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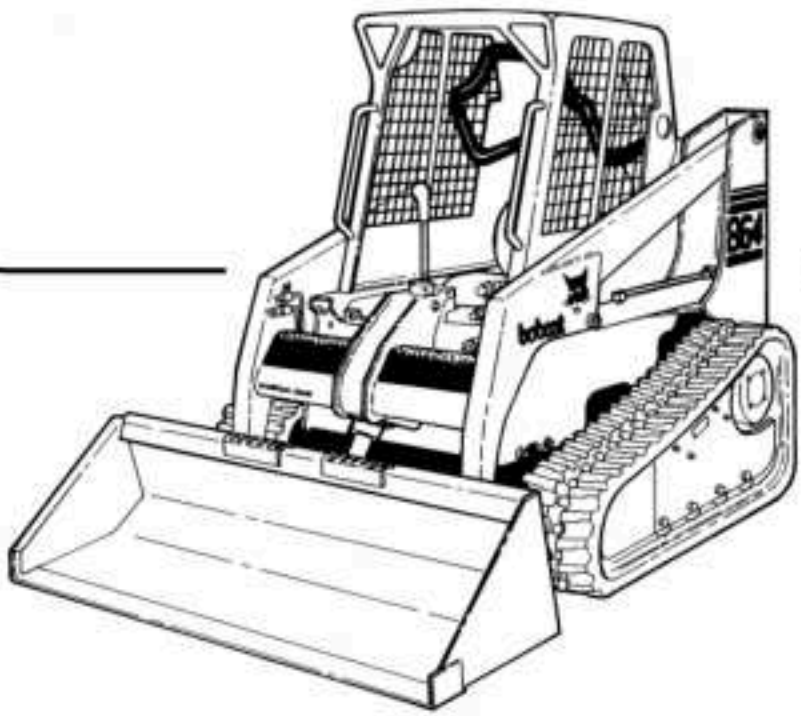
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HIGH FLOW

Bobcat®

Service Manual

S/N 518911001 - 518914999
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EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

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Procedure For Loader With Attachments Control Harness (Cont'd)

Figure 10-60-6

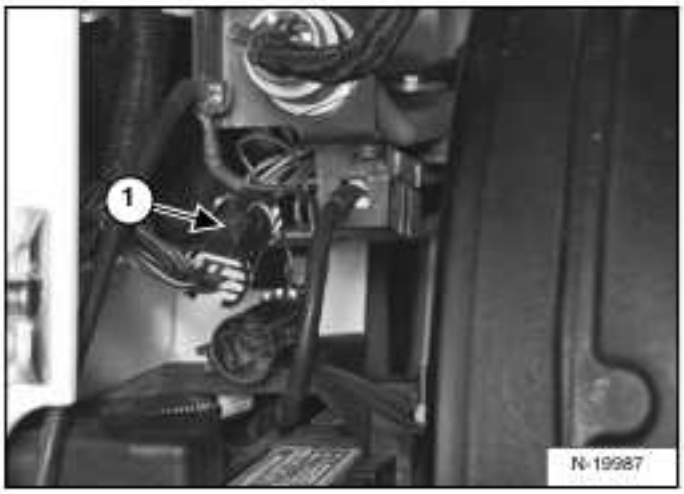
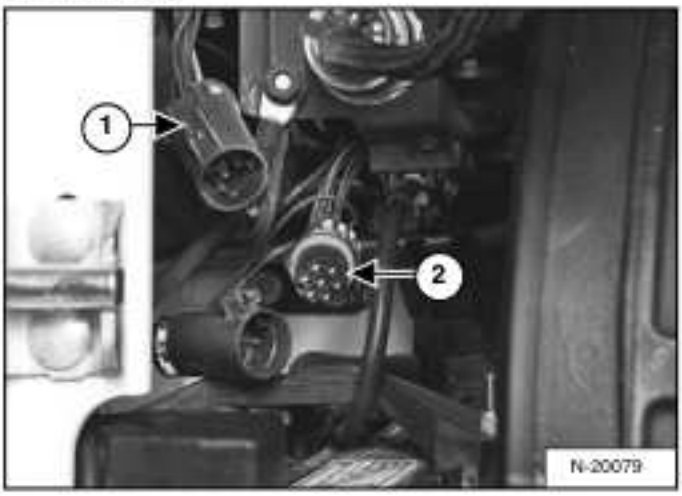
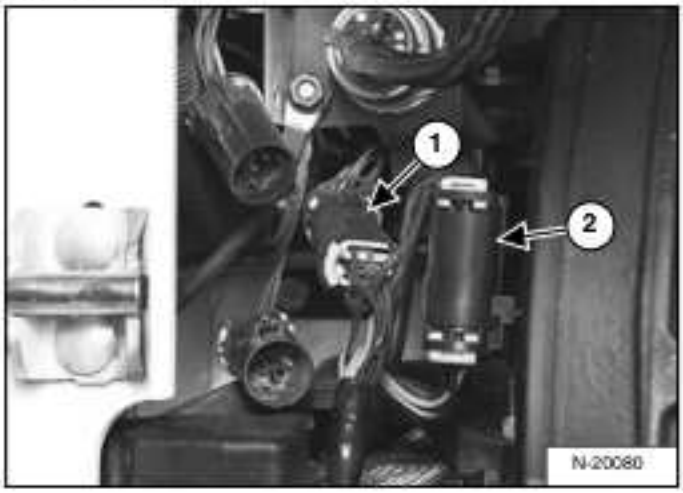


