T35100

S/N 366611001
& above

T35100L

S/N 366311001
& above

T35100SL

S/N 366211001
& above

T35120L

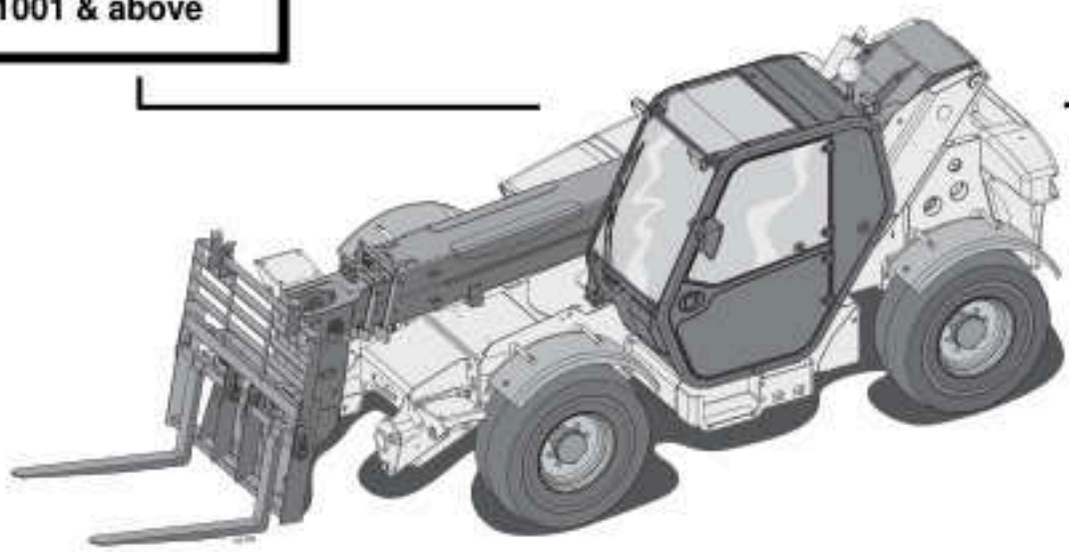
S/N 362711001 & above
S/N 363711001 & above

T35120SL

S/N 362611001 & above
S/N 363811001 & above

Bobcat®

SERVICE MANUAL



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Checking Oil Level (Rear Differential)

Figure 10-10-111-3

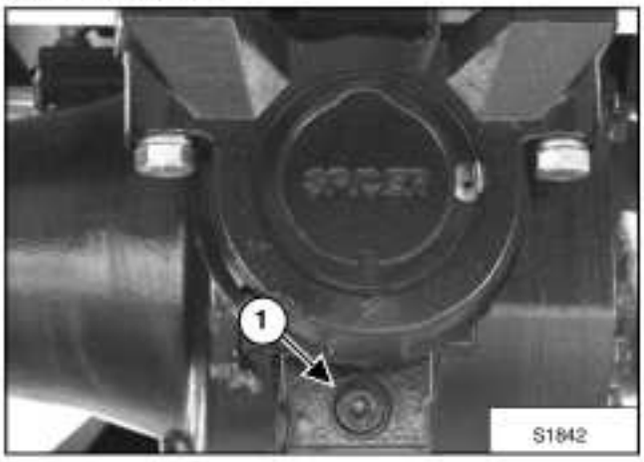


With the machine on a level surface, remove the plug (item 1) **Figure 10-10-111-3**. The oil level should be at the bottom edge of the plug hole.
Add oil through the hole if the oil level is below the hole. (See "Capacities" on page SPEC-10-3 for capacity and type.)
Install and tighten the plug.

Draining Oil (Rear Differential)

See "SERVICE SCHEDULE" on page 10-50-1 for the correct service interval.

Figure 10-10-111-4



With the machine on a level surface remove the plug (item 1) **Figure 10-10-111-4** and drain into a container. Recycle or dispose of the used lubricant in an environmentally safe manner. Add oil through the hole till the oil level is at the bottom edge of the plug hole.

Checking Oil Level (Front Differential)

