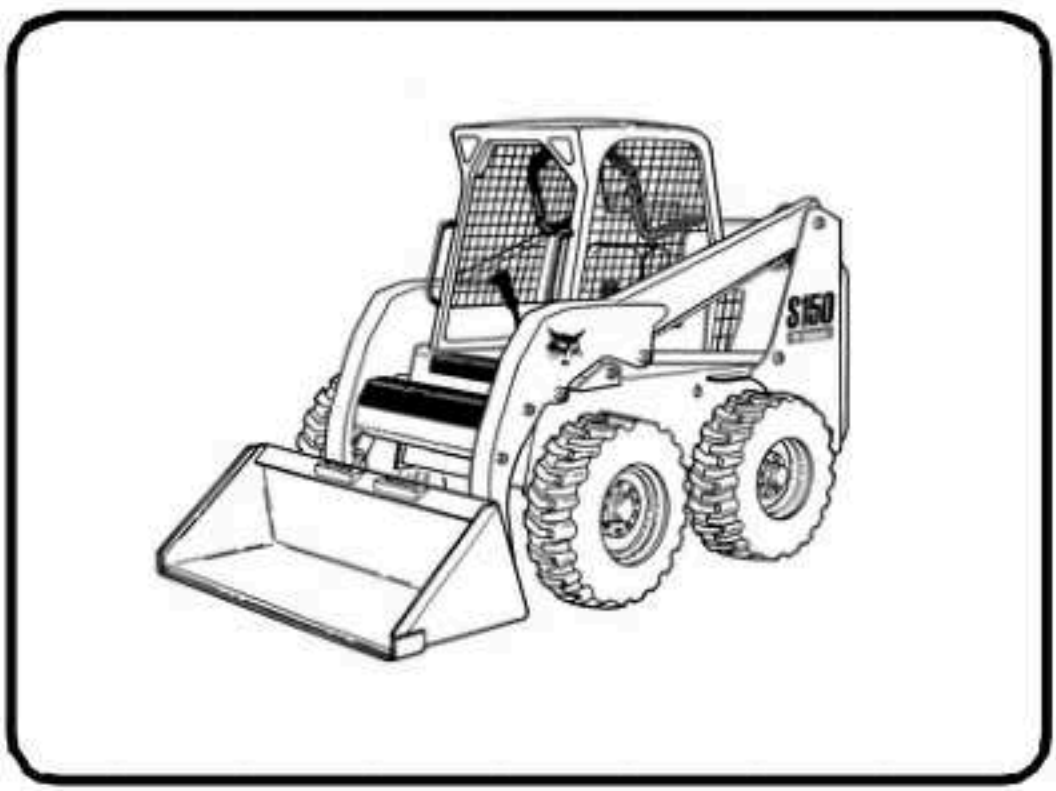
Bobcat®

Service Manual
S150 Skid-Steer Loader

S/N A3L111001 - A3L119999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

6986566 (7-09)

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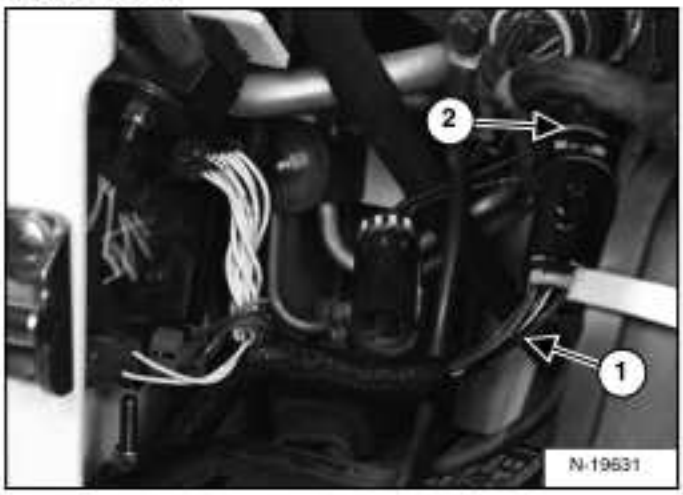
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Service Tool Harness Control - MEL1565 (Cont'd)

