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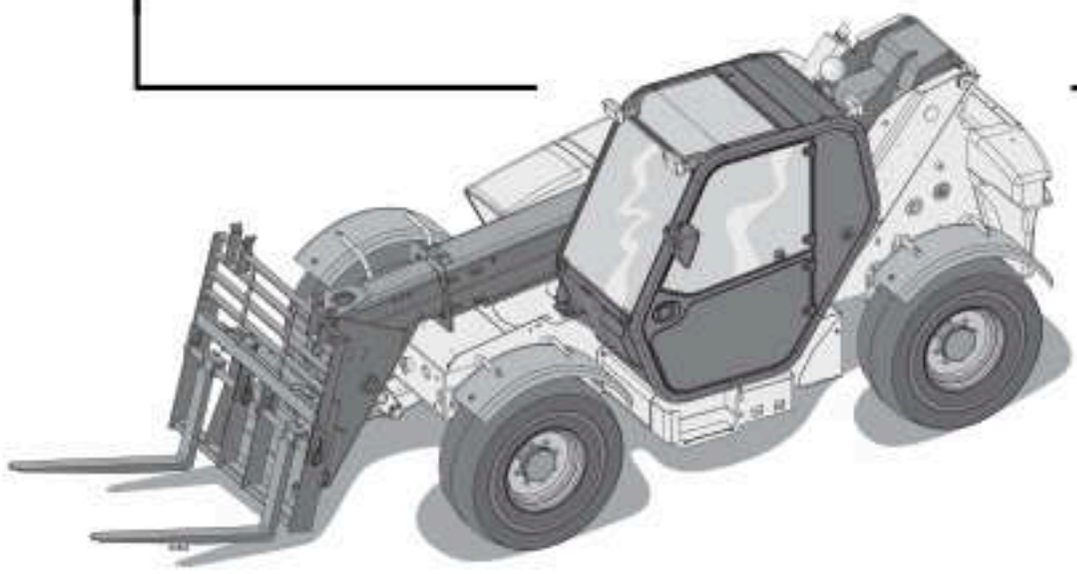
S/N 362811001
& above

T3571L

S/N 362911001
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Bobcat®

SERVICE MANUAL



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Checking Oil Level (Rear Differential)

Figure 10-10-111-3

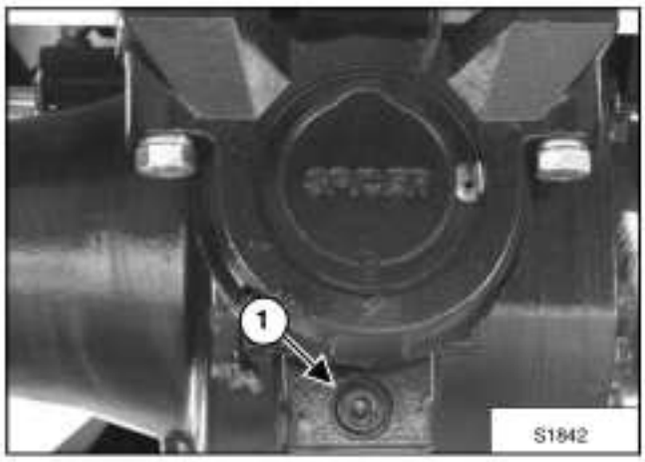


With the machine on a level surface, remove the plug (item 1) **Figure 10-10-111-3**. The oil level should be at the bottom edge of the plug hole.
Add oil through the hole if the oil level is below the hole. (See "Capacities" on page SPEC-10-3 for capacity and type.)
Install and tighten the plug.

