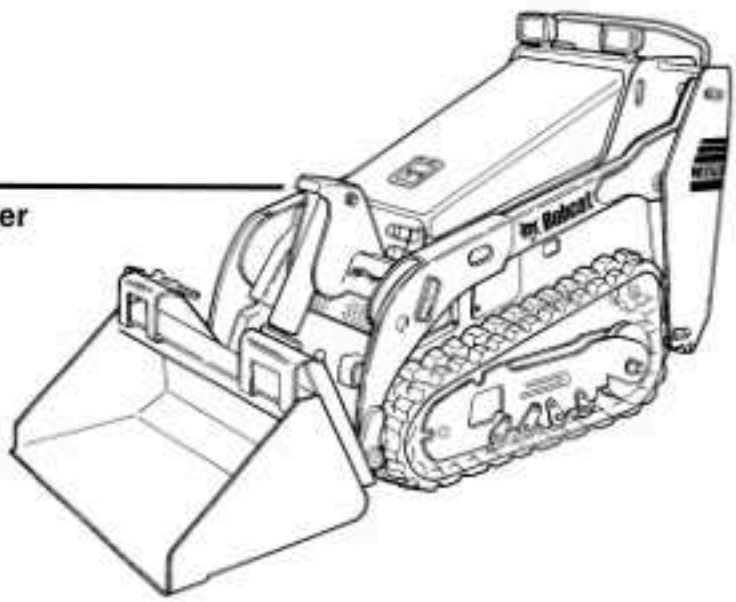
MT52

Bobcat®

Service Manual

S/N 523611001 & Above
S/N 523711001 & Above

Mini Track Loader



6902525 (3-06)

Ingersoll Rand
Compact Vehicle Technologies
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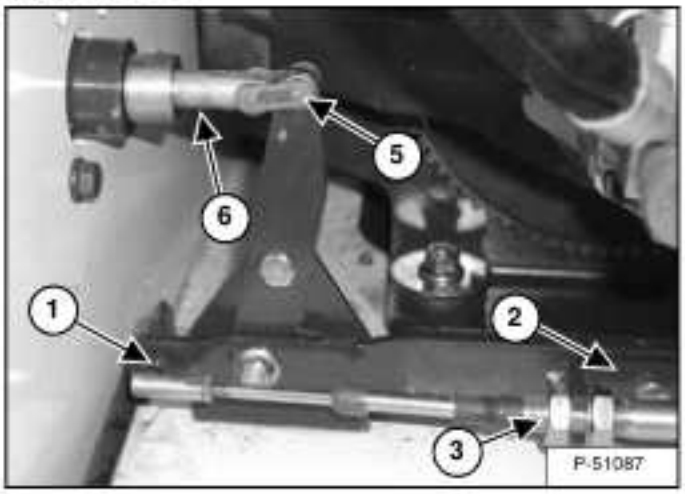
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Removing The Linkage Assembly

Remove the hydraulic reservoir. (See Removal And Installation on Page 20-70-1.)

Remove battery. (See Removal and Installation on Page 60-20-1.)

Figure 40-10-8

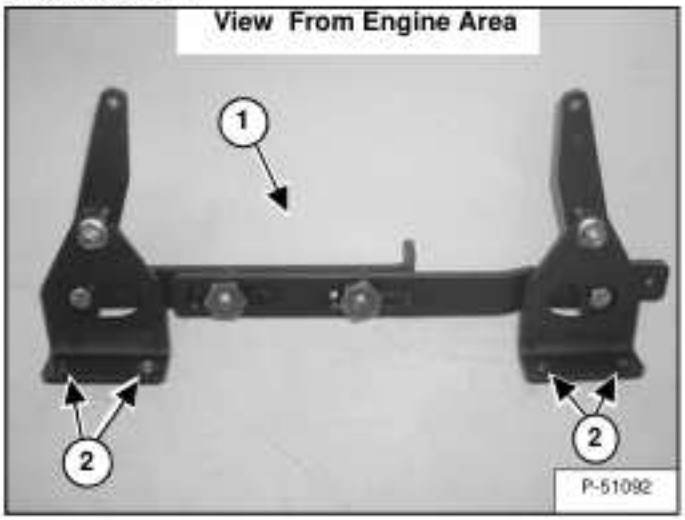


Remove the rod end (Item 1) from the lower cable mount (Item 2) **[Figure 40-10-8]**.

Loosen jambnut (Item 3) holding cable to lower cable mount (Item 2) **[Figure 40-10-8]** and remove the cable.

Remove the linkage retainer and linkage (Item 5) from the brake pin (Item 6) **[Figure 40-10-8]**.