Figure 10-60-7



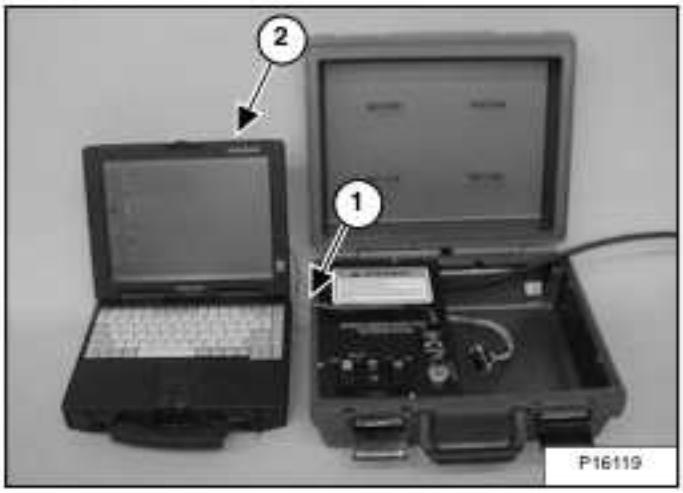
Loaders equipped with an attachment harness (Item 1) **[Figure 10-60-7]** must disconnect the attachment harness from the loader harness (Item 2) **[Figure 10-60-7]**.

Connect the service tool harness to the ACD connector and the loader harness connector.

NOTE: To monitor, diagnose or load new software the Service PC must be connected to the Remote Start Tool Switch.

Service Tool Harness Communicator - MEL1566

Figure 10-60-8



The service tool harness communicator (Item 1) **[Figure 10-60-8]** is required to connect remote start tool to the Service PC (Item 2) **[Figure 10-60-8]**.

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Hydrostatic Pump Calibration (SJC) (Cont'd)

Figure 60-160-20



Press the *PRESS TO OPERATE LOADER* Button (Item 1) **[Figure 60-160-20]** while holding the left joystick in position.

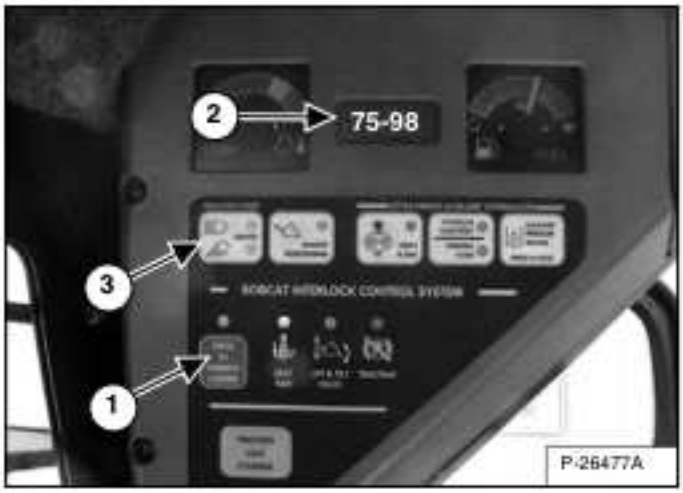
Three audible beeps will sound.

Figure 60-160-21



Allow the left joystick to go to the neutral position **[Figure 60-160-21]**.

Figure 60-160-22



Press the *PRESS TO OPERATE LOADER* Button (Item 1) **[Figure 60-160-22]**.

Three audible beeps will sound and the error code (Item 2) **(75-98)** will be displayed if the operator presses the HOLD FOR CODES (LIGHTS) switch (Item 3) **[Figure 60-160-22]**.

Start the engine from the *RUN, RUN/ENTER* position. **DO NOT TURN TO OFF POSITION.** This would cancel the calibration mode and the procedure would have to be repeated.

