1835C Uni-Loader
Service Manual

Table of Contents

Description	Section No.	Form No.
General	**Tab 1**	
Loctite Product Chart		8-98900
Safety Rules, Service Manual Introduction and Torque Specifications	1001	8-68450
Diesel Engine Specifications	1010	8-58770
Gasoline Engine Specifications	1010	8-58780
General Machine Specifications	1210	8-68460
Maintenance and Lubrication	1212	8-68470
Engine	**Tab 2**	
Engine Removal and Installation and Radiator Removal and Installation	2000	8-68500
Air Cleaner and Mufflers	2001	8-68510
Cylinder Head,Valve Train and Camshaft - Gasoline	2015	8-57880
Cylinder Head, Valve Train and Camshaft - Diesel	2015	8-57960
Cylinder Block, Pistons and Connecting Rods - Gasoline	2025	8-57890
Cylinder Block, Pistons and Connecting Rods - Diesel	2025	8-57970
Crankshaft - Gasoline	2035	8-57900
Crankshaft - Diesel	2035	8-57980
Oil Pump - Gasoline	2045	8-57910
Oil Pump - Diesel	2045	8-57990
Cooling System - Gasoline	2055	8-57920
Cooling System - Diesel	2055	8-58000
Engine Lubrication - Gasoline	2555	8-57930
Engine Lubrication - Diesel	2555	8-58010
Ignition System - Gasoline	2065	8-58710
Fuel System	**Tab 3**	
Engine Controls, Fuel Lines and Fuel Tank	3001	8-68520
Carburetor, Fuel Pump and Governor - Gasoline	3002	8-58700
Fuel Injection Pump and Fuel Filter - Diesel	3312	8-58810
Fuel Injectors and Glow Plugs - Diesel	3313	8-58800
Electrical	**Tab 4**	
Removal and Installation of Electrical Components	4000	8-68530
Electrical Specifications and Troubleshooting	4002	8-68540
Electrical Schematics	4003	8-68550
Battery	4005	8-44360
Starter Motor - Gasoline	4006	8-57940
Starter and Solenoid - Diesel	4006	8-58020
Alternator - Gasoline	4007	8-57950
Alternator - Diesel	4007	8-58030

PREVIEW - YOUFIXTHIS.COM

CASE CORPORATION

Rac 8-69341

Printed in U.S.A.
August, 1992

Download full manual at youfixthis.com

LOCTITE PRODUCT CHART

Product	Color	Similar Products	Gap (In Inches)	Strength (Steel/Steel)	Working Temperature Range-Farenheit	Fixture/Full Cure (Steel/Steel) Time	Primer	Description
#3	Dark Brown					24 hr	N/A	Form a Gasket (works with oil, fuel or grease) Pliable
80	Yellow					Fast	N/A	Weatherstrip Adhesive
123	Clear					N/A	N/A	Parts Cleaner Fluid
220	Blue	290	0.003	57/143 in lbs	-65 to +250	6 min/24 hrs	747	Wicking Threadlocker
221	Purple	222	0.005	75/44 in lbs	-65 to +300	2 min/24 hrs	747	Low Strength Threadlocker
222	Purple		0.005	53/30 in lbs	-65 to +300	20 min/24 hrs	764	Low Strength Threadlocker (Small Screws)
225	Brown	222	0.010	45/25 in lbs	-65 to +300	7 min/24 hrs	747	Low Strength Threadlocker
242	Blue		0.005	80/50 in lbs	-65 to +300	10 min/24 hrs	764	Medium Strength Threadlocker
262	Red	271	0.005	160/190 in lbs	-65 to +300	5 min/24 hrs	747	High Strength Threadlocker
270	Green	271	0.007	160/320 in lbs	-65 to +300	3 min/24 hrs	747	High Strength Threadlocker
271	Red	262	0.007	160/320 in lbs	-65 to +300	10 min/24 hrs	764	High Strength Threadlocker
272	Red	620	0.007	180/220 in lbs	-65 to +450	30 min/24 hrs	764	High Temperature, High Strength
275	Green	277	0.010	210/300 in lbs	-65 to +300	3 min/24 hrs	747	High Strength Threadlocker
277	Red		0.010	225/300 in lbs	-65 to +300	60 min/24 hrs	764	High Strength Threadlocker
290	Green		0.003	85/350 in lbs	-65 to +300	6 min/24 hrs	764	Wicking Threadlocker
*404	Clear	495	0.006	3200 psi	-65 to +180	30 sec/24 hrs	NA	Instant Adhesive
*406	Clear		0.004	3200 psi	-65 to +180	15 sec/24 hrs	N/A	Surface Insensitive Adhesive
*409	Clear	454	0.008	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gel Instant Adhesive
*414	Clear		0.006	2500 psi	-65 to +180	30 sec/24 hr	N/A	Instant Adhesive
*415	Clear	454	0.010	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gap Filling Instant Adhesive (Metals)
*416	Clear	454	0.010	2500 psi	-65 to +180	50 sec/24 hrs	N/A	Gap Filling Instant Adhesive (Plastics)
*420	Clear		0.002	2500 psi	-65 to +180	15 sec/24 hrs	N/A	Wicking Instant Adhesive
*422	Clear	454	0.020	2800 psi	-65 to +180	60 sec/24 hrs	N/A	Gap Filling Instant Adhesive
*430	Clear		0.005	2500 psi	-65 to +180	20 sec/24 hrs	N/A	Metal Bonding Adhesive
*445	White/Black		0.250	2000 psi	-65 to +180	5 min/24 hrs	N/A	Fast Setting 2 Part Epoxy
*454	Clear		0.010	3200 psi	-65 to +180	15 sec/24 hrs	N/A	Surface Insensitive Gen Instant Adhesive
*495	Clear		0.004	2500 psi	-65 to +180	20 sec/24 hrs	N/A	General Purpose Instant Adhesive
*496	Clear		0.005	2500 psi	-65 to +180	20 sec/24 hrs	N/A	Metal Bonding Adhesive
504	Brt Orange	515	0.030	750 psi	-65 to +300	90 min/24 hrs	None	Rigid Gasket Eliminator
509	Light Blue		0.020	750 psi	-65 to +320	6 hr/72 hrs	764	Flange Sealant
510	Red		0.020	1000 psi	-65 to +400	30 min/24 hrs	764	High Temperature, GAsket Eliminator
515	Purple		0.010	750 psi	-65 to +300	1 hr/24 hrs	764	Gasket Eliminator 515

Rac 8-98902 * Products 404-496 (except for #445) are all instant adhesives (super glues) they differ mostly in viscosity Printed in U.S.A.

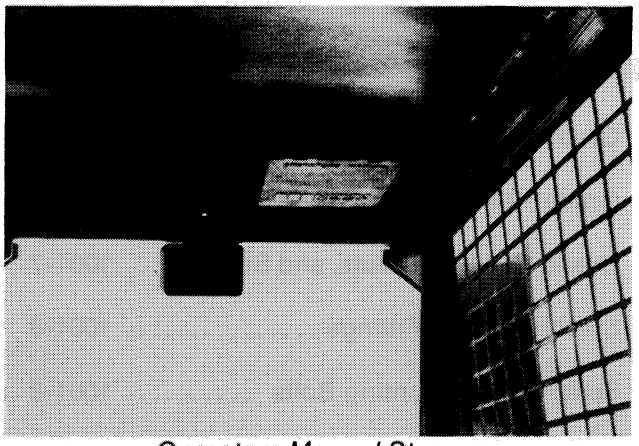
PREVIEW - PURCHASE

Download full manual at youfixthis.com

SAFETY RULES

Most accidents involving machine operation and maintenance can be avoided by following basic safety rules and precautions. Read and understand all the safety messages in this manual, the safety manual, and the safety signs on the machine before you operate or service the machine.

Read the operators manual and make sure you understand the operation of the machine.



Operators Manual Storage 876405

The safety information given in this manual does not replace safety codes, insurance needs, federal, state, and local laws.

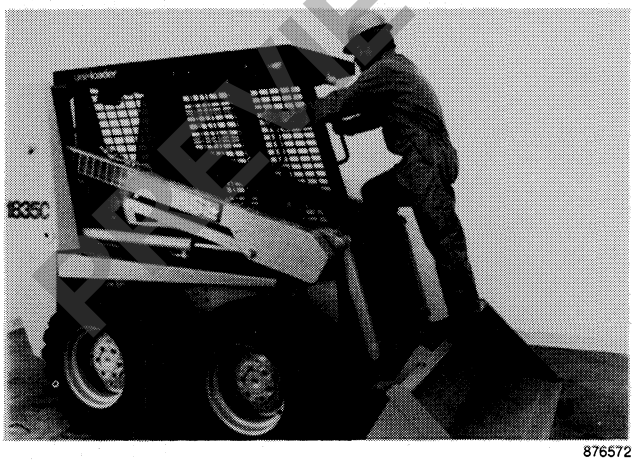
IMPORTANT: *Safety messages in this section point out situations which can be encountered during the normal operation and maintenance of your machine. These safety messages also give possible ways of dealing with these conditions.*

Additional safety messages are used in the text of the manual to show specific safety hazards.

BEFORE OPERATION

Do not wear loose clothing or jewelry that can catch on controls, etc. Safety shoes, heavy gloves, ear protection, etc., can also be required for your protection.

Foreign material or grease on the steps and hand rails can cause an accident. Keep the steps and hand rails clean.



876572

Remove all loose objects from the operators area and from the machine. Loose objects can jam controls and cause accidents.

Engine exhaust fumes can cause death. If you operate this machine in an enclosed area, use good ventilation to replace the exhaust fumes with fresh air.

Make sure all persons are away from the machine before you start the engine.

Before you start the engine, always fasten the seat belt and pull down the operators protection bars.