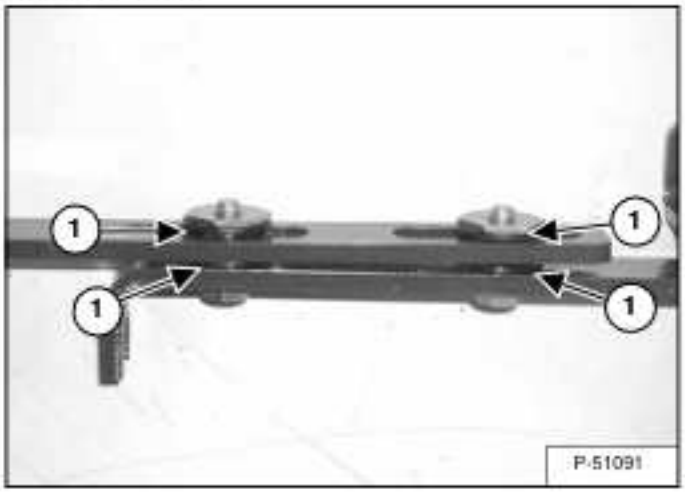
Figure 40-10-9



To remove the entire assembly (Item 1) remove the four bolts from the linkage mounting holes (Item 2) **[Figure 40-10-9]**.

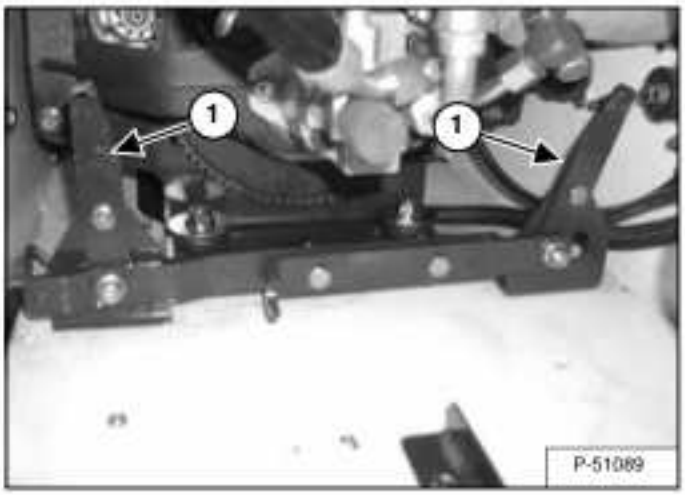
NOTE: The removed view is shown for visual clarity you do not need to remove the entire assembly for inspection.

Figure 40-10-10



Inspect the nylon bushings (Item 1) **[Figure 40-10-10]** for wear and replace if needed.