Figure 10-60-7



Disconnect the attachment control harness (Item 1) **[Figure 10-60-6]** & **[Figure 10-60-7]** from the loader harness (Item 2) **[Figure 10-60-7]**.

Figure 10-60-8



Connect the remote start tool (Item 1) **[Figure 10-60-8]** to the loader harness connector (Item 2) **[Figure 10-60-7]**.

The connector (Item 2) **[Figure 10-60-8]** on the remote start harness is not used in the remote start procedure and should remain capped.

NOTE: The key switch on the right-hand side operator panel must be in the off position or the Remote Start Kit will not operate.

⚠ WARNING

AVOID INJURY OR DEATH

With the 7-pin connector plugged into the loader and Remote Start Key Switch in the OFF position, the loader can still be started from the operator panel inside the cab. Placing the key switch of the remote start tool in the run position disconnects the operator panel key switch from the start circuit. If the service technician will be working the engine area it is important to remove the operator panel keys.

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HYDROSTATIC SYSTEM INFORMATION

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.

⚠ WARNING

Check for correct function after adjustments, repairs or service. Failure to make correct repairs or adjustments can cause injury or death.

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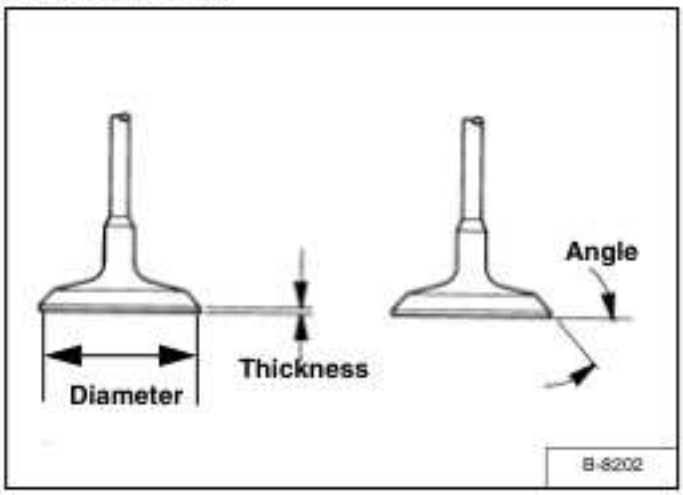
PROBLEM	CAUSE
No drive on one side, in one direction.	1, 2
No drive on one side in both directions.	2, 3, 4, 5
The loader does not move in a straight line.	2, 3, 5, 6, 7
The hydrostatic system is overheating.	8, 9, 10, 11
Service code **HP 2** appears (Warnings, low charge pressure) or the warning light comes ON.	8, 11, 12, 13, 14