Figure 60-160-23

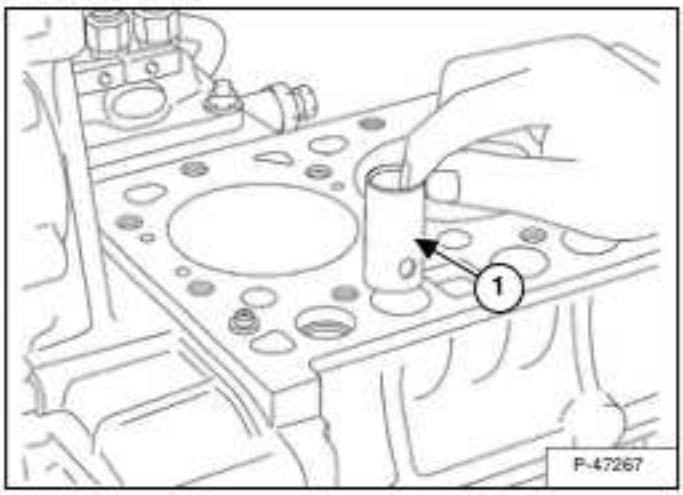


The Control Pattern **ISO** Switch (Item 1) **[Figure 60-160-23]** will stop flashing, and will remain **ON** for the rest of the calibration procedure.

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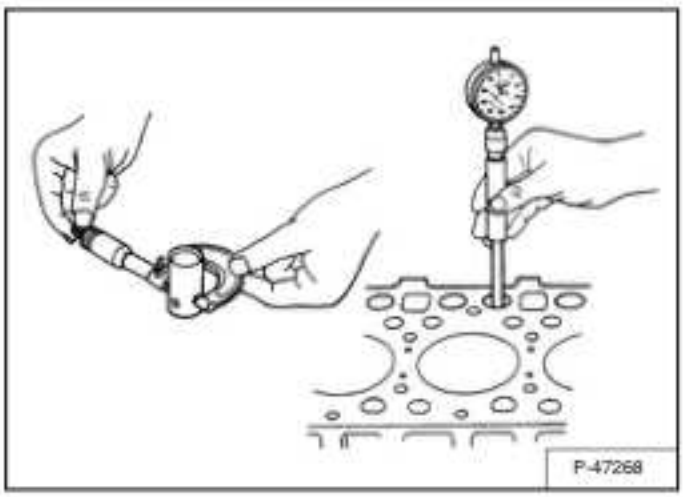
Valve Tappets

Figure 70-80-36



Remove the valve tappets (Item 1) **[Figure 70-80-36]**.

Figure 70-80-37



Measure the O.D. of the tappet **[Figure 70-80-37]**.

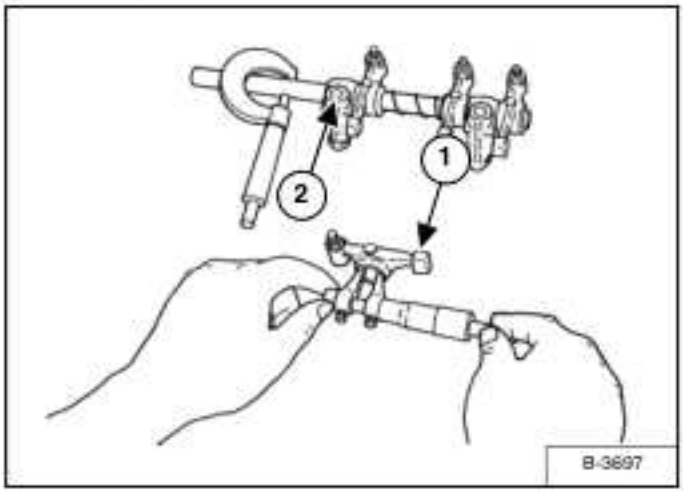
Measure the ID of the tappet bore **[Figure 70-80-37]**.

If the clearance exceeds the allowable limit, replace the tappets.

Tappet OD	0.943 - 0.944 in. (23,96 - 23,98mm)
Tappet Bore ID	0.945 - 0.9457 in. (24 - 24,02 mm)
Clearance Between Tappet and Tappet Bore	0.0008 - 0.0024 in. (0,02 - 0,06 mm)
Allowable limit	0.0028 in. (0,07 mm)

Rocker Arm And Shaft - Checking

Figure 70-80-38



Measure the rocker arm I.D. (Item 1) **[Figure 70-80-38]** with an inside micrometer.

Measure the rocker arm shaft O.D. (Item 2) **[Figure 70-80-38]** with an outside micrometer.

If the clearance exceeds the allowable limit, replace the bushing.

If the clearance still exceeds the allowable limit after the bushing is replace, replace the rocker arm shaft.