Use hand rails and step provided. Do not rush.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

GENERAL

Number of Cylinders	3		3
Bore and Stroke	3.58 to 4.06		91 x 103.2
Displacement	(123) CID		2.0 Litre
Compression Ratio	20.5:1		20.5:1
Maximum Oil Pressure	40 to 60 PSI		2.8 to 4.1 Bar
Minimum Oil Pressure (Idling)	7 PSI		0.5 Bar
Firing Order	1-3-2		1-3-2
Main Bearing Front	2.88 x 0.94		73 x 23.8
Main Bearing Int.	2.88 x 0.94		73 x 23.8
Main Bearing Thrust	2.88 x 1.25		73 x 31.8
Main Bearing Rear	2.88 x 0.94		73 x 23.8
Connecting Rod Bearing	1.94 x 0.96		49.2 x 24.5
Oil Capacity			
Crankcase	1.25 U.S. Gallons	1.04 U.K. Gallons	4.73 Litre
Filter	0.24 U.S. Gallons	0.20 U.K. Gallons	0.95 Litre
Total	1.50 U.S. Gallons	1.25 U.K. Gallons	5.68 Litre
Valve Clearance			
Intake	0.014 inch		0.36 mm
Exhaust	0.018 inch		0.46 mm
Water Capacity			
Engine	0.74 U.S. Gallons	0.62 U.K. Gallons	2.84 Litre
Weight (Approx.)			
(With Accessories)	500 lbs		227 kg
Thermostat Begins To Open At	180°F		81°C
Thermostat Fully Open At	202°F		94°C
Water Pump Drive Belt Deflection	0.5 inch		13 mm
Electrical System	12 Volt Negative Ground		

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TORQUE SPECIFICATIONS - DECIMAL HARDWARE

Use the torques in this chart when special torques are not given. These torques apply to fasteners with both UNC and UNF threads as received from suppliers, dry, or when lubricated with engine oil. Not applicable if special graphites, molydisulfide greases, or other extreme pressure lubricants are used.

Grade 5 Bolts, Nuts, and Studs



Size	Pound-Feet	Newton metres
1/4 in	9-11	12-15
5/16 in	17-21	23-28
3/8 in	35-42	48-57
7/16 in	54-64	73-87
1/2 in	80-96	109-130
9/16 in	110-132	149-179
5/8 in	150-180	203-244
3/4 in	270-324	366-439
7/8 in	400-480	542-651
1.0 in	580-696	787-944
1-1/8 in	800-880	1085-1193
1-1/4 in	1120-1240	1519-1681
1-3/8 in	1460-1680	1980-2278
1-1/2 in	1940-2200	2631-2983

Grade 8 Bolts, Nuts, and Studs



Size	Pound-Feet	Newton metres
1/4 in	12-15	16-20
5/16 in	24-29	33-39
3/8 in	45-54	61-73
7/16 in	70-84	95-114
1/2 in	110-132	149-179
9/16 in	160-192	217-260
5/8 in	220-264	298-358
3/4 in	380-456	515-618
7/8 in	600-720	814-976
1.0 in	900-1080	1220-1465
1-1/8 in	1280-1440	1736-1953
1-1/4 in	1820-2000	2468-2712
1-3/8 in	2380-2720	3227-3688
1-1/2 in	3160-3560	4285-4827

NOTE: *Use thick nuts with Grade 8 bolts.*

811360B

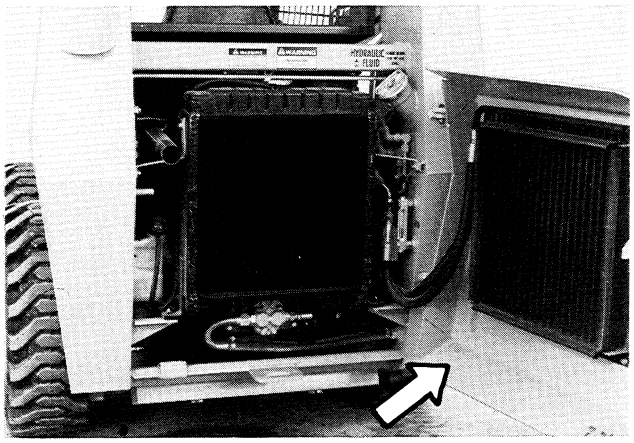
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ENGINE

Removal

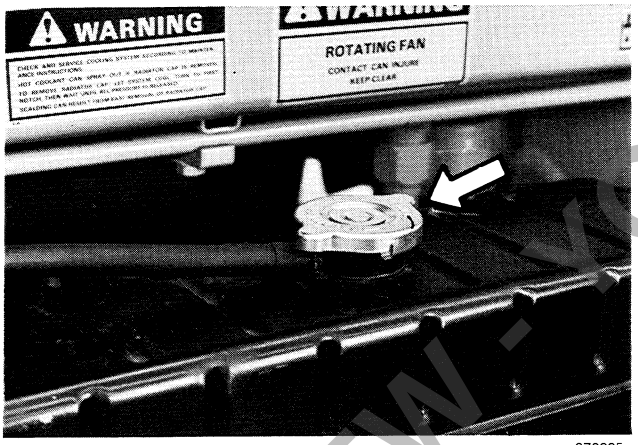
STEP 1



876392

Open the rear door.

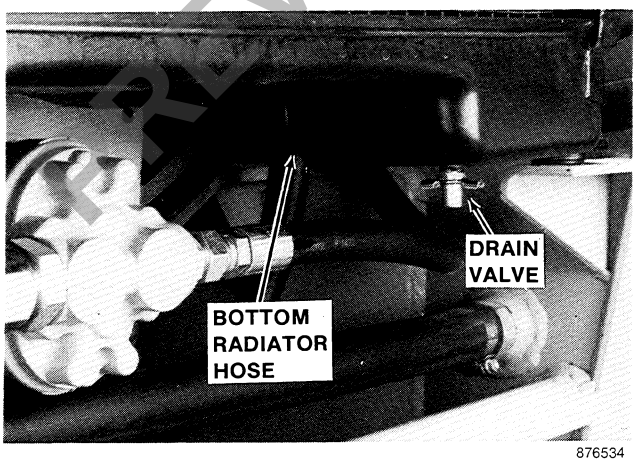
STEP 2



876395

Loosen and remove the radiator cap from the radiator.

STEP 3



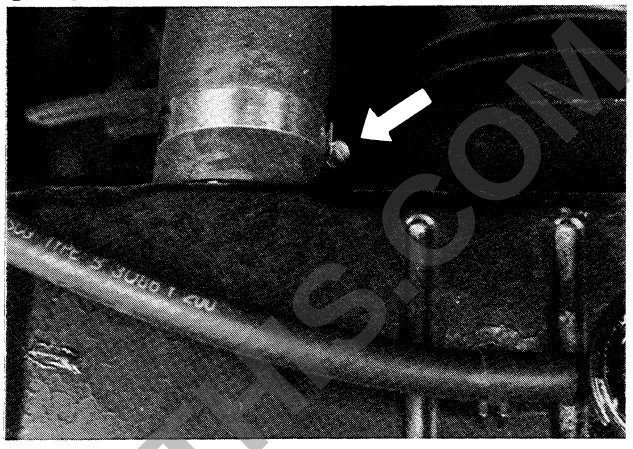
876534

Open the drain valve at the RH bottom side of the radiator and drain the cooling system. The cooling system capacity is approximately 18 quarts (17 litres) of coolant.

STEP 4

Loosen the clamp on the bottom radiator hose.

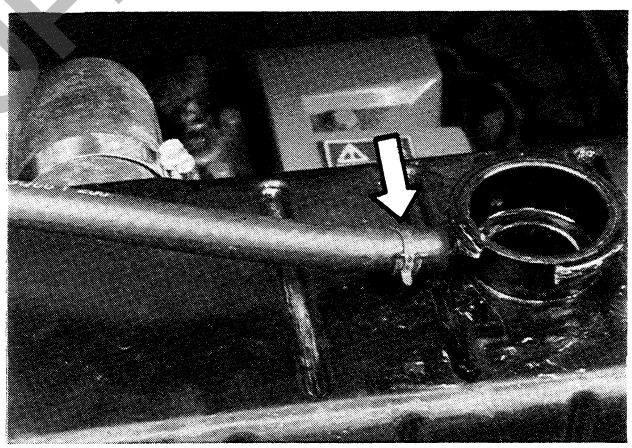
STEP 5



876544

Loosen the clamp on the top radiator hose and disconnect the radiator hose from the radiator.