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

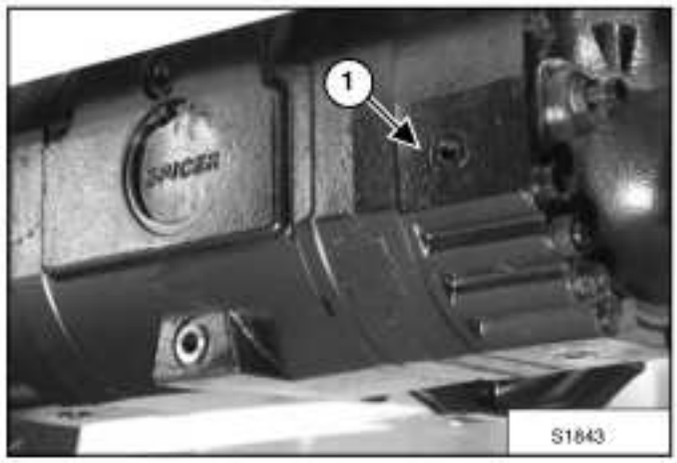
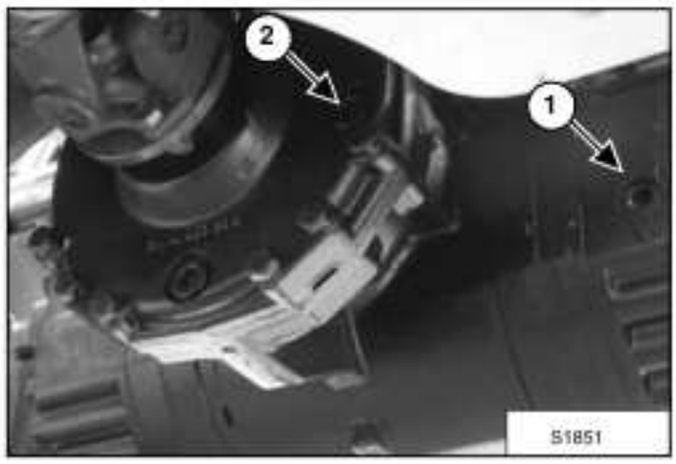


Figure 10-10-111-6



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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TROUBLESHOOTING

Chart

The following Troubleshooting Chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorized Bobcat Service Personnel only.

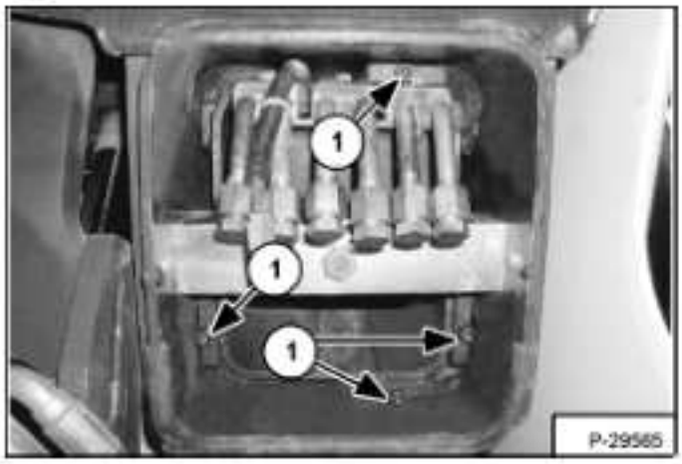
PROBLEM	CAUSE
Pinion or Ring gear tooth broken	1, 2, 3, 4, 5, 6
Pinion teeth pitted	5, 11
Axle housing bent	12, 13
Worn or pitted bearings	3, 5, 6, 8, 11, 14
Oil leakage	6, 9, 10, 14, 15
Excessive wear on input shaft splines	3, 16, 17, 19
Pinion teeth fatigue	7, 12, 17, 19
Side gear spline worn	17, 19
Thrust washer surface worn	5, 6, 7
Inner diameter of tapered roller bearing worn	5, 6, 18, 19
Bent or broken half shaft	19
Half shaft broken at wheel side	20, 21

KEY TO CORRECT THE CAUSE
1. Excessive gear load
2. Incorrect gear adjustment (excessive play)
3. Pinion nut loose
4. Incorrect gear adjustment (insufficient play)
5. Insufficient lubrication
6. Contaminated oil
7. Incorrect lubrication
8. Worn bearings
9. Operation at high temperature
10. Low oil level
11. Excessive use
12. Overloaded
13. Accident
14. Normal Wear
15. Lip seal damaged
16. Pinion axle play
17. Continuous overload
18. Excessive pinion axle play
19. Vehicle intensively operated or overloaded
20. Wheel loose
21. Beam housing bent

