W26B Loader

Operators Manual

9-2713

Reprinted

CASE

TIRES

SIZE	PLY	TYPE	PRESSURE
20.5 x 25	12	L-3 S H Rock Loader	40 lbs.
20.5 x 25	12	L-2 S G Loader	40 lbs.
20.5 x 25	16	L-2 S G Loader	50 lbs.
20.5 x 25	16	L-3 S H Rock Loader	50 lbs.
20.5 x 25	12	L-3 S H Rock Loader-Super Steel Guard	40 lbs.
23.5 x 25	12	L-3 S H Rock Lug	35 lbs.
23.5 x 25	12	L-2 S G Lug	35 lbs.
23.5 x 25	16	L-2 S G Lug	45 lbs.
23.5 x 25	20	L-2 S G Lug	55 lbs.
23.5 x 25	20	L-3 S H Rock Lug	55 lbs.
23.5 x 25	12	L-3 S H Rock Lug-Super Steel Guard	35 lbs.
23.5 x 25	16	L-3 S H Rock Lug	45 lbs.

CAPACITIES

Fuel Tank	82 gallons (310 liters)
Engine Crankcase	
Without Filter Change	12 quarts (11,3 liters)
With Filter Change	13 quarts (12,3 liters)
Front Axle Differential and Planetary Housings	42 pints (19,9 liters)
Rear Axle Differential and Planetary Housings	40 pints (18,9 liters)
Transmission and Torque Converter	5-1/2 gallons (20,8 liters)
Cooling System	
Radiator	16 quarts (15,1 liters)
Complete System	40 quarts (37,9 liters)
Hydraulic Reservoir, Refill	31 gallons (117,3 liters)
Total Hydraulic System Capacity (Approximate)	54 gallons (204,4 liters)

OPERATING WEIGHTS

*Approximate Normal Job Operating Weight	
With 3 yd^3 (2,3 m^3) Bucket	33,100 lb. (15 011 kg)
With 4-in-1 Bucket	34,320 lb. (15 565 kg)

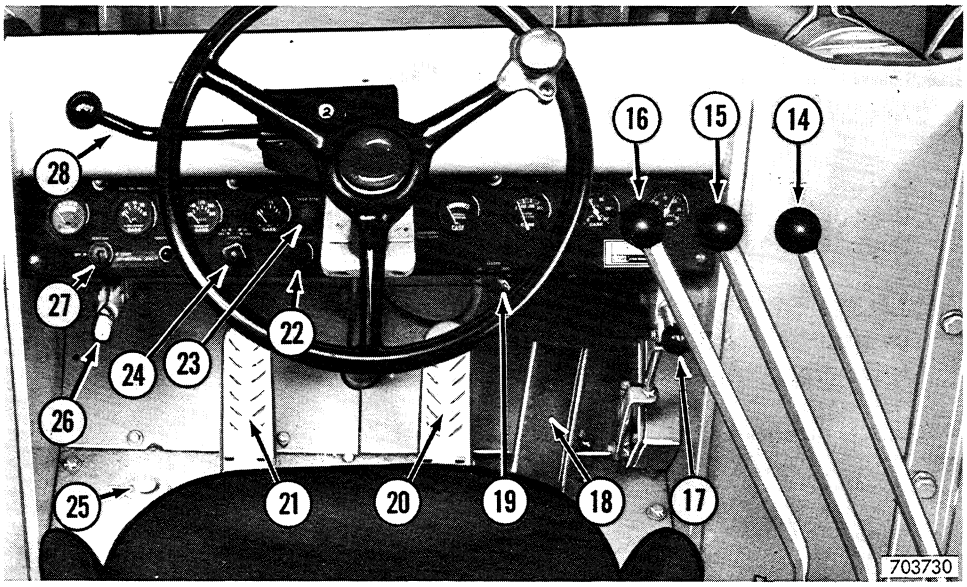
*Includes $CaCl_2$ in rear tires etc.

10. FUEL PRESSURE GAUGE - The fuel pressure gauge indicates when the fuel filters should be replaced. The normal operating zone is within the green band. Service the filters when the gauge needle enters the red zone.

11. AIR CLEANER SERVICE INDICATOR - The air cleaner service indicator indicates the amount of restriction in the air filters. The indicator has an internal red band. When this red band is fully visible, service the filters immediately.

12. TACHOMETER AND HOUR METER - Indicates engine speeds in revolutions per minute. Revolutions per minute is indicated in 50 R.P.M. steps. Hour meter records engine hours at an average engine R.P.M. in hours and tenths of hours.