STEP 6

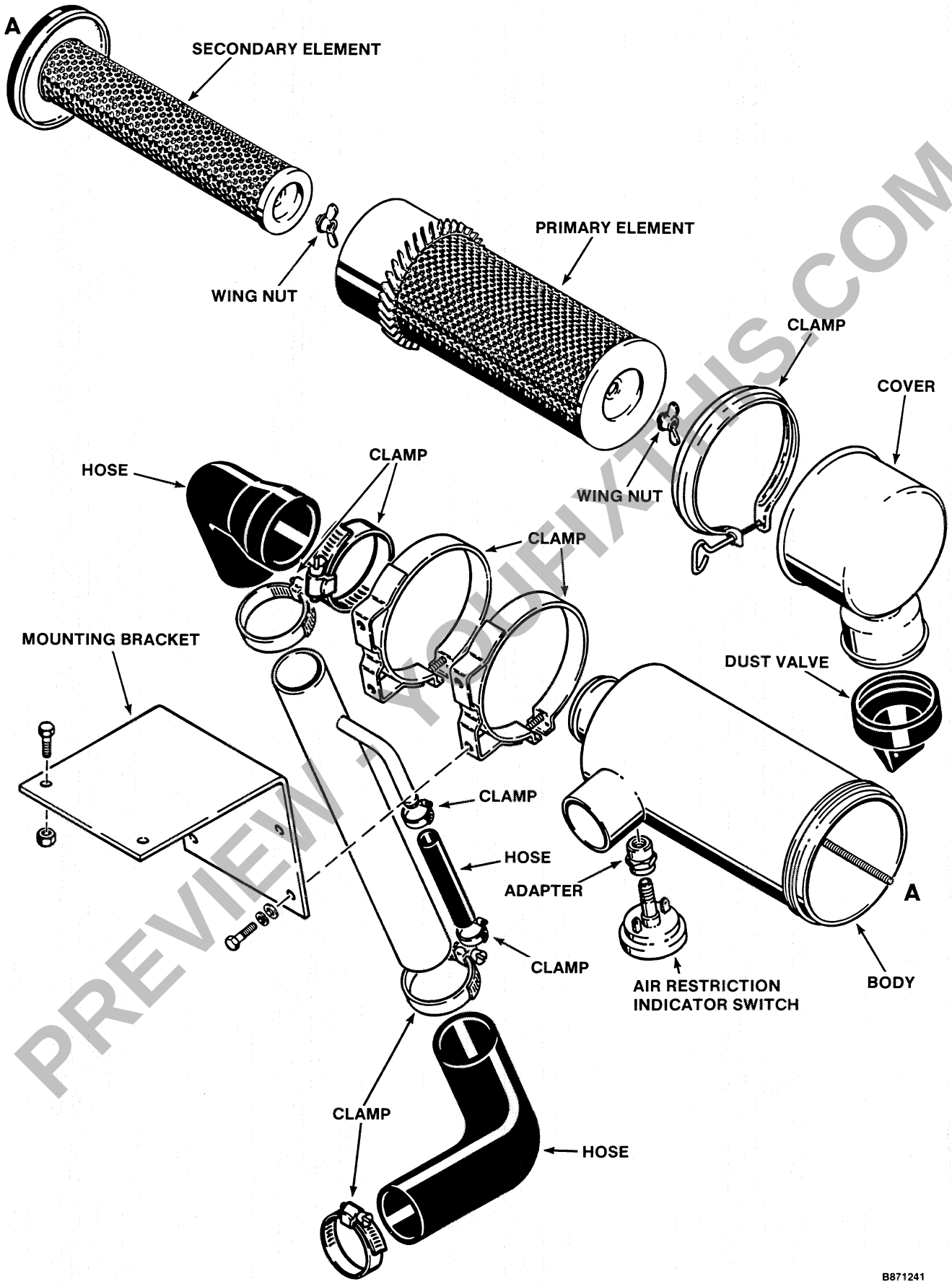


876548

Disconnect the hose for the coolant reservoir from the radiator. Remove the hose from the clamps on the radiator. Fasten the hose for the coolant reservoir out of the way.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



Air Cleaner and Air Cleaner Installation/Gas Engine

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE SCHEDULE (GASOLINE ENGINE)

REF. NUMBER	SERVICE POINTS	LUBRICATE	CHECK	CHANGE	REPLACE	CLEAN	SECTION	INTERVAL
7	Air Cleaner*					▒	2001	As Required
8	Hydraulic Filter**				▒		8001	
16	Wheel Nuts***		▒				6011	
5	Loader Pivot Points (10 Fittings)	▒					1212	10 HOURS OR DAILY
12	Engine Oil Level		▒				1212	
6	Air Cleaner Dust Valve		▒			▒	2001	
3	Hydraulic Fluid Level		▒				8001	
10	Hydraulic Fluid Cooler		▒			▒	8001	
11	Hose Connections		▒				1212	
4	Coolant Reservoir Fluid Level		▒				1212	
1	Tire Air Pressure and Condition		▒				6011	
2	Steering Cross Shaft (1 Fitting)	▒					1212	100 HOURS
13	Fan Belt Tension		▒				4000	
14	Engine Oil and Filter			▒	▒		1212	
9	Spark Arrester Muffler					▒	2001	
15	Drive Shaft Spline	▒					1212	

*Service the air cleaner element if the air cleaner warning lamp illuminates.

**Service the hydraulic filter element if the hydraulic filter warning lamp illuminates.

***Check the wheel nuts every two hours of operation until the nuts remain tight. The torque for the wheel nuts is 80 to 90 pound- feet (108 to 122 Nm).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

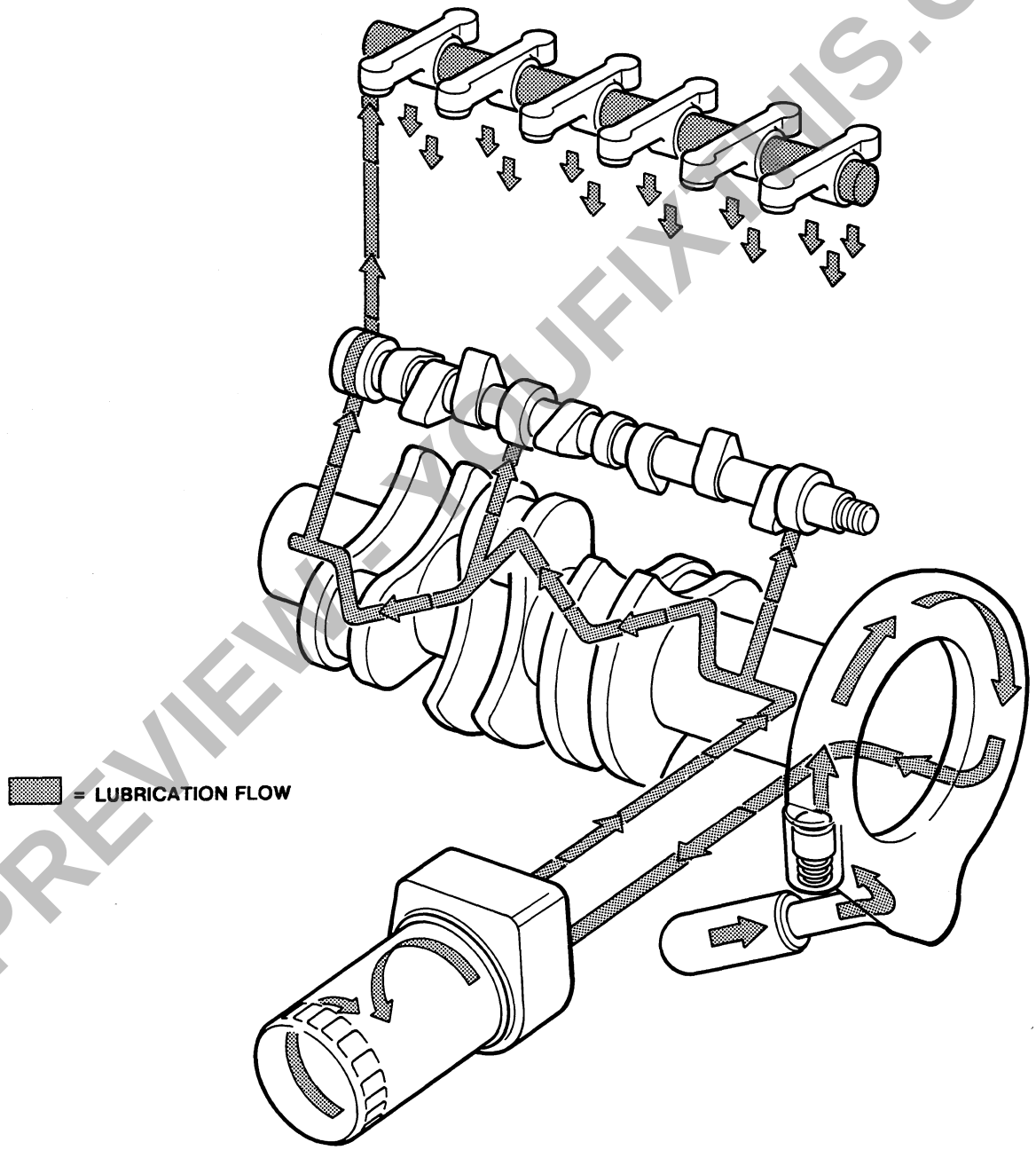
GENERAL

The TM20 Gasoline engine has full pressure lubrication to all main, connecting rod and cramshaft bearings. The rocker arms and timing gears are also pressure lubricated. The tappets are lubricated by oil return.

A full flow oil filter removes dirt and foreign material from the oil. To operate correctly the oil filter must be changed periodically. See Operator's Manual.

The oil pump is a gerotor type driven by the engine crankshaft. A filter screen on the inlet tube protects the pump from damage that could be caused by foreign material entering the pump.

A by-pass valve in the pump body maintains suitable engine oil pressure from idle to maximum speed automatically.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TROUBLESHOOTING CHART

Battery

PROBLEM	POSSIBLE CAUSE	CORRECTION
Discharged battery.	Low electrolyte level in battery.	See Electrolyte Level in Section 4005.
	Dirty battery top.	See Maintenance in Section 4005.
	Loose or dirty connections for battery cables.	Clean clamps on battery cables and clean battery posts.
	Damaged battery cell or cells.	Do Capacity (Load) Test in Section 4005.
	Low or no output from alternator.	Do Troubleshooting the Charging Circuit in this section.
Battery needs water frequently.	Battery malfunction.	Do Battery Tests in Section 4005.
	Bad wire connections between alternator and battery.	Clean and tighten connections.
	Bad voltage regulator.	Do Troubleshooting the Charging Circuit in this section.

