

OPERATOR'S MANUAL

Branson 15R Series

- Please refer to this manual before you use the product.
- Please always place this manual near the product.
- And please note that this manual should be transferred to others if you transfer the product to them.



Branson
TRACTORS

MAINTENANCE SCHEDULE CHART

[illegible]

CHECK ITEMS		RUNNING HOURS															
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	1YR	2YR
16. Hydraulic fluid hose	C		●		●		●		●		●		●		●		
	R															●	
17. Fuel hose	C		●		●		●		●		●		●		●		
	R															●	
18. Electric cables	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
19. Greasing	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
20. Tightening handles	C		●		●		●		●		●		●				
21. Tightening bolts & Nuts	C	●	●		●		●		●		●		●		●		
22. Cooling fan belt	A	●	●		●		●		●		●		●		●		
23. Clutch	A		●		●		●		●		●		●		●		
24. Brake	A		●		●		●		●		●		●		●		
25. Engine breather pipe	C	●	●		●		●		●		●		●		●		
26. Engine crankcase cleaning	CL						●						●				
27. Intake/exhaust gas valves	C												●				
28. Fuel injection valve	C												●				
29. Generator motor	C	●	●				●				●						
30. Hydraulic system	C	●	●				●				●						

※ Meanings of symbols=R: Replace C: Check A: Adjust CL: Clean

※ Inspection should be done every 50 hours. If the tractor is not used much, inspect every year.

※ Replace parts every two years regardless of running hours.

FLUIDS

FLUIDS AND CAPACITY

No.	Fluid	Capacity (l)	Specification	Remarks
1	Fuel	27	Diesel fuel (KS2)	For summer: S, For winter: W
2	Engine oil	4.3	SAE 15W-40	CJ grade or higher
3	Grease	As needed	KSM2130 NO.2	Multi purpose type
4	Coolant	2515R(H) / 3015R(H) 3515R(H) / 4215R(H)	Radiator : 5.0 l (1.32 U.S. gal) Reservoir tank : 0.45 l (0.12 U.S. gal)	Appropriate genuine antifreeze NO.2 of KSM2142 or equivalent, permanent type
		4815R(H)	Radiator : 6.0 l (1.59 U.S. gal) Reservoir tank : 0.45 l (0.12 U.S. gal)	
5	Transmission oil (Also for hydraulic steering wheel)	34 (Mec. Model) 37 (HST Model)	TF500	TEXCO TDHOIL, 1893 CHEVRON tractor hydraulic fluid
6	Front axle	6.4	SAE#90	

WARNING

- Check the oil level regularly. Correct the oil level, if needed, before operating.
- Always check and add oil with the tractor on a flat, level surface.

Make sure to read this manual before use.

Keep this manual close to the machine.

Consider this manual as a part of the equipment. So when transferring this equipment to another person, this manual must be handed over as well.