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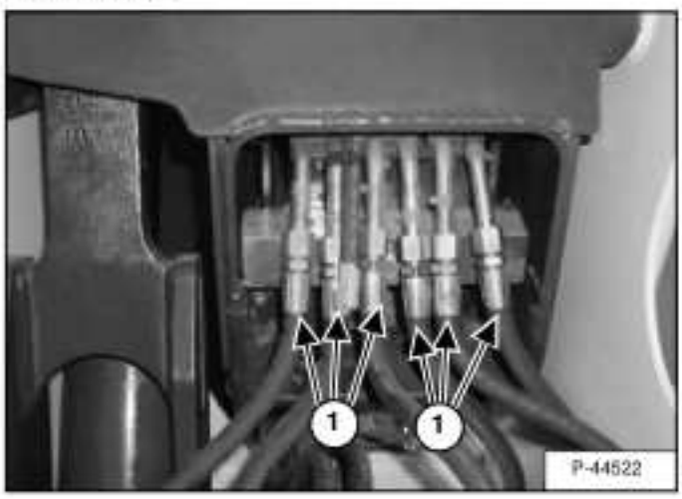
Installation (Cont'd)

Figure 50-60-5



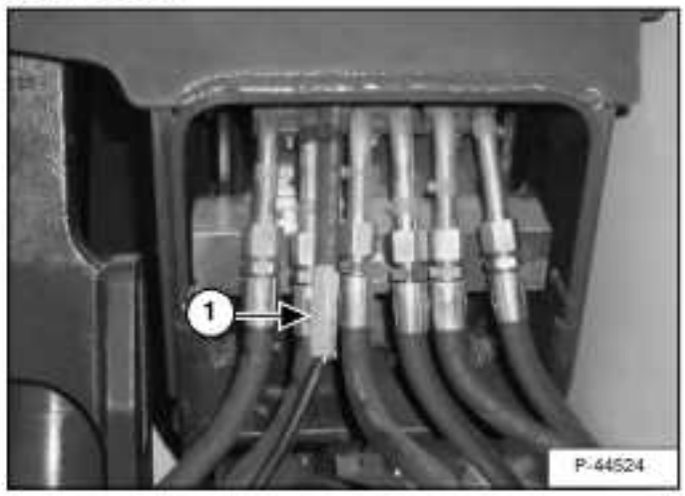
Turn the adjusting bolts (Item 1) **[Figure 50-60-5]** equally, centering the inner boom inside the main boom. Tighten the adjusting bolts to 29 ft.-lbs. (39 Nm) torque.

Figure 50-60-6



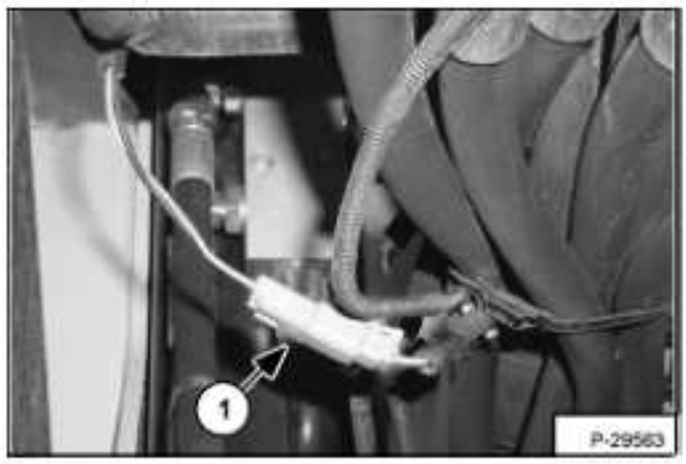
Reconnect the hoses (Item 1) **[Figure 50-60-6]** to the tubelines.

Figure 50-60-7



Connect the secondary auxiliary harness (Item 1) **[Figure 50-60-7]**. (If Equipped)

Figure 50-60-8



Connect the front auxiliary light harness connector (Item 1) **[Figure 50-60-8]**. (If Equipped)

Install the rear cover.

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