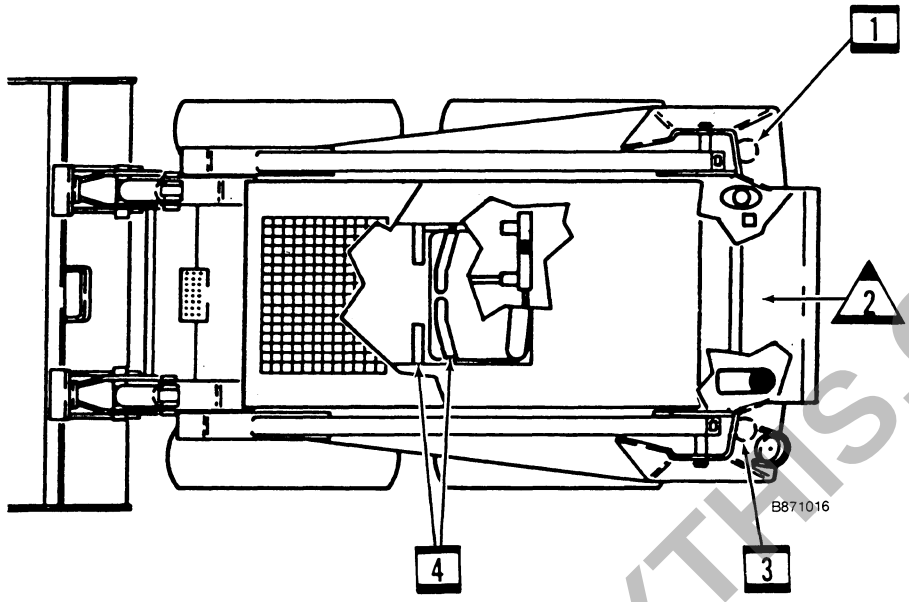
Alternator

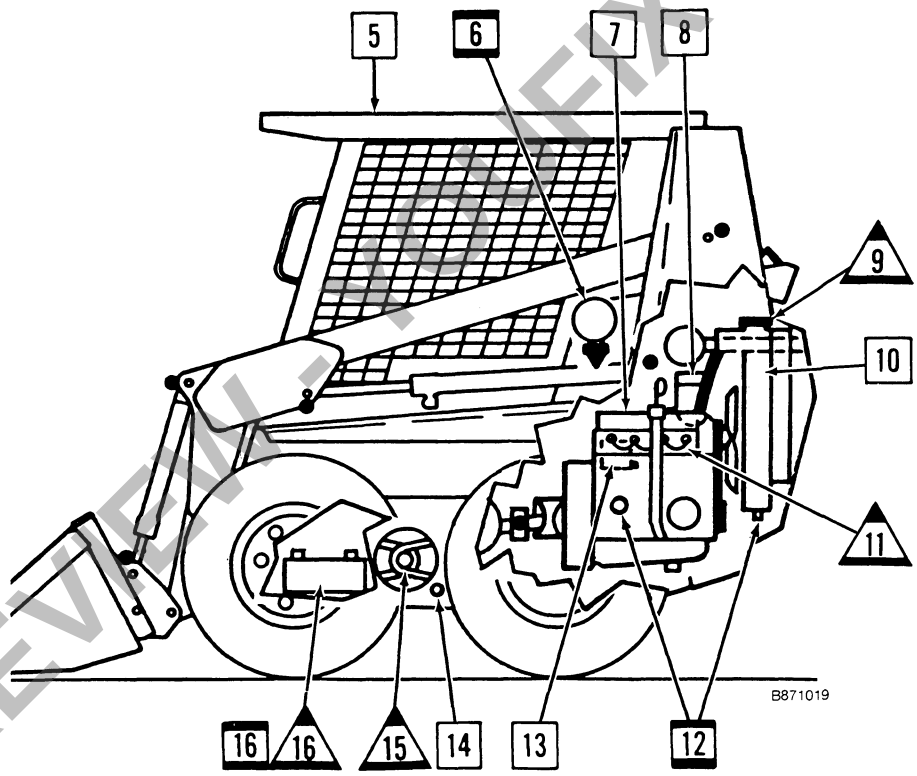
PROBLEM	POSSIBLE CAUSE	CORRECTION
Noise coming from the alternator.	Damaged or worn drive belt.	Install a new drive belt.
	Damaged or loose pulley on the alternator.	Remove the pulley and check for damage to the rotor shaft and pulley. Install new parts as necessary. Tighten nut to specification in Section 4007.
	Worn or damaged bearings in the alternator.	Disassemble the alternator and replace the bearings as necessary. See Section 4007.
	Short circuit in the rectifier diodes.	Disassemble the alternator and do the diode tests in Section 4007.
	Short circuit in the stator.	Look for burned insulation on the stator coils. Also, do the stator tests in Section 4007.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE SCHEDULE (DIESEL ENGINE)

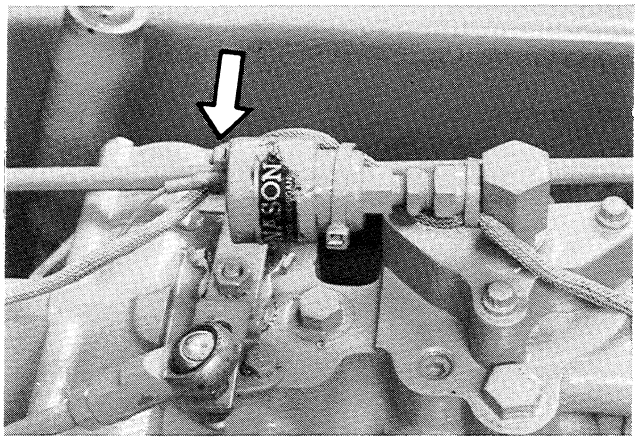




PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

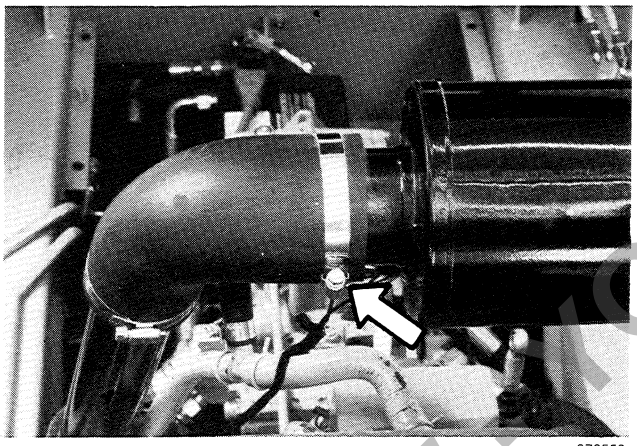
STEP 13



876522

Disconnect the wire from the charge pressure switch.

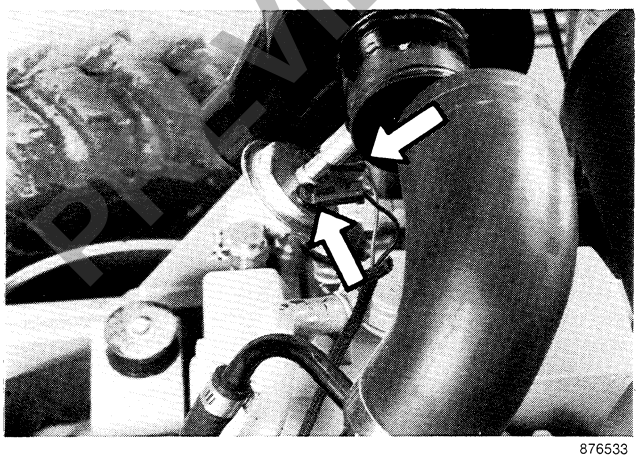
STEP 14



876552

Loosen the clamp that fastens the air cleaner hose to the air cleaner. Remove the hose from the air cleaner.

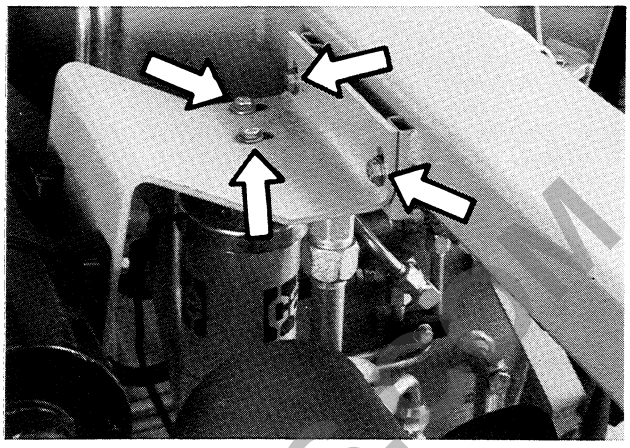
STEP 15



876533

Disconnect the wires from the air restriction indicator.

STEP 16



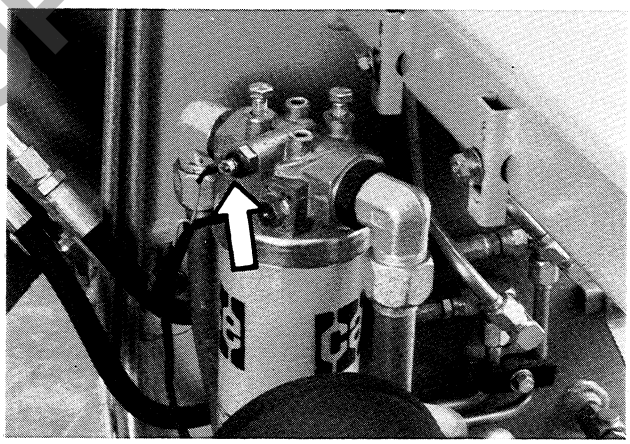
876525

Loosen and remove the cap screws, lock washers, and flat washers that fasten the air cleaner mounting bracket to the frame and the hydraulic oil filter.

STEP 17

Remove the air cleaner and mounting bracket from the machine.

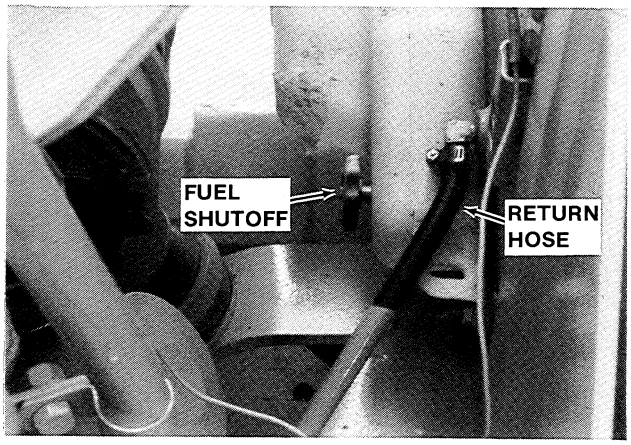
STEP 18



876530

Disconnect the wire from the hydraulic oil filter.