Figure 40-10-11

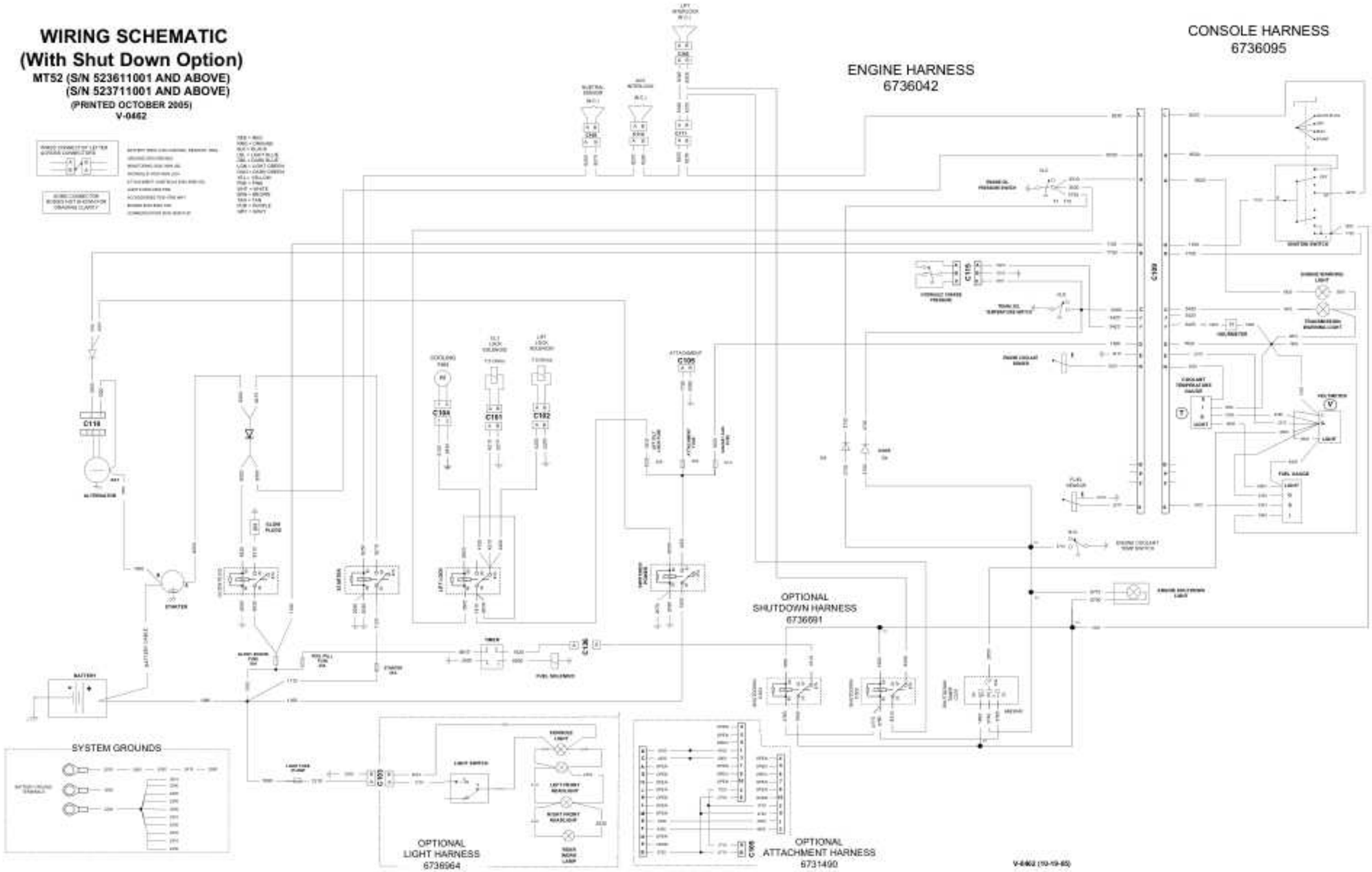


Inspect levers (Item 1) **[Figure 40-10-11]** for unrestricted movement, lubricate or replace parts as needed.

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WIRING SCHEMATIC
(With Shut Down Option)

MT52 (S/N 523611001 AND ABOVE)
(S/N 523711001 AND ABOVE)
(PRINTED OCTOBER 2005)
V-0462



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LOADER SPECIFICATIONS (MT52) (CONT'D)

Performance

Rated Operating Capacity (SAE)	520 lbs. (236 kg.)
Tipping Load (SAE)	1584 lbs. (718 kg.)
Operating Weight (SAE)	2506 lbs. (1137 kg.)
SAE Breakout Force - Lift	1490 lbf. (676 N)
- Tilt	1490 lbf. (676 N)
Travel Speed - Forward	0-3.5 mph (0-5,6 km/hr)
- Reverse	0-1.43 mph (0-2,3 km/hr)

Controls

Vehicle Steering	Direction and speed controlled by a single multi-function handle.
Loader Hydraulics	
-Lift and Tilt	Controlled by single joystick
-Front Auxiliary (Std.)	Controlled by single control lever
Auxiliary Pressure Release	Fore and aft movement of hand lever after engine has been shut off.
Engine	Hand lever throttle: Key-type starter switch and shutdown
Parking Brake (Std.)	Hand lever on right side of control panel
Secondary Brake	One of the hydrostatic transmissions
Service Brake	Two independent hydraulic circuits controlled by steering control device

Engine

Make/Model	KUBOTA D722-EB-BOBCAT-4
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Net) @ 3600 RPM	18.8 HP (14,0 kW)
Torque, Net @ 2600 RPM (SAE Net)	32.4 ft.–lbs. (43,9 N•m)
Number of Cylinders	3
Displacement	44.0 cu. in. (0,72 L)
Bore/Stroke	2.64/2.68 (67)/(68)
Lubrication	Gear Pump Pressure with filter
Crankcase Ventilation	Open
Air Cleaner	Dry replaceable cartridge with safety element
Ignition	Diesel-Compression
Engine Coolant	Propylene glycol/water mix (53%-47%) with freeze protection to -34°F (-37°C)
Starting Aid	Glow plugs
Low Idle	1100-1200 RPM
High Idle	3750-3800 RPM
Maximum Governed RPM	3600 RPM

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WIRING SCHEMATIC
(With Shut Down Option)

MT52 (S/N 523612277 AND ABOVE)
(S/N 523711055 AND ABOVE)
(PRINTED AUGUST 2005)
V-0731

CONSOLE HARNESS
6736095

ENGINE HARNESS
7110330

OPTIONAL
SHUTDOWN HARNESS
6736691

OPTIONAL
LIGHT HARNESS
6736964

OPTIONAL
ATTACHMENT HARNESS
6731490

SYSTEM GROUNDS

V-0731 (7-27-05)

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