13. HOURMETER - Used on first production machines. This instrument shows the hours and tenths of hours that the engine has run. It provides an accurate means of knowing when the loader is to be serviced. The hourmeter operates electrically and is turned on and off by an oil pressure switch.

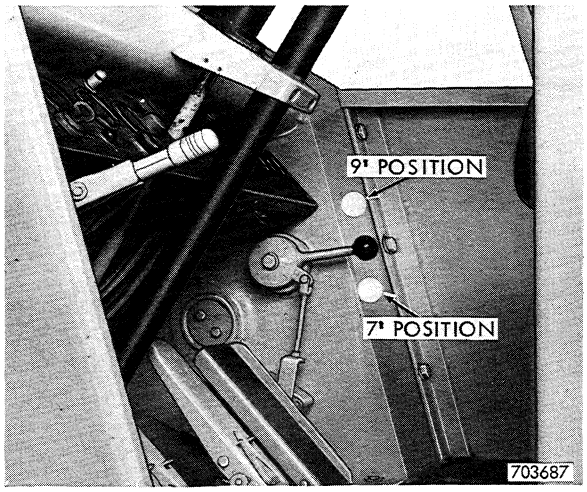


14. LIFT CONTROL LEVER - The lift control lever controls the lifting and lowering of the bucket.

15. TILT CONTROL LEVER - The tilt control lever controls the dumping and rolling back actions of the bucket.

Minimum loading height of seven feet can be obtained by moving the height control to its full down position and pulling back the loader lift control lever to the Raise detent position.

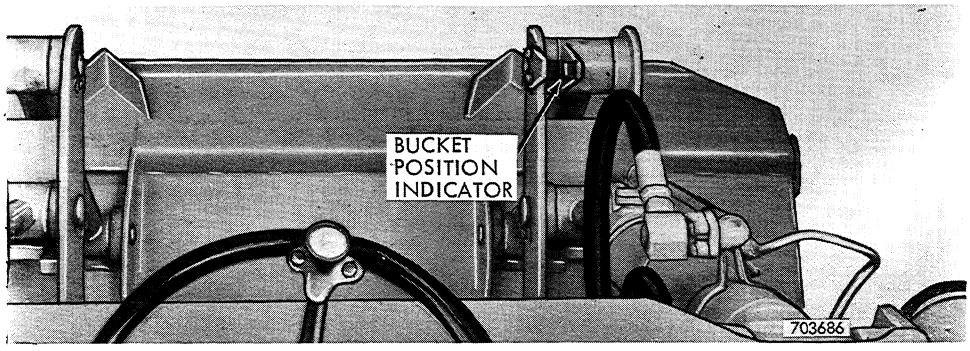
The operator may vary his choice of height by setting the control between these two positions.

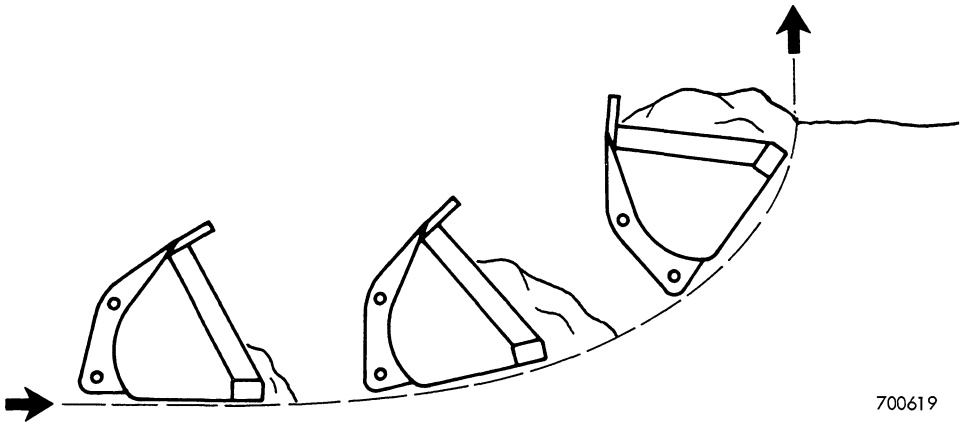


Bucket Height Control

BUCKET POSITION INDICATOR

The bucket position indicator is located on the right hand tilt linkage. When the two pointers are directly even with each other, the floor of the bucket will be level.





Refer to illustration above and proceed as follows:

1. Penetrate the bank about six to eight inches with the bucket.

2. Roll the bucket back, raise the bucket and move the loader forward all in one motion.

3. The bucket should be full when it reaches the top of the arc. Different materials will require different penetration. Practice will enable the operator to be more adept at judging the required penetration. Don't sit and spin wheels when crowding the bank.