KEY TO CORRECT THE CAUSE
1. The hydrostatic pump replenishing valves not seating.
2. The steering linkage needs adjustment.
3. The hydrostatic pump has damage.
4. The final drive chains are broken.
5. The hydrostatic motor has damage.
6. The tires do not have the correct tire pressure.
7. The tires are not the same size.
8. The hydrostatic fluid is not at the correct level.
9. The oil cooler has a restriction.
10. The temperature sending switch is not operating correctly.
11. The loader is not being operated at the correct RPM.
12. The sender is defective.
13. Pump is defective or worn hydrostatics.
14. Hydraulic filter is plugged.

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Valves, Checking (Cont'd)

Figure 70-100-144



Measure the valve rim thickness **[Figure 70-100-144]**.

Specifications:	
Intake Valve	0.055 in. (1,4 mm)
Exhaust Valve	0.05 in. (1,2 mm)

Measure the valve head diameter **[Figure 70-100-144]**.

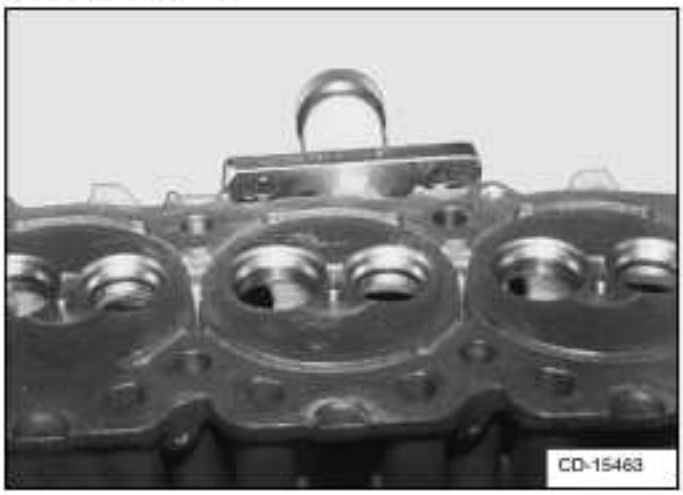
Specifications:	
Intake Valve	1.594 + 0.004 in. (40,5 + 0,1 mm)
Exhaust Valve	1.374 + 0.004 in. (34,9 + 0,01 mm)

Valve seat angle **[Figure 70-100-144]**.

Specifications:	
Intake Valve	30°
Exhaust Valve	45°

Valve Seats, Checking

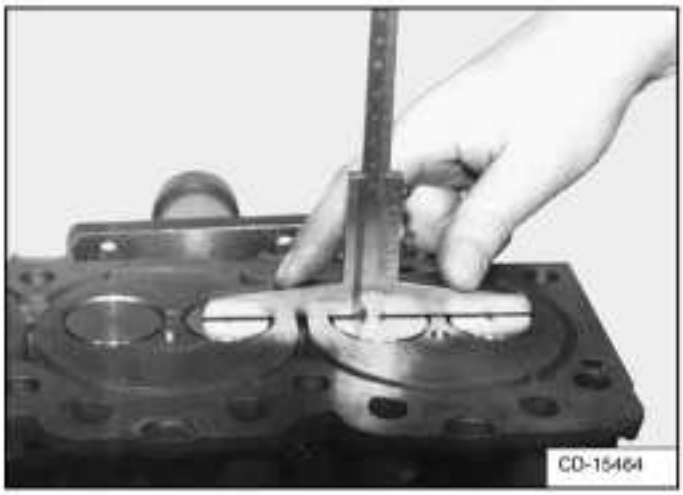
Figure 70-100-145



Measure the valve seat width **[Figure 70-100-145]**.

Specifications:	
Width (Intake)	0.062 ± 0.016 in. (1,58 ± 0,4 mm)
(Exhaust)	0.067 ± 0.016 in. (1,7 ± 0,4 mm)

Figure 70-100-146



Measure the valve clearance between the valve head and cylinder head sealing surface **[Figure 70-100-146]**.

