,
30-)-12, 30-1 63029	3 AND 30-1	4:) KIT OVERHALII GASKET

FUEL INJECTION PUMP TRANSFER GROUP (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

CODE 1603

T39943

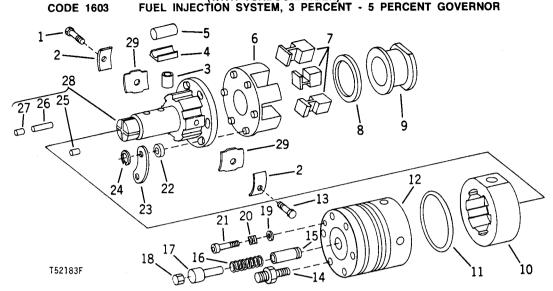


KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	AR	61995		-) REGULATOR, TRANSFER PUMP
2	R	54231	*	-) SEAL, REGULATING PISTON
3	R	54226	1	-) PIN, SPRING
4	R	61122		-) RING, LINER LOCATING
5	R	34630	1	-) SPRING, TRANSFER PUMP BLADE (2 USED)
6	AR	73828		-) BLADE, TRANSFER PUMP, WITH SPRING STANDARD (4 USED)
	AR	73829		_) BLADE, TRANSFER PUMP, WITH SPRING OVERSIZE (4 USED)
7	R	54244	1	-) LINER, TRANSFER PUMP
8	R	61121		-) RETAINER, ROTOR (2 USED)
9	R	61124	*	-) O-RING
10	R	54222	*	<u> </u>) SEAL, INLET FILTER SCREEN
11	R	54253		<u>-</u>) PISTON, REGULATING
12	R	54237		-) SPRING, REGULATING
3	R	34623		<u>-</u>) PLUG, END PLATE ADJUSTING
14	R	61119		(-) RING, RETAINING
5	R	61118		·	SCREEN, INLET FILTER
16	R	61120		<u>-</u>) PLATE, TRANSFER PUMP PRESSURE
17	R	61123		<u>-</u>) CAP, TRANSFER PUMP END

AR 63029) KIT, OVERHAUL GASKET

FUEL INJECTION PUMP HEAD AND ROTOR GROUP (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

T52183F



KEY	PAR	T NO.		SERIAL NO.	DESCRIPTION
1	R	48509	₇		SCREW, SPECIAL, LEAF SPRING ADJUSTING
	Ŕ	48506	ì	- Ś	SCREW, SPECIAL, LEAF SPRING ADJUSTING (POLISHED HEAD)
2	R	58628	ì	- Ś	SUPPORT, LEAF SPRING (2 USED)
3	R	57800	}	-	PLUNGER, ROTOR (A) (2 USED) (LONG)
	R	57801	į	- j	PLUNGER, ROTOR (B) (2 USED) (LONG)
	R	57802	į	-)	PLUNGER, ROTOR (C) (2 USED) (LONG)
	R	57803	(-)	PLUNGER, ROTOR (D) (2 USED) (LONG)
	R	57804	Ì.	· -)	PLUNGER, ROTOR (A) (2 USED) (SHORT)
	R	57805	į (-)	PLUNGER, ROTOR (B) (2 USED) (SHORT)
	R	57806	(-	PLUNGER, ROTOR (C) (2 USED) (SHORT)
	R	57807	(-)	PLUNGER, ROTOR (D) (2 USED) (SHORT)
4	R	58630	(-)	SHOE, CAM ROLLER (4 USED)
5	T	11886	(-	ROLLER, CAM (4 USED)
- 6	AR	61993	(-)	RETAINER, GOVERNOR WEIGHT ASSEMBLY
7	R	54239	()	WEIGHT, GOVERNOR (6 USED)
8	R	54240	(-	WASHER, GOVERNOR SLEEVE THRUST
1 9	R	65681	(-)	SLEEVE, GOVERNOR THRUST (SUB. FOR R54241)
10	R	58629	į (<u>-</u> '	CAM, RING
11	T	11891	* (-	PACKING
12			(-	HEAD ASSEMBLY (SUB. AR70460)
13	R	48506	Ì	-	SCREW, SPECIAL, LEAF SPRING ADJUSTING (POLISHED HEAD)
	R	48509	(-	SCREW, SPECIAL, LEAF SPRING ADJUSTING
14	R	57137	Ì	· - j	CONNECTOR, FUEL LINE
15	R	57798	į	-	VALVE, DELIVERY
16	R	57799	(-	SPRING, DELIVERY VALVE
17	R	57810	. (-) STOP, DELIVERY VALVE
18	R	57809	ĺ	-	SCREW, DELIVERY VALVE
19	R	54628	(-	WASHER, SPECIAL, LOCKING PLATE
20	R	54259	(-	PLATE, LOCKING
21	R	54261	(SCREW, LOCKING PLATE
22	R	54249	(-	CUSHION, GOVERNOR WEIGHT RETAINING (6 USED)
23	R	54252	(-) RETAINER, CUSHION (3 USED)
24	R	54242	* (-	RING, RETAINING (6 USED)
25	Ţ	11926	(-	SCREW, SET, SPECIAL
	R	54626	(-)) WIRE, VENT
27	R_	30725	(SCREW
28	AR	70460	(<u>-</u>	HEAD, ROTOR, HYDRAULIC
29	R	61713	(-) SPRING, LEAF (2 USED)
			•	,	