Oil Clearance Between Rocker Arm& Shaft	0.0006 - 0.0018 in. (0,02 - 0,05 mm)
Allowable Limit	0.004 in. (0,10 mm)
Rocker Arm Shaft O.D.	0.5501 - 0.5506 in. (13,97 - 13,98 mm)
Rocker Arm I.D.	0.5512 - 0.5519 in. (14,0 - 14,02 mm)

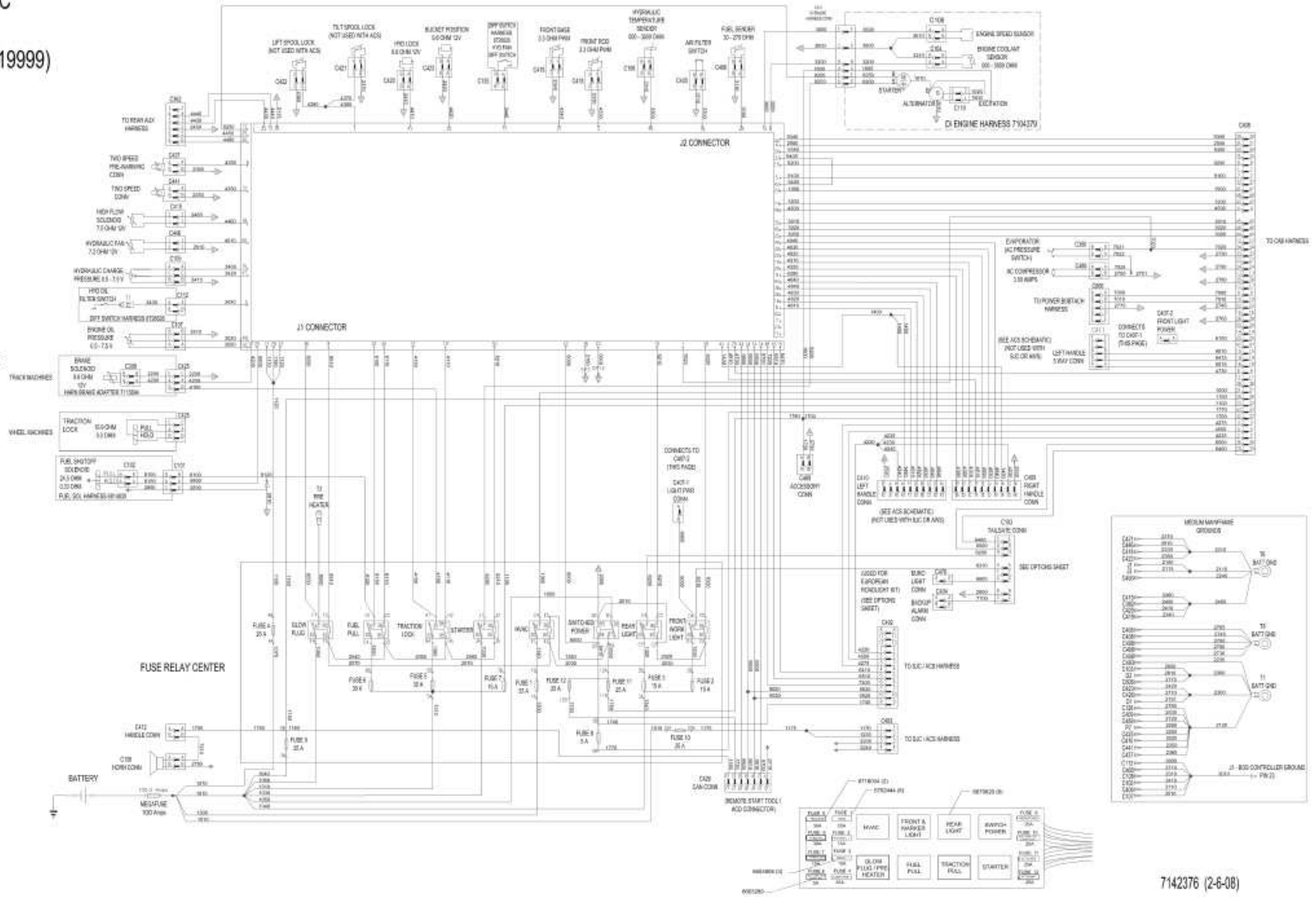
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