Figure 10-10-111-5

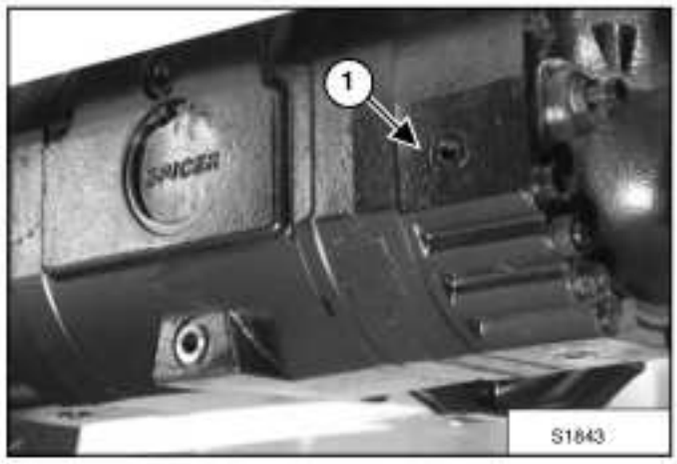
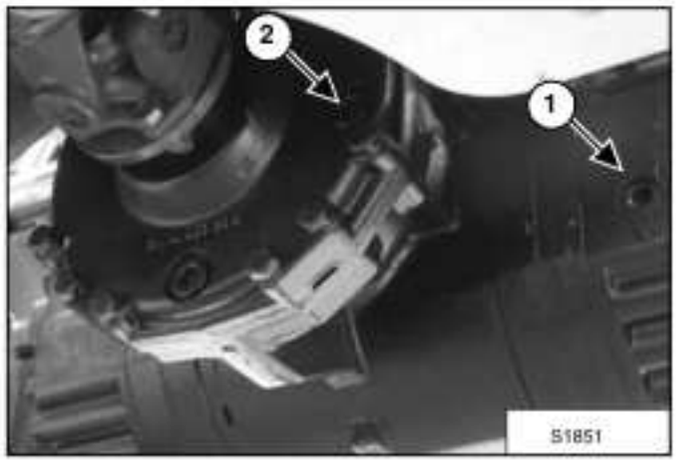


Figure 10-10-111-6



Remove the plugs (item 1) **Figure 10-10-111-5** and (item 1 & 2) **Figure 10-10-111-6**. The oil level should be at the bottom edge of the plug hole.

Add oil through the hole if the oil level is below the hole. (See "Capacities" on page SPEC-10-3 for capacity and type.)

Install and tighten the plug.

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Solenoid Testing

Figure 20-110-13



Use a circuit tester, touch one probe to the prong and the other probe to the other prong **[Figure 20-110-13]**, there must be continuity. If there is no continuity, replace the solenoid.

Assembly

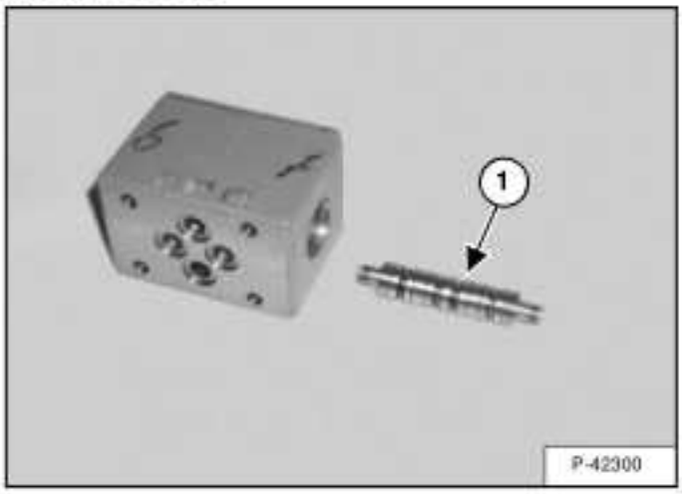
Clean all components with solvent and dry with compressed air.

Check all components for wear or damage. Replace any worn or damaged components.

Always use new O-rings.

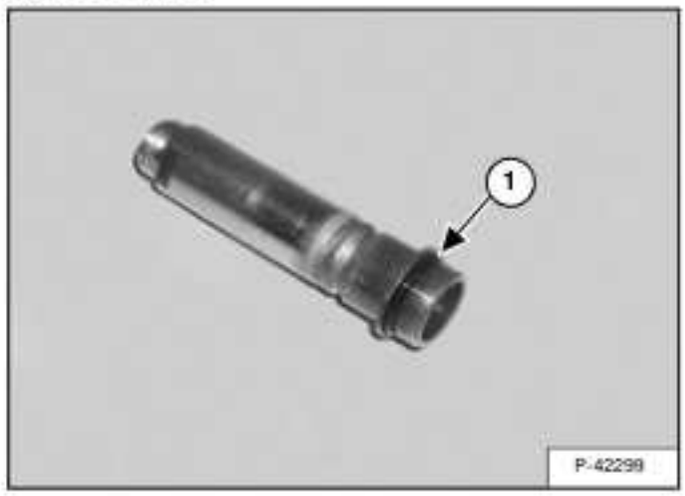
Lightly oil all parts.

Figure 20-110-14



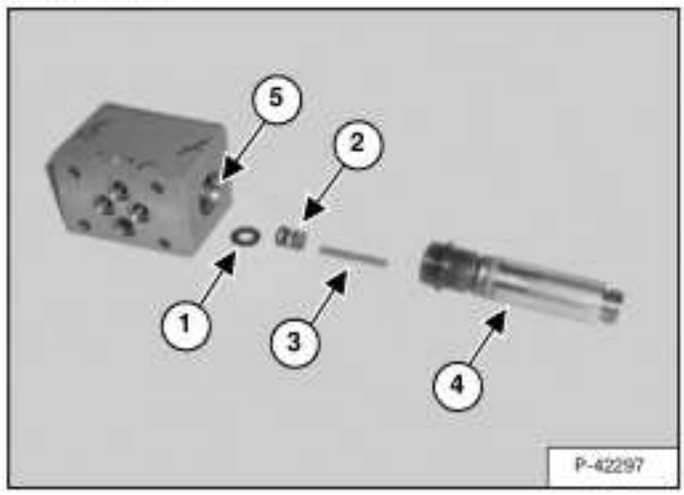
Carefully install the spool (Item 1) **[Figure 20-110-14]**.