STEP 19



876512

If the machine is equipped with a diesel engine do steps 20 through 22.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

LOCTITE PRODUCT CHART

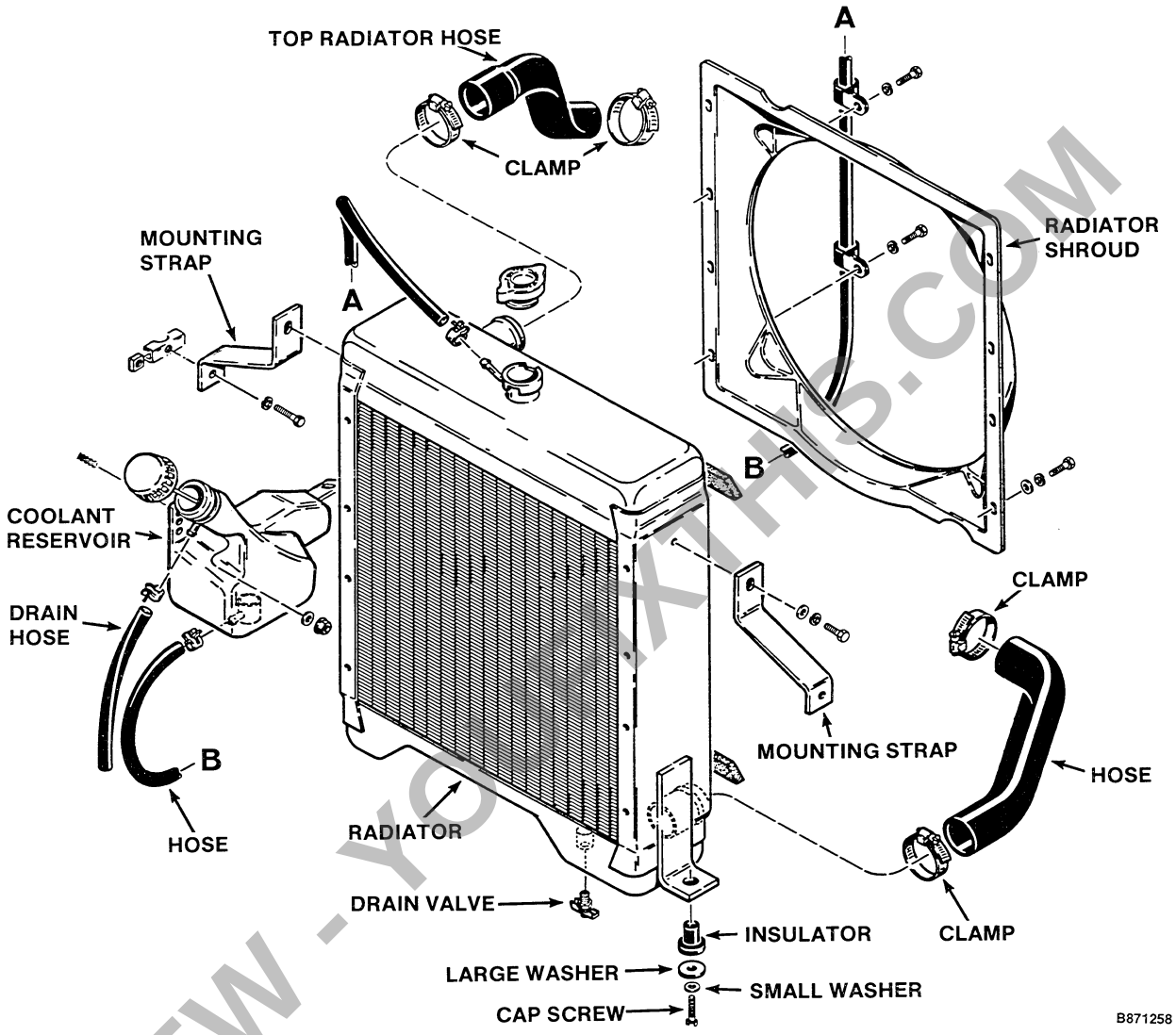
Product	Color	Similar Products	Gap (In Inches)	Strength (Steel/Steel)	Working Temperature Range-Farenheit	Fixture/Full Cure (Steel/Steel) Time	Primer	Description
518	Red	515	0.030	500psi	-65 to +300	1hr/24 hrs	764	Gasket Eliminator 518 for Aluminum
542	Brown	569	N/A	132/92 in lbs	-65 to +300	2 hr/24 hrs	747	Hydraulic Sealant
545	Purple		N/A	25/20 in lbs	-65 to +300	4 hr/24 hrs	747	Low Strength Pneumatic/Hydraulic Sealant
549	Orange	504	0.020	2500 psi	-65 to +300	2 hr/24 hrs	747	Instant Seal Plastic Gasket
554	Red	277	0.015	240/240 in lbs	-65 to +300	2 to 4 hrs/24 hrs	764	Refrigerant Sealant
567	White	592	N/A	500 psi	-65 to +400	4 hrs/24 hrs	764	Pipe Sealant for Stainless Steel
568	Orange	277	0.015	2500 psi	-65 to +300	12 hrs/24 hrs	764	Plastic Gasket
569	Brown	545	0.010	40/25 in lbs	-65 to +300	1 hr/24 hrs	764	Hydraulic Sealant
570	Brown	592	N/A	25/40 in lbs	-65 to +300	6 hrs/72 hrs	764	Steam Sealant
571	Brown	592	0.015	40/20 in lbs	-65 to +300	2 to 4 hrs/24 hrs	764	Pipe Sealant
572	White	578.575	N/A	80/27 in lbs	-65 to +300	24 hrs/72 hrs	None	Gasketing
592	White		0.020	500 psi	-65 to +400	4 hrs/72 hrs	736	Pipe Sealant with Teflon
593	Black		0.250	400 psi	-95 to +400	30 min/24 hrs	N/A	RTV Silicone
601	Green	609	0.005	3000 psi	-65 to +300	10 min/24 hrs	764	Current PIN #609
609	Green		0.005	3000 psi	-65 to +300	10 min/24 hrs	764	General Purpose Retaining Compound
620	Green	640	0.015	3000 psi	-65 to +450	30 min/24 hrs	747	High Temperature Retaining Compound
635	Green	680	0.010	4000 psi	-65 to +300	1 hr/24 hrs	747	High Strength Retaining Compound
638	Green	680	0.015	4100 psi	-65 to +300	10 min/24 hrs	747	High Strength Retaining Compound
640	Green	620	0.007	3000 psi	-65 to +400	1 hr/24 hrs	747	High Temperature Retaining Compound
660	Silver		0.020	3000 psi	-65 to +300	20 min/24 hrs	764	Quick Metal
675	Green	609	0.005	3000 psi	-65 to +300	20 min/24 hrs	747	General Purpose Retaining Compound
680	Green	635	0.015	4000 psi	-65 to +300	10 min/24 hrs	747	High Strength Retaining Compound
706	Clear	755	N/A	N/A	N/A	N/A	N/A	Cleaning Solvent
707	Amber		N/A	N/A	N/A	N/A	N/A	Activaltor for Structural Adhesives
736	Amber		N/A	N/A	N/A	N/A	N/A	Primer NF
738	Amber		N/A	N/A	N/A	N/A	N/A	Depend Activator
747	Yellow	N/A	N/A	N/A	N/A	N/A	N/A	Primer T
751	Clear		N/A	N/A	N/A	N/A	N/A	Activator for Structural Adhesives
755	Clear		N/A	N/A	N/A	N/A	N/A	Cleaning Solvent
764	Green		N/A	N/A	N/A	N/A	N/A	Primer N
767	Silver		N/A	N/A	-65 to +1600	N/A	N/A	Anti-Seize Lubricant

PREVIEW ONLY - PURCHASE FOR FULL VERSION

Download full manual at youfixthis.com

Printed in U.S.A.

RADIATOR

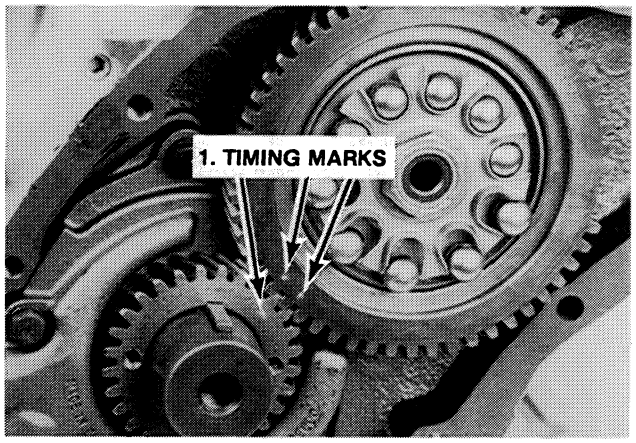


Radiator Installation

PREVIEW - YOUFIXTHIS.COM

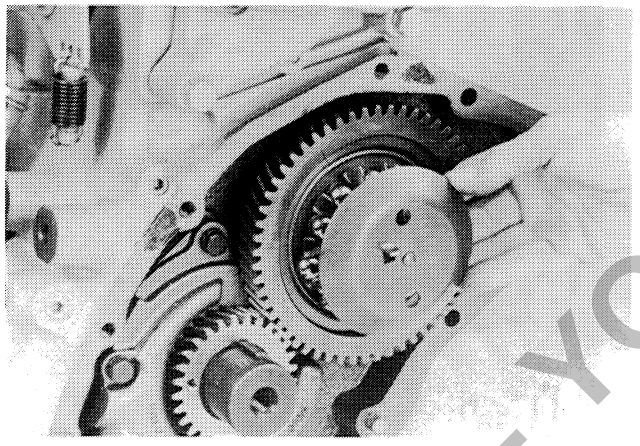
Download full manual at youfixthis.com

STEP 227



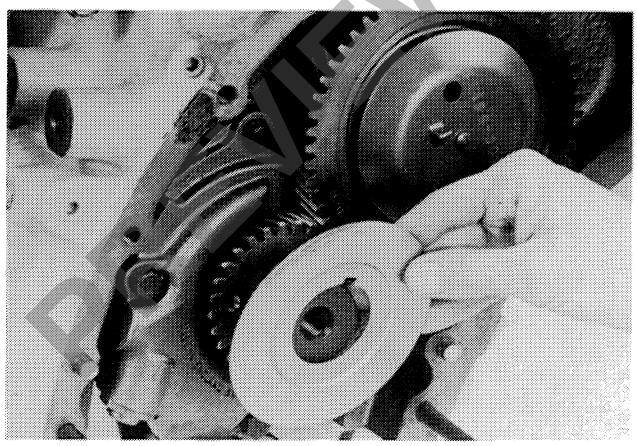
Make sure the timing marks are in alignment.