Transporting

When backing out and transporting the load, carry the bucket just high enough to clear obstacles in the unit's path. Raising the bucket higher than necessary reduces traction and stability.

CAUTION: At no time should a load be transported with the bucket fully raised.

Dumping The Bucket

When dumping a load into a truck or hopper, gradually spill the load out of the bucket to ease the strain of added weight on the truck or receptacle. Dumping a load quickly in one big mass puts a sudden load shock on the truck or receptacle.

If part of the load remains in the bucket after dumping, knock the bucket against its stops to loosen any remaining material.

MAINTENANCE CHART

INTERVAL	SERVICE	INSTRUCTIONS
Run-In Every 2 Hours	Check wheel bolt torque until stabilized. Torque 380 to 420 foot pounds. (Dry threads).	
Run-In After First 20 Hours	Change engine oil.	See page 54.
	Replace engine oil filter.	See page 55.
	Check belt tension	See page 92.
Every 10 Hours or Daily	Grease the loader pivot points	See page 51.
	Check engine oil level.	See page 54.
	Drain water from main air reservoir (before S/N 9109992).	See page 94.
	Drain water from auxiliary air reservoir.	See page 95.
	Check fuel system for water.	See page 57.
	Check radiator coolant level.	See page 66.
Every 50 Hours or Weekly	Grease rear axle trunnion pivots.	See page 52.
	Grease upper and lower hinge pins.	See page 52.
	Grease steering cylinders.	See page 52.
	Check hydraulic oil level.	See page 78.
	Check transmission oil level.	See page 82.
	Check battery electrolyte level.	See page 74.
	Lubricate brake pedals.	See page 53.
Every 100 Hours	Change engine oil.	See page 54.
	Check belt tension.	See page 92.
	Grease all drive line grease fittings and plugs.	See page 52.
Every 200 Hours	Grease pitman arm link.	See page 53.
	Grease foot throttle cross shaft.	See page 53.
	Replace engine oil filter.	See page 55.
	Clean alcohol Evaporator filter.	See page 91.
	Check brake master cylinders (3) fluid level.	See page 87.

2. Remove filter, magnet, and cover gasket. Replace filter (preferred) or clean in solvent and blow dry. Replace gasket. Reinstall parts and tighten cover. Bleed system, page 59.

Transfer Pump Filter

1. See illustration, page 58. Clean area around sediment bowl. Loosen bail locknut. Remove bowl with element, spring, and gasket.

2. Replace element (preferred) or clean with diesel fuel unless damaged or coated with deposits. Clean bowl in diesel fuel and wipe dry. Replace gasket. Reinstall parts, tighten bail locknut, and bleed system.

First And Second Stage Filters

1. See page 58. Clean filter bodies and surrounding area. Remove both filters with a strap wrench. Discard the filters.

2. Apply a thin film of grease to the gaskets on the new filters. Install both by turning on clockwise until gasket contact is made. Hand tighten 1/2 to 3/4 turn. Bleed system.

Bleeding The System

The fuel system must be bled if air enters the lines as a result of:

1. Engine running out of fuel.

2. Parts removed for service or repairs.

3. Engine stored for a considerable period of time.

To bleed the system, fill the tank and turn the key switch on. Open the bleed screw on the first stage filter. Close the screw when clear fuel appears. Open the pressure relief valve 2-1/2 turns and loosen the bleed screw on the second stage filter. When clear fuel appears, close the relief valve and bleed screw.

Start the engine. If roughness or missing is detected, bleed each injector line starting with number one. Just "crack" open the tube nut at each injector.

If the engine still lacks power and stalls under load, repeat above bleeding procedure.

Replacing Thermostat

To replace thermostat(s):

1. Drain the radiator to a level below the thermostats.

2. Remove the upper radiator hose from thermostat housing. Then remove the three thermostat housing bolts and remove housing from water manifold.

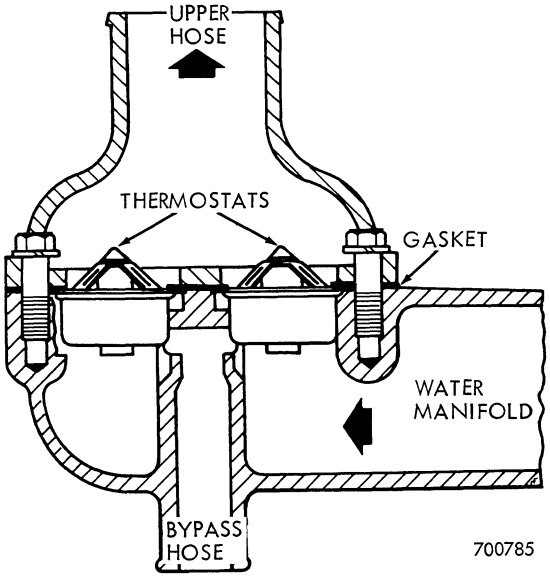
3. Remove thermostat(s) from water manifold.