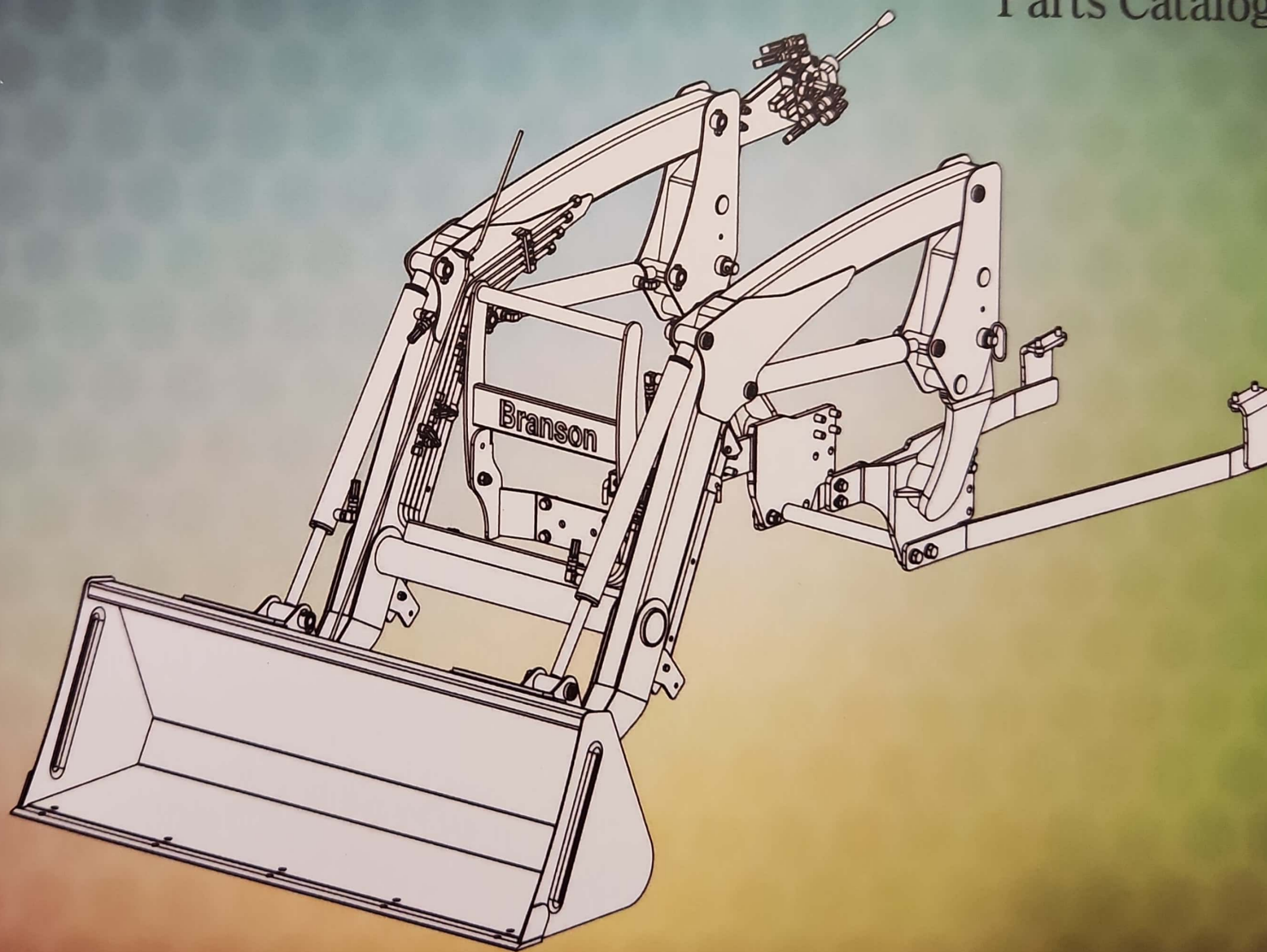


BL150/BL150C LOADER

Branson

TRACTORS

Operator's Manual & Parts Catalogue



LUBRICATION AND MAINTENANCE

Caution

Do not perform any service or maintenance operations with loader raised off the ground.

For additional access to tractor components remove loader.

Important

Lower the loader to the ground and relieve pressure in loader hydraulic lines prior to performing any service or maintenance operations on the tractor or loader.

Caution

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve all pressure.

Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible.

Use a piece of cardboard or wood rather than your hands to search for suspected leaks.

If injured by escaping fluid, seek medical attention immediately. Serious infection or reaction can develop if correct medical treatment is not administered immediately. Refer to Lubrication and maintenance Chart" for quick reference to Maintenance Operations.

Caution

Do not operate the loader if the fittings are leaking or if the hoses are damaged.

A sudden line burst could cause the mainframe to drop suddenly, causing damage to the tractor or loader or injury to personnel.

Caution

Operate the loader from the tractor seat only.