Valve penetration into cylinder head:

Specifications:	
Wear Limit	0.0512 ± 0.0051 in. (1,3 ± 0,13 mm)

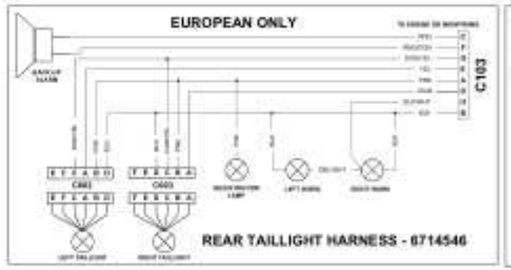
Recondition the valve seats and valve guides if worn.

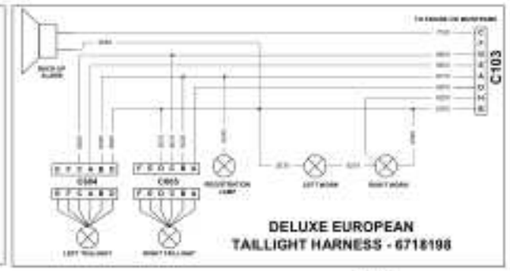
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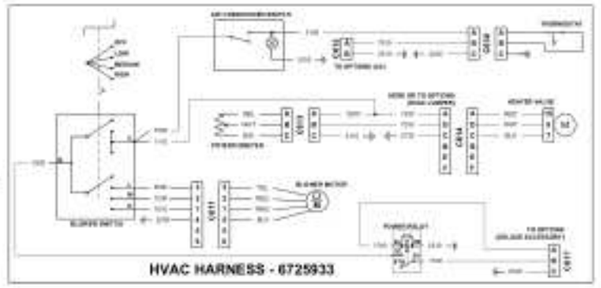
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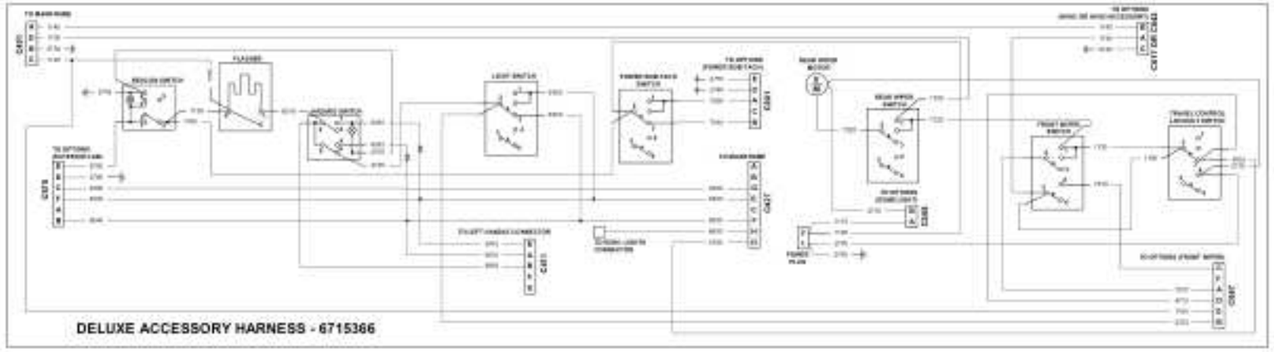
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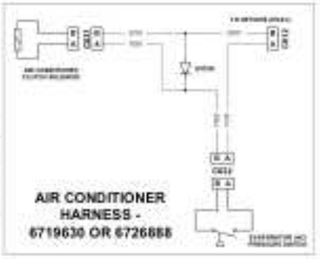