Figure 20-110-15



Install a new O-ring (Item 1) **[Figure 20-110-15]** on each shaft.

Figure 20-110-16



Install the spring retainer (Item 1), spring (Item 2), pin (Item 3) and shaft (Item 4) in the housing (Item 5) **[Figure 20-110-16]**. (Both Sides)

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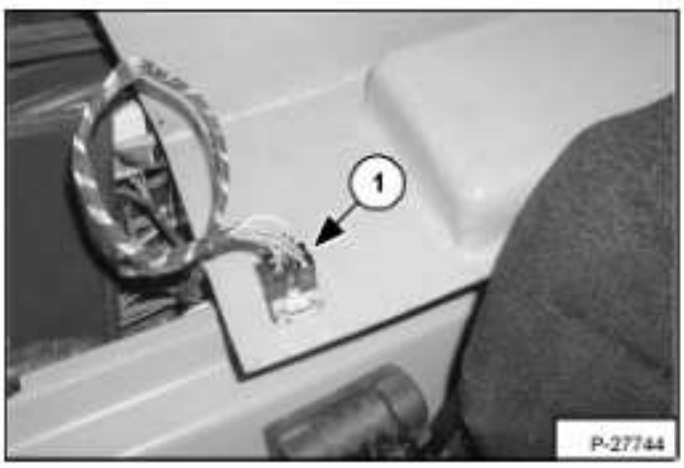
Checking The Electrical System (Cont'd)

Figure 80-50-16



Remove the fuse box cover (Item 1) **[Figure 80-50-16]**.

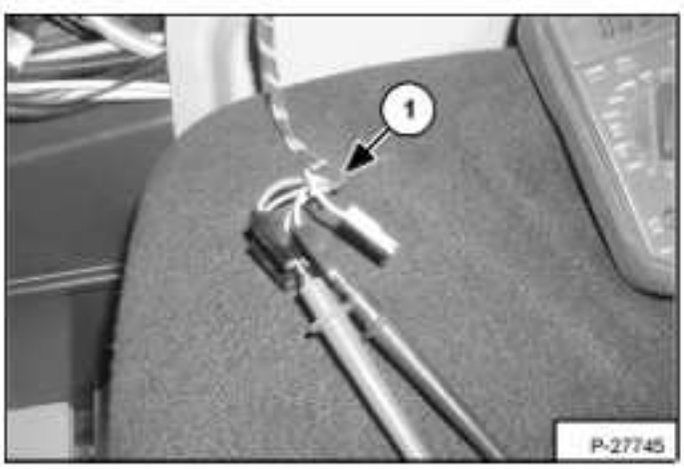
Figure 80-50-17



Disconnect the main wire harness connectors (Item 1) **[Figure 80-50-17]** from the switch.

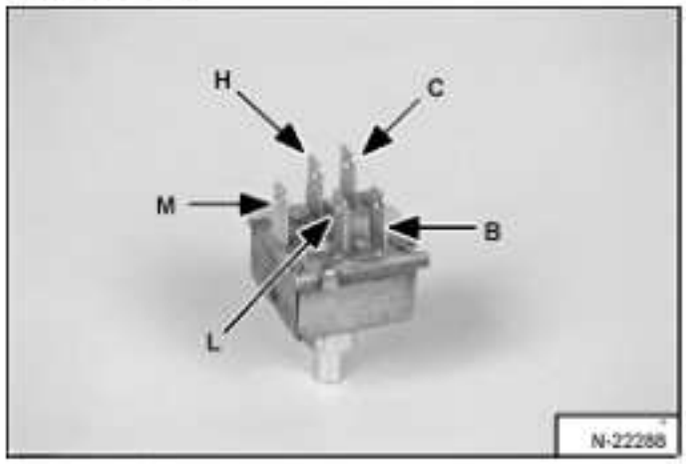
NOTE: Mark the wires for correct assembly.

Figure 80-50-18



Check the main harness (Item 1) **[Figure 80-50-18]** for voltage. The voltage should be 12 volts if there is no voltage check the harness for broken wires.

Figure 80-50-19



If there is voltage at the main harness check the blower fan switch **[Figure 80-50-19]** for resistance.

With the switch in the **OFF** position, there should be zero resistance between all terminals.

With the switch in the **1** position, there should be resistance between **C** terminal and the **B** terminal. And also between the **C** terminal and the **L** terminal frame **[Figure 80-50-19]**.

With the switch in the **2** position, there should be resistance between **C** terminal and the **B** terminal. And also between the **C** terminal and the **M** terminal frame **[Figure 80-50-19]**.

With the switch in the **3** position, there should be resistance between **C** terminal and the **B** terminal. And also between the **C** terminal and the **H** terminal frame **[Figure 80-50-19]**.

If any of the above resistance tests fail, replace the blower fan switch.

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