STEP 228



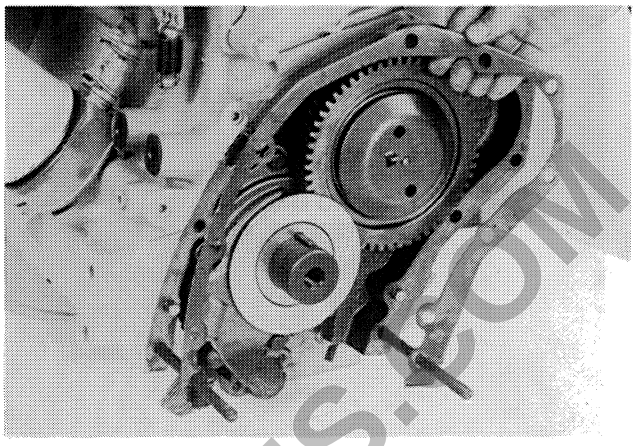
Install the governor upper race.

STEP 229



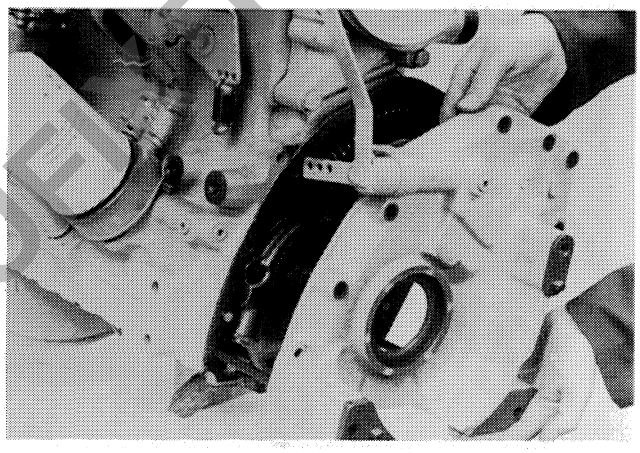
Install the oil slinger plate onto the crankshaft.

STEP 230



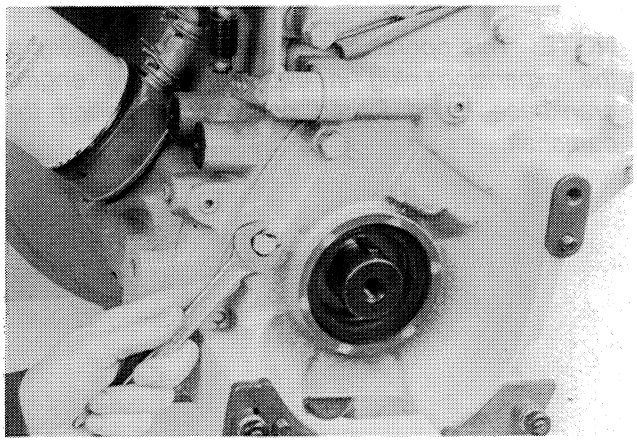
Clean the timing cover faces and fit a new gasket.

STEP 231



Install the timing cover.

STEP 232



Install and tighten the timing cover bolts.

NOTE: *The bolt shown is to be installed with a new copper sealing washer. The remaining timing cover bolts are installed with spring washers.*

Download full manual at youfixthis.com

TABLE OF CONTENTS

SPECIFICATIONS 3

SPECIAL TORQUES 4

STANDARD TORQUES 4

SPECIAL TOOLS 5

SERVICING THE ENGINE BLOCK

Removing The Pistons And Connecting Rods 6

Inspecting The Cylinder Bores 9

Machining And Honing The Cylinder Bores 11

Inspecting The Piston Rings 13

Inspecting The Connecting Rods And Piston Pins 15

Assembling The Pistons And Connecting Rods 19

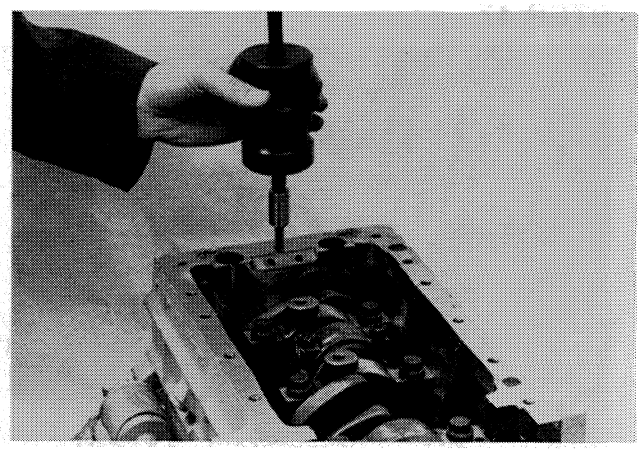
Installing The Pistons And Connecting Rods 21

THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.

PREVIEW BY YOUFIXTHIS.COM

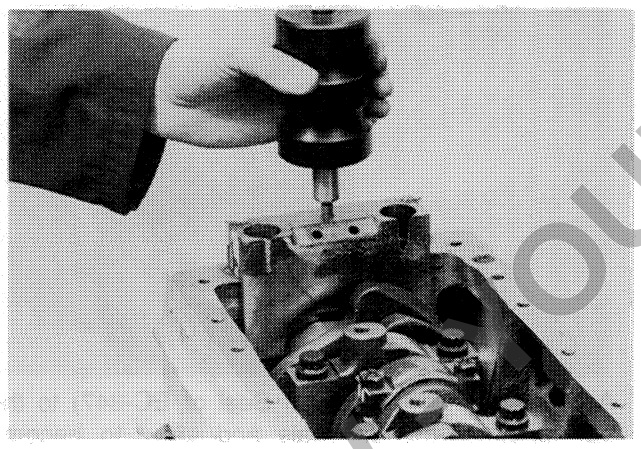
Download full manual at youfixthis.com

STEP 39



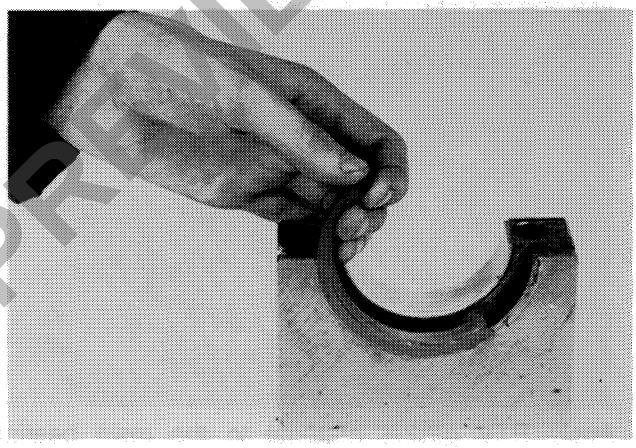
Install an impulse extractor with the correct thread into the main bearing block.

STEP 40



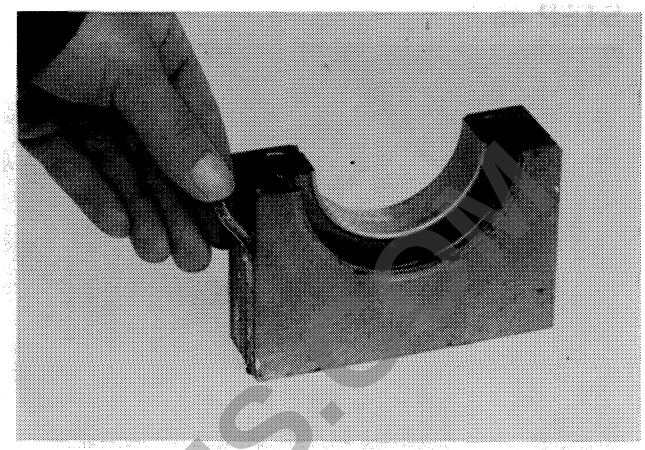
Operate the impulse extractor and remove the main bearing block.

STEP 41



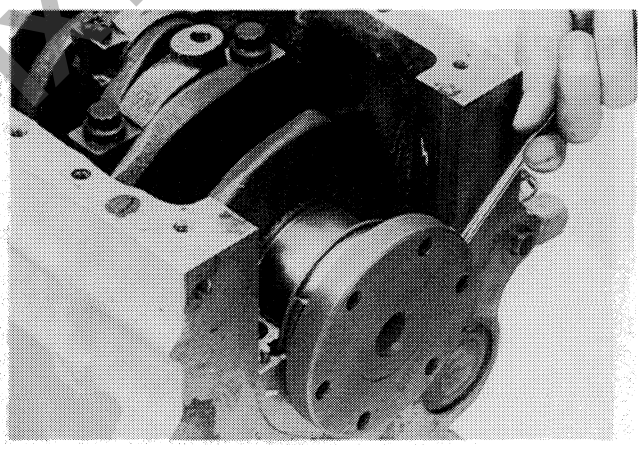
Remove the lower seal from the bearing block.