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-8, 30-9,

) KIT, OVERHAUL GASKET

NOTE: FOR FUEL INJECTION PUMP COMPLETE, SEE PAGE 25-5:

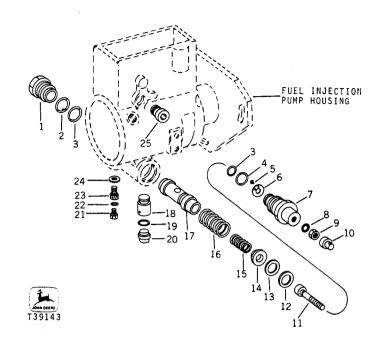
30-11, 30-12, 30-13 AND 30-14: ... AR 63029

FUEL INJECTION PUMP AUTOMATIC ADVANCE GROUP (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

T39143

KEY PART NO.

CODE 1603



				OEMAL NO.	22001111011
1	R	40709) PLUG, PISTON HOLE
ż	Ř	56396	* }	- -) SEAL, PISTON HOLE PLUG
3	Ť	15710	* }	_) SEAL, PISTON HOLE PLUG (2 USED)
4	÷	17135	*		SEAL, PISTON HOLE PLUG
5	Ŕ	54224	}	-) SCREW, REED VALVE (2 USED)
6	Ŕ	56484	}	<u> </u>) VALVE, REED VALVE (2 03ED)
	Ħ	57812	\longrightarrow		PLUG, PISTON CONTROL
8	T	11915	* }	•) O-RING, ADJUSTING SCREW
ğ	÷	17122	}		NUT, SPECIAL
⊣ ŏ−	÷	17117	}		SCREW, SPECIAL ADJUSTING
11	÷	17123	}	•	
12	k	49211	}	-) SCREW, SPECIAL ADJUSTING
15	R	34635	}) RING, PISTON
14	무	17125	}	•) RING, PISTON
	k	57814	}	-) GUIDE, ADVANCE ADJUSTMENT
15 16	R		-) SPRING, INNER ADVANCE (COLORED GREEN)
		57813	,	-) SPRING, OUTER ADVANCE (COLORED BLUE AND WHITE)
17	R	60715	,	-) PISTON, ADVANCE
18	<u>R</u>	40703) PIN, ADVANCE
19	<u>.</u>	15712	* (-) SEAL, ADVANCE
20	R	40707	(-) PLUG, ADVANCE
21	<u>R</u>	54254		-) SCREW, SPECIAL
22	Ī	17951	* (-) SEAL
23	R	54251	. (-) SCREW, SPECIAL
24	<u>T</u>	11899	*(-) SEAL, HEAD LOCATING SCREW
25	R	54627	(-) SCREW, SPECIAL, THROTTLE STOP
*KIT	LIST	TED BELOV	W CONTAIN	S ALL PARTS FOLL	OWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-8, 30-9,
30-	10, 3	0-12, 30-1	3 AND 30-1	4:	
	AR	63029	() KIT, OVERHAUL GASKET
		**	`		,

DESCRIPTION

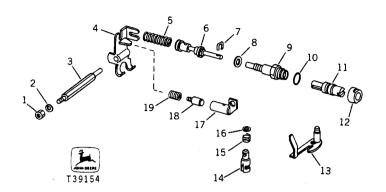
NOTE: FOR FUEL INJECTION PUMP COMPLETE, SEE PAGE 25-5:

SERIAL NO.

FUEL INJECTION PUMP GOVERNOR (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

CODE 1603

T39154



KEY	PAI	RT NO.		SERIAL NO.	DESCRIPTION
1	Т	11932		-	NUT, SPECIAL (2 USED)
2	Ř	34812	*	- 1	O-RÍNG (2 USED) (SUB. FOR T11906)
3	Т	11925		(-	SHAFT, ĠOVERNÓR ARM PIVOT
1 4	AR	73609		- XXXXX	ARM, GOVERNOR
1	AR	80910		(XXXXX-)	ARM, GOVERNOR
5	R	60710		(SPRING
6	AR	73607		-	ROD, CONTROL ASSEMBLY
7	R	57871		(-)) PIN
8	Т	11943	*	(-	WASHER, SPECIAL
9	R	60711		-	GUIDE, CONTROL ROD
10	Т	26256		(-) PACKING
11	AR	73608		(CAP, ADJUSTING
12	R	60713		- "	CAP, LOCKING
13	AR	30736		(-)) ARM, METERING VALVE
14	R	60714		(-)	VALVE, METERING
15	R	58422		-	SPRING, METERING VALVE (SUB. FOR T11907)
16	R	30732		(-) WASHER, SPECIAL
17	AR	73611		(-	BARREL, DAMPER
18	AR	73610		-	PISTON
I 19	R	60712		- XXXXX	SPRING
١	R	64567		XXXXX-	SPRING

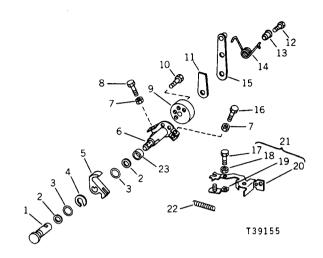
*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-8, 30-9, 30-10, 30-11, 30-13 AND 30-14:

.. AR 63029 (-) KIT, OVERHAUL GASKET

FUEL INJECTION PUMP LINKAGE GROUP (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

CODE 1603

T39155



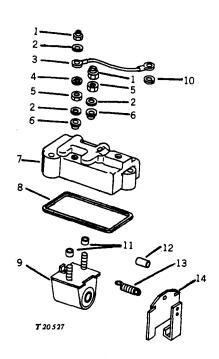
(EY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	R	59079) SHAFT, SHUT-OFF
2	Т	15720	*	· -) WASHER, FELT (2 USED)
3	Т	11915	*	(-) PACKING (2 USED)
4	7	11929		-	CLIP, SHAFT RETAINER
5	Т	11927		(-) LEVER, THROTTLE SHAFT
6	AR	71186	((· -) SHAFT, THROTTLE
7	T	11921) NUT, SPECIAL (2 USED)
3	Т	11941		(-) SCREW, SPECIAL, LOW IDLE ADJUSTMENT
9	_T	19861		() SPACER, ARM THROTTLE LEVER ADJUSTING
0	T	11917		(-) SCREW, SPECIAL (2 USED)
1	Т	19860	((-) ARM, THROTTLE ADJUSTING
2	_T	19859		() SCREW, SOCKET HEAD
3	T	17950		() RETAINER, THROTTLE LEVER SPRING
4	Т	17949	1	(-) SPRING, THROTTLE LEVER
	AR	46843	(() LEVER, THROTTLE
6	T	11920		(-) SCREW, HIGH IDLE ADJUSTING
7	R	30718	1	(-) SCREW, SPECIAL
8	R	30719		() WASHER, SPECIAL LOCK
9	AR	28602		(-) LINK, GOVERNOR HOOK ADJUSTING
0	R	48516		(-) HOOK
1	AR	51719		() HOOK ASSEMBLY, GOVERNOR LINKAGE
2	T	11911		(-) SPRING
3	R	60716		(-) SPACER

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-8, 30-9, 30-10, 30-11, 30-12 AND 30-14:
.. AR 63029 (-) KIT, OVERHAUL GASKET

FUEL INJECTION PUMP ELECTRIC SHUT-OFF GROUP (ROOSA-MASTER NO. DM4427HB2915) (WITH TURBOCHARGER) FUEL INJECTION SYSTEM, 3 PERCENT - 5 PERCENT GOVERNOR

CODE 1603

T20527



KEY	PAF	RT NO.		SERIAL NO.	DESCRIPTION
1	T	19977		_) NUT, LOCK (2 USED)
2	R	47049	(-) WASHER, TERMINAL CONTACT (3 USED)
1 3	AR	49542	. (- XXXXX) WIRE ASSEMBLY
1	R	66593	(XXXXX-	STRAP, GROUNDING
4	R	47077	į	-) WASHER, SPECIAL
5	Т	11938		-	NUT, SPECIAL (2 USED)
6	T	11936		•) WASHER, INSULATING (2 USED)
7	T	11919		-	COVER, GOVERNOR HOUSING
8	Т	11918	*	-) PACKING
9	AR	48219	(-) SOLENOID ASSEMBLY
10	12H	295	(-) WASHER, LOCK, NO. 10
11	Т	11937	ĺ	-) TUBE, COVER INSULATING
12	R	48795		-	TUBE, SHUT-DOWN ARM SPRING
13	Т	11935	į	- ') SPRING, SHUT-OFF ARM
14	AR	73613	į.	-) ARM, SHUT-OFF

*KIT LISTED BELOW CONTAINS ALL PARTS FOLLOWED BY AN ASTERISK ON THIS PAGE AND PAGES 30-8, 30-9, 30-10, 30-11, 30-12 AND 30-13: ... AR 63029

) KIT, OVERHAUL GASKET