4. Remove gasket from thermostat housing and/or water manifold.

5. Install new thermostat(s).

6. Place new gasket on water manifold and reinstall thermostat housing, tightening the three bolts evenly. Then reinstall upper hose on thermostat housing and tighten hose clamp.

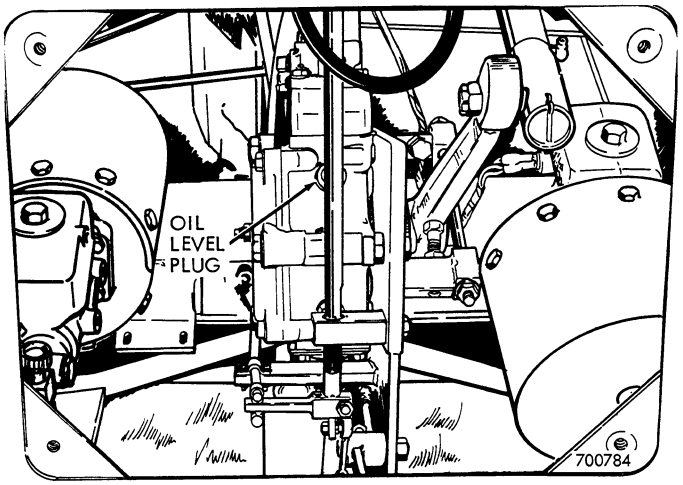
7. Refill radiator and operate engine for about five minutes and check for leaks. Check coolant level and add as required.



Thermostat Location

Steering Gear Box Oil Level

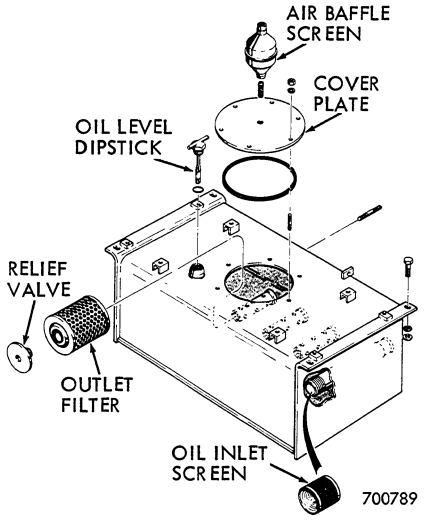
The steering gear box is located under the front access cover. Check the oil level every 500 hours.



Oil Change/Filter And Screen Service

Change the hydraulic oil and service the filters and screens (early production models only) after the first 20 hours of operation and every 500 hours thereafter.

Early Production Models



Reservoir, Early Production

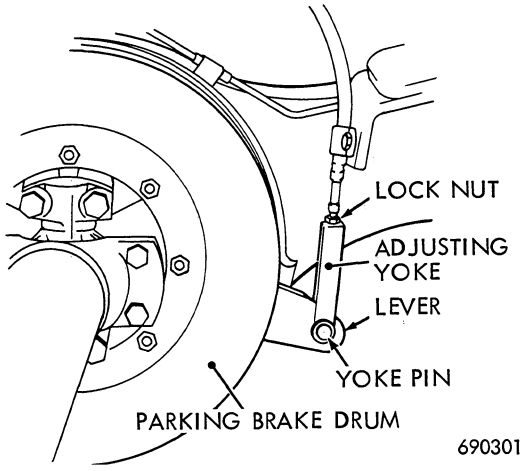
Minor Adjustment

Occasionally it will be necessary to adjust the parking brake. Refer to bottom photo, page 88. To adjust, push the brake handle down and turn in the handle a few turns. Pull up and check the desired tension.

After several minor adjustments, it may be necessary to perform a major adjustment.

Major Adjustment

Loosen locknut and remove the yoke pin. Turn the yoke clockwise to make the required adjustment. Be sure there is clearance between the brake lining and brake drum when parking brake is released. Replace yoke pin and tighten locknut.



NOTE: After several adjustments, check for brakelining wear as follows. Disconnect adjusting yoke from brake lever. Check the travel of the brake lever; if the lever travel exceeds 1-5/8 inches when disconnected from the yoke, the brake linings must be replaced.