STEP 42



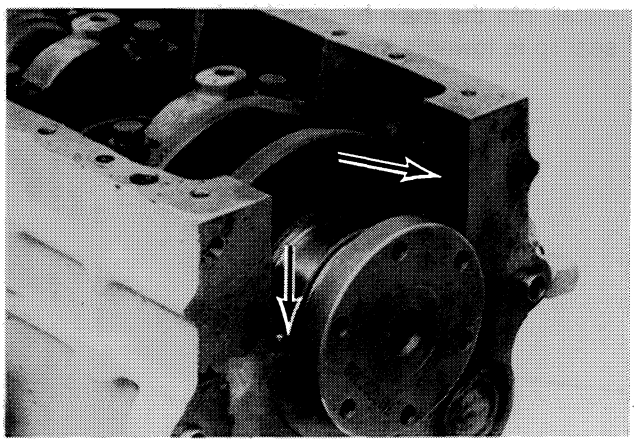
Remove the old sealing material from the channels in the bearing block and thoroughly clean the bearing block walls and dowel area.

STEP 43



Push the upper seal from the crankcase.

STEP 44

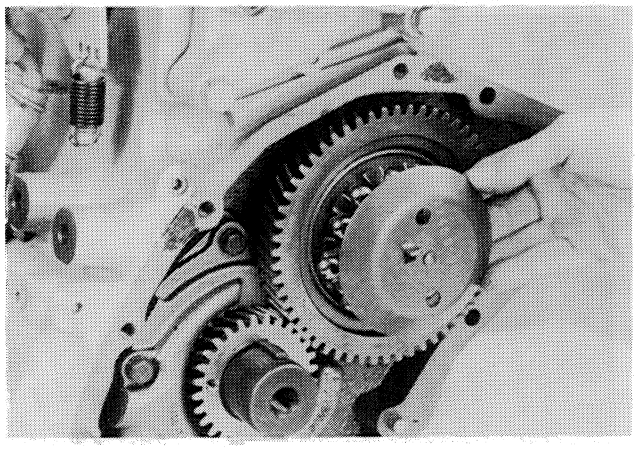


Thoroughly clean the crankcase bearing block walls and dowel area.

PREVIEW YOUFIXTHIS.COM

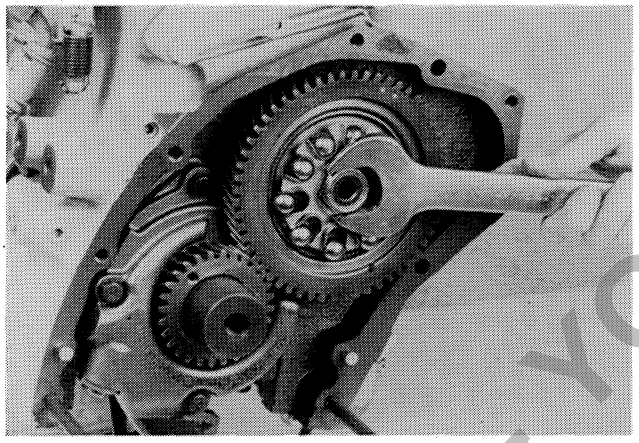
Download full manual at youfixthis.com

STEP 19



Remove the governor upper race.

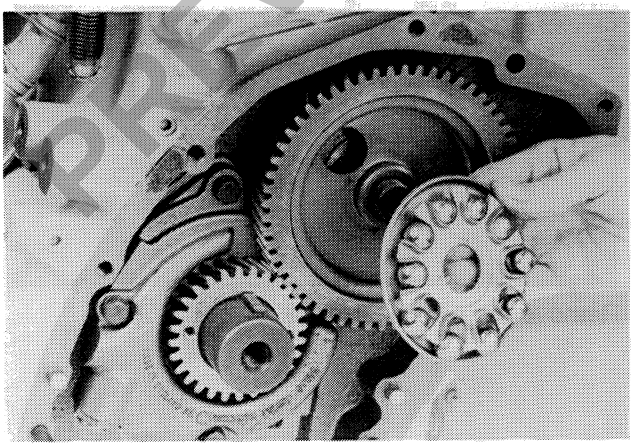
STEP 20



Remove the governor and camshaft gear retaining nut.

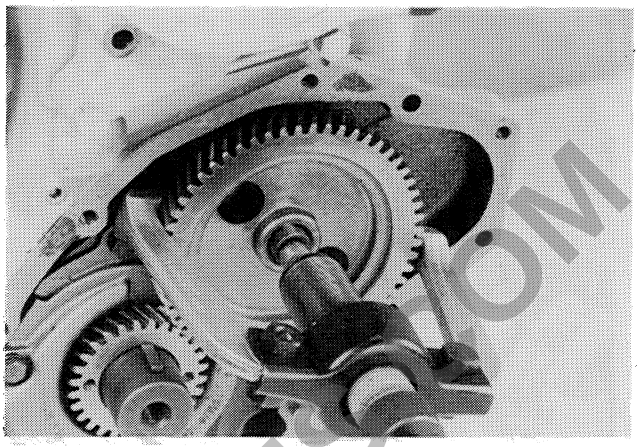
NOTE: *Discard the governor and camshaft retaining nut and replace with a new one for assembly.*

STEP 21



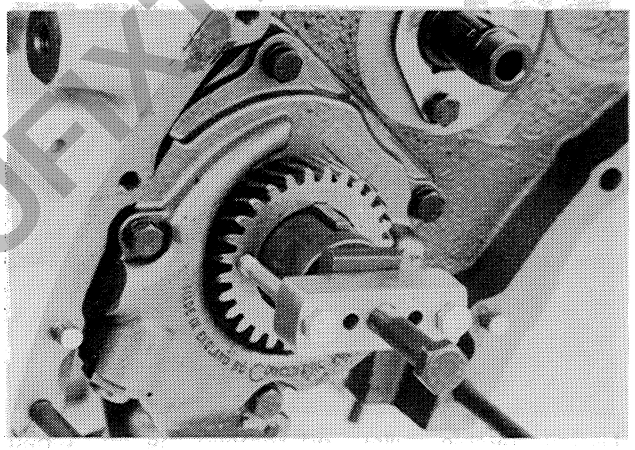
Remove the governor drive assembly.

STEP 22



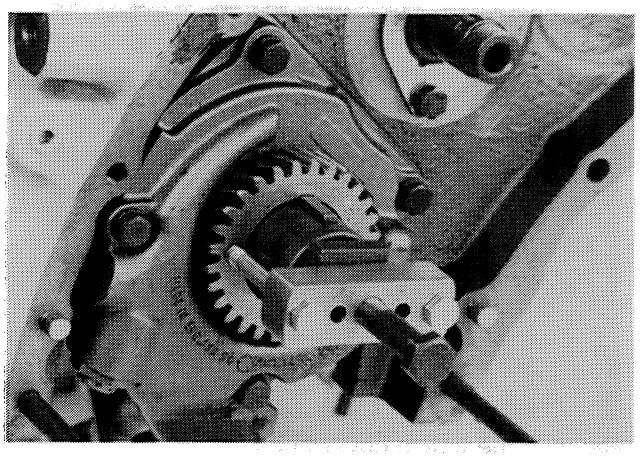
Use a suitable puller and remove the camshaft gear.

STEP 23



Make a special tool to remove the crankshaft gear. Refer to Special Tools.

STEP 24



Install the special tool and remove the crankshaft gear.

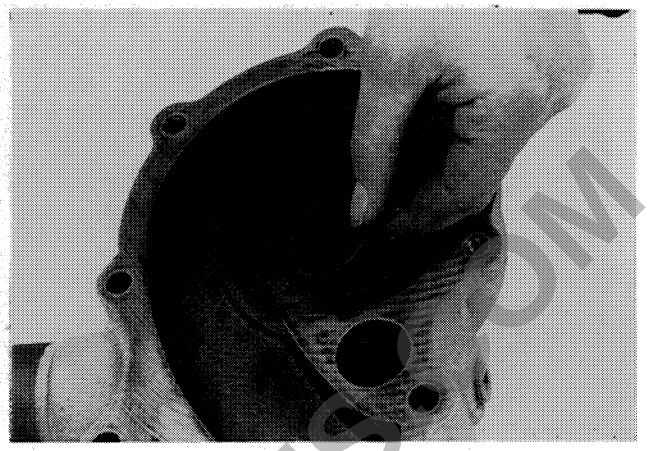
PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

STEP 53



Remove the gasket.

STEP 54



Remove the retaining ring.

Inspection

STEP 55

Inspect the shaft and seals. Replace if worn or damaged.

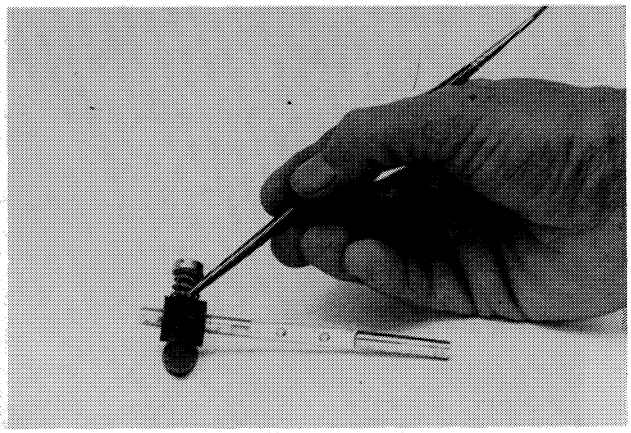
STEP 56

Inspect the impeller. Replace if worn or damaged.