Caution

Do not stand or walk under a raised loader. Accidental movement of control lever or leak in hydraulic system could cause mainframe to drop, causing severe injury.

Check the tractor hydraulic system as outlined in the Tractor operator's Manual.

Note

When checking hydraulic system oil level, the loader should be on the ground and bucket fully retracted (all cylinders in retracted position).

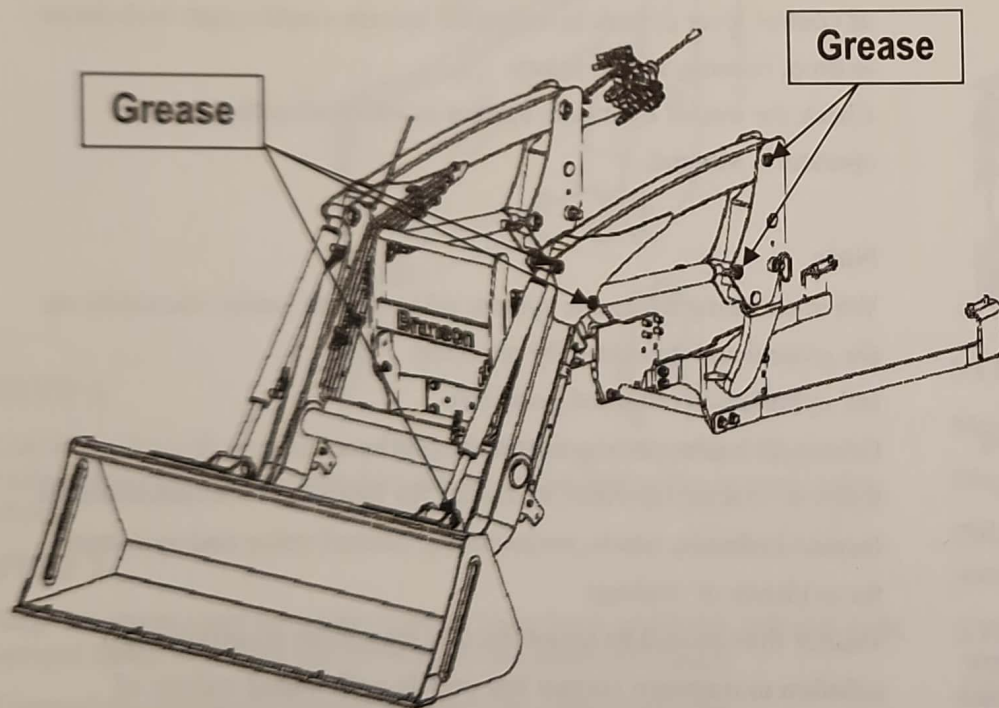
Grease all loader pivot points daily (10 hours).

Refer to Tractor Operator's Manual for lubricant recommendations.

Inspect hydraulic hoses, connections, control valve and cylinders for evidence of leakage.

Tractor tires should be maintained at maximum recommended inflation to maintain normal tire profile with added weight of loader/material. Unequal rear tire inflation can result in bucket not being level to the ground.

LUBRICATION AND MAINTENANCE



ITEM	SERVICE	SERVICE INTERVAL
Hydraulic system oil level	Check	Daily/10 hours
Hydraulic system oil/Filter	Replace	As specified in Tractor Operator's Manual
Tire Inflation	Check	Weekly/50 hours
Loader pivot points	Lubricate	Daily/10 hours
Loader hydraulic lines, hoses Connections	Check for leaks, wear	Daily/10 hours
Lift and bucket cylinder rod packing	Check for seepage, service as needed	Daily/10 hours
Pivot bolts and dust covers	Check, replace if missing	Daily/10 hours
Mid-mount latch and lynch pins	Check, replace if necessary	Daily/10 hours
Loader mount hardware	Check visually	Daily/10 hours
Loader mount hardware	Retighten	Every 25 hours