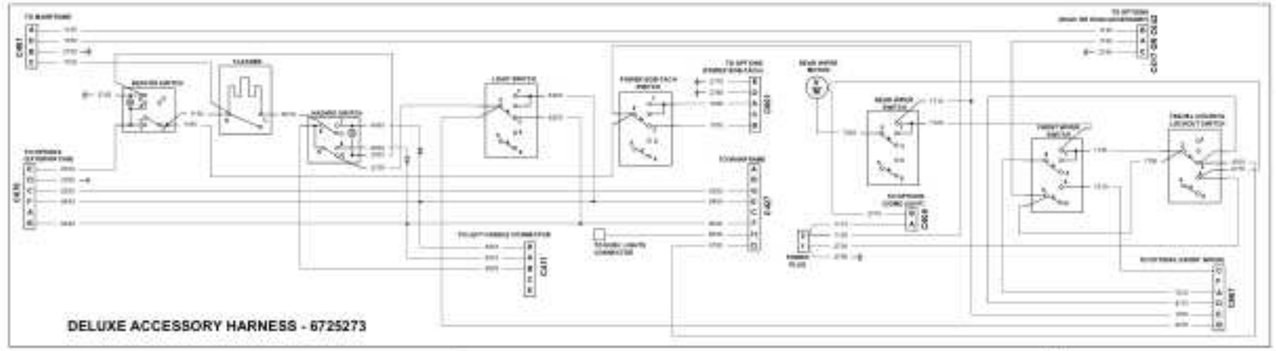


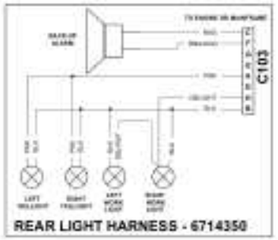




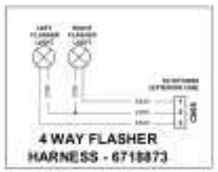




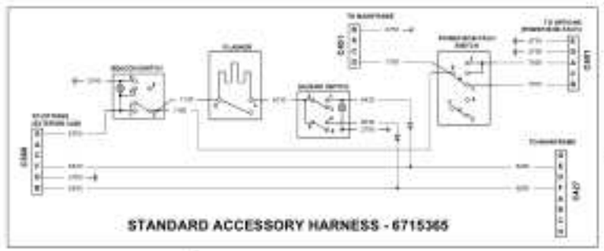


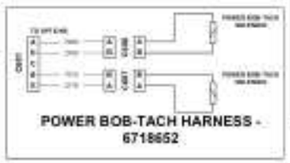


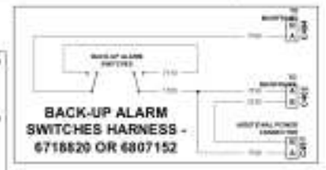




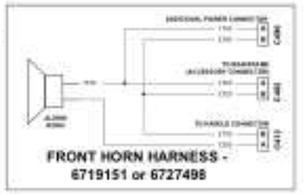


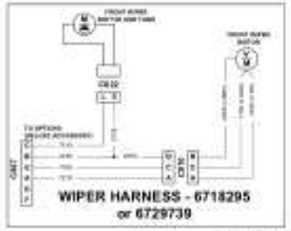


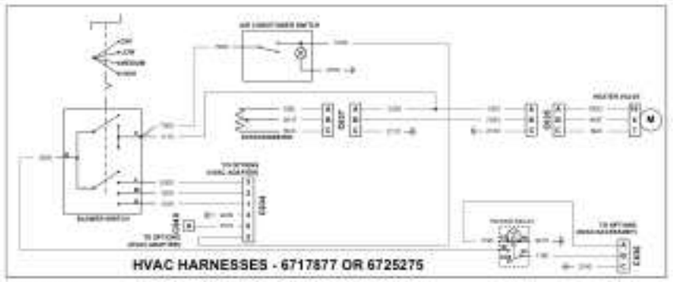


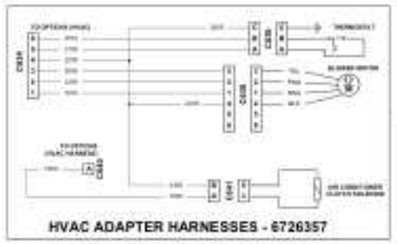




















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