PREVIEW - YOUFIXTHIS.COM

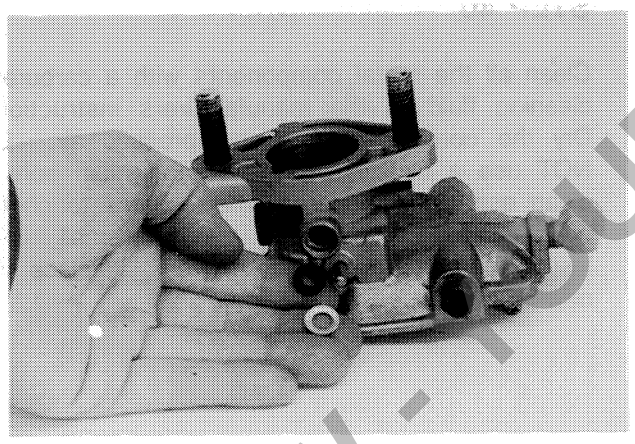
Download full manual at youfixthis.com

STEP 34



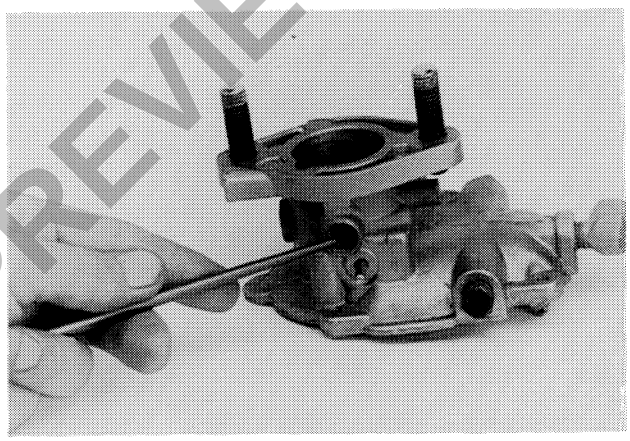
Drive out the roll pin and remove the shaft from the throttle stop.

STEP 35



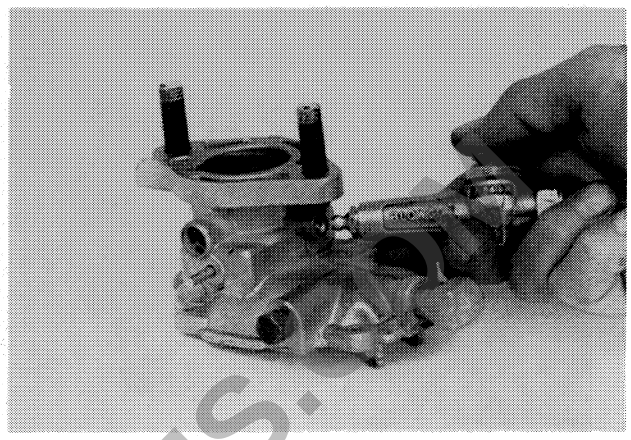
Remove the washer and seal.

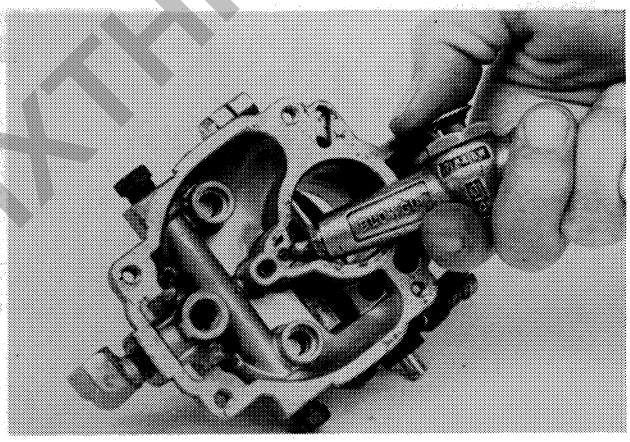
STEP 36



Inspect the throttle plate shaft bushings for damage or wear. Replace with new parts if necessary.

STEP 37





Use compressed air to make sure that all the ports in the carburetor top are free from dirt.

PREVIEW - YOUFIXTHIS.COM

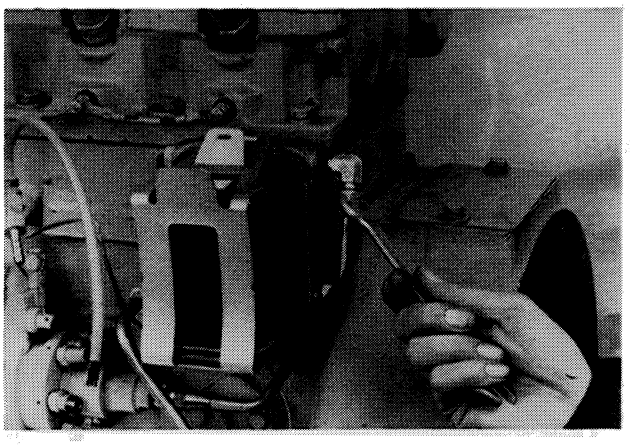
Download full manual at youfixthis.com

PRIMING THE FUEL SYSTEM

STEP 46

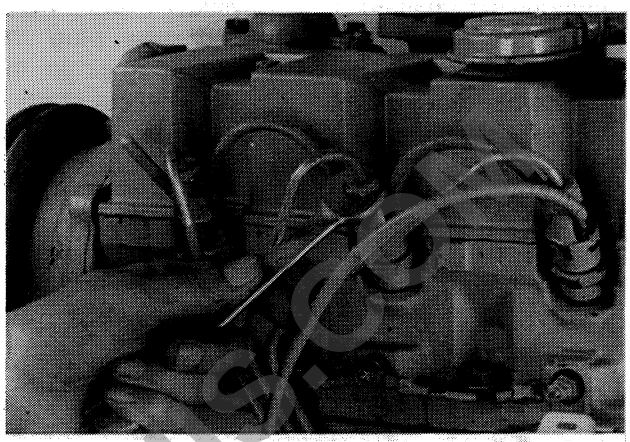
Make sure there is clean diesel fuel in the tank and the fuel supply tap is open.

STEP 47



Loosen the filter outlet union. Turn the ignition switch to the ON position until fuel free from air flows from the pipe. Tighten the union and turn the ignition switch to the OFF position.

STEP 48



Loosen the injector pipes at the injectors. Turn the ignition switch to the ON position until fuel free from air flows from the injector pipes. Tighten the injector pipe unions and turn the ignition switch to the OFF position.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Section 4006

STARTER AND SOLENOID

TMD20 Diesel Engine

PREVIEW - YOUFIXTHIS.COM

CASE CORPORATION

Don 8-58020

Printed in U.S.A.
July, 1987

Download full manual at youfixthis.com

STEP 97
Raise the wheels off the floor and use blocks to hold the machine in place.

STEP 98
Pull the cable for each parking latch out as far as possible and us locking pliers to hold the cables. Do not tighten the locking pliers too much or the cables will be damaged.

STEP 99
For diesel engines, connect a jumper wire from the positive battery post to the terminal on the fuel injection pump.

STEP 100
For gasoline engine, connect a jumper wire from the positive battery post to the positive terminal on the ignition coil.

STEP 101
Use the remote starter button and start the engine.

STEP 102
From the right side of the machine, slowly move the control arm for the front piston pump all the way forward and all the way rearward until the left drive system works correctly.

STEP 103
From the left side of the machine, slowly move the control arm for the rear piston pump all the way forward and all the way rearward until the right drive system works correctly.

STEP 104
Disconnect the jumper wire from the fuel injection pump or the ignition coil to stop the engine.

STEP 105
Check for oil leaks at the piston pumps.

STEP 106
Remove the remote starter button and the locking pliers that hold the cable for each parking latch.

STEP 107
Fasten the operator compartment in the normal position according to instructions in this section.

MOTOR

Removal

STEP 108
Remove all dirt and grease from the motor and the area around the motor.

STEP 109
Move the operator compartment forward according to instructions in this section.

STEP 110
Connect a vacuum pump to the filler pipe for the reservoir and start the vacuum pump.

STEP 112
Disconnect the drain hose.

a. Left. motor. Disconnect the tee from the fitting in the motor and install a plug in the tee.

b. Right motor. Disconnect the small hose from the motor and install a plug in the hose.

STEP 113
Stop the vacuum pump.

STEP 114
Disconnect the hoses from the motor. Fasten an identification tag to one of the hoses for correct assembly.

STEP 115
Install a plug in each hose.

STEP 116
Raise the wheels off the floor and use blocks to hold the machine in place/

STEP 117
Loosen and remove the wheel nuts and wheels.

STEP 118
Before removing the cover for the motor sprocket, loosen the plug in the cover. The plug will be removed during installation to help install the cover.

STEP 119
Loosen and remove the nuts, lock washers and flat washers that hold the cover.

STEP 120
Remove the cover.

STEP 121
If the gasket for the cover is damaged, remove the gasket from the cover (or frame).

STEP 122
Remove the thrust washer from the shaft of the motor.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

6006

CONTROLS

TABLE OF CONTENTS

Illustration of Controls 6006-2

Troubleshooting 6006-3

Machine Moves Slightly With Control Lever(s) in Neutral 6006-3

Machine Will Not Move at Maximum Speed 6006-3

Adjusting Control Linkage 6006-4

Adjusting the Neutral Position of a Piston Pump 6006-5

PREVIEW - YOUFIXTHIS.COM

CASE CORPORATION

8-68610

Printed in U.S.A.
Issued September 1987

Download full manual at youfixthis.com

8005

LOADER CONTROL VALVE

TABLE OF CONTENTS

Specifications 8005-2

Disassembly 8005-3

Inspection 8005-8

Assembly 8005-9

PREVIEW - YOUFIXTHIS.COM

CASE CORPORATION

8-42910

Printed in U.S.A.
Issued March 1986

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 857 pages

The full manual includes:

- All 857 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case Corporation 1835C Service Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual