SERVICE MANUAL

TELETRUK (VARIABLE REACH TRUCK)
TLT 30D High Lift,
TLT 35D, TLT 35D 4x4

EN - 9813/2500 - ISSUE 4 - 08/2017

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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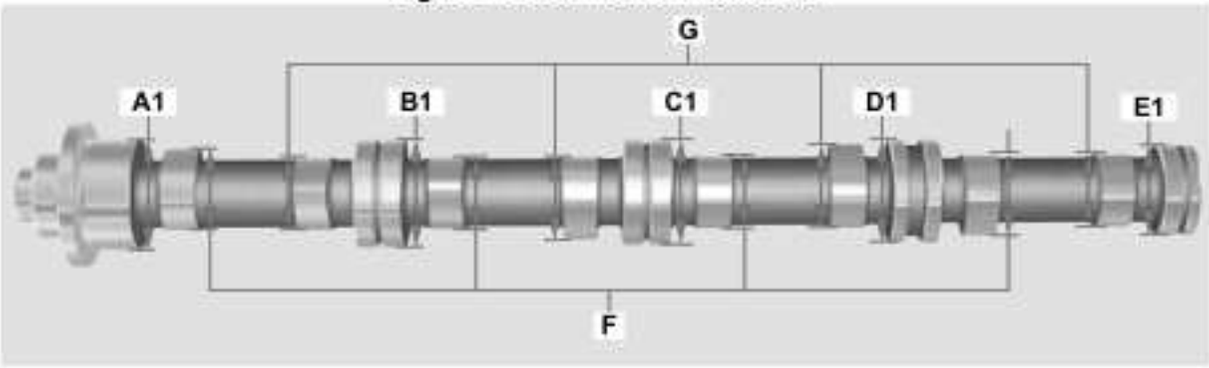
(For: Kohler KDI 2504 TCR)

Table 41. Camshaft Data

Camshaft lobe diameter	
Inlet	32.638mm (1.2850in) - 32.700mm (1.2874in)(1)
Exhaust	32.998mm (1.2991in) - 33.060mm (1.3016in)(1)

(1) If the dimensions of cam lobe are lower than the values shown by 0.1 mm (maximum dimension), replace the camshaft.

Figure 157. Camshaft Dimensions



F Intake lobe diameter **G** Exhaust lobe diameter

Table 42. Housing and Camshaft Journal Dimensions

Item	Dimensions	Clearance	Wear Limit
A	44.000mm - 44.025mm	A-A1 = 0.040mm - 0.085mm	0.120mm
A1	43.940mm - 43.960mm		
B	43.000mm - 43.025mm	B-B1 = 0.060mm - 0.105mm	
B1	42.920mm - 42.940mm		
C	42.000mm - 42.025mm	C-C1 = 0.060mm - 0.105mm	
C1	41.920mm - 41.940mm		
D	41.000mm - 41.025mm	D-D1 = 0.060mm - 0.105mm	
D1	40.920mm - 40.940mm		
E	36.000mm - 36.025mm	E-E1 = 0.060mm - 0.105mm	
E1	35.920mm - 35.940mm		

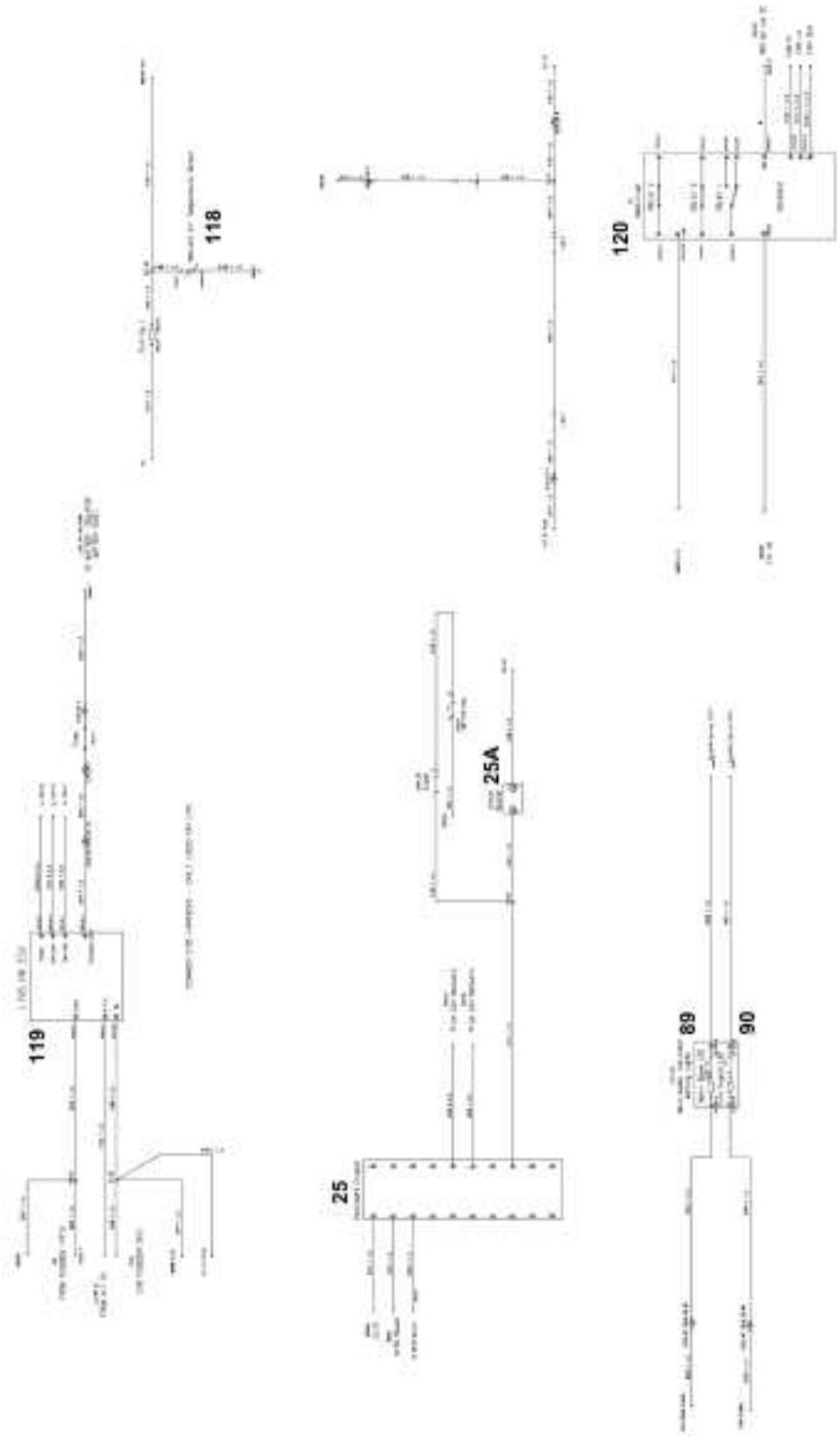
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Table 155. Boom judders when used while machine is moving

Cause	Remedy
Loader pump flow low	Check flow rate
Restriction in neutral circuit lines	Check hoses and pipes, replace as necessary
Service pipe lines leaking, damaged, trapped or kinked	Check hoses and pipes, replace as required

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Figure 681. 333-U5094 Sheet 8 of 9 - Instrumentation



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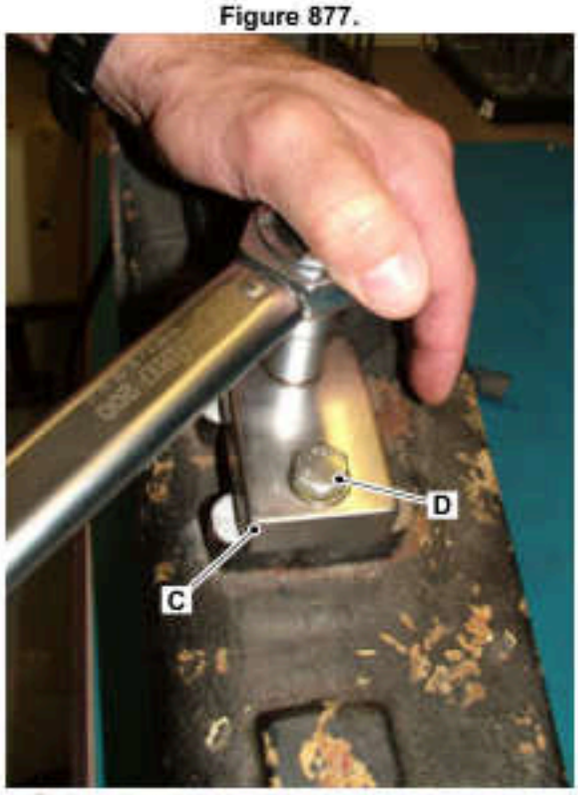
Figure 876.



C Load sensor

4. Carefully position the load sensor on the rear axle mounting surface.
   4.1. The load sensor should be installed on the rear axle immediately.
   4.2. Do not put the load sensor down where it can pick up debris on the adhesive surface.
5. Install the bolts (x2) and finger tighten only.
6. Immediately tighten one of the bolts to the correct torque value.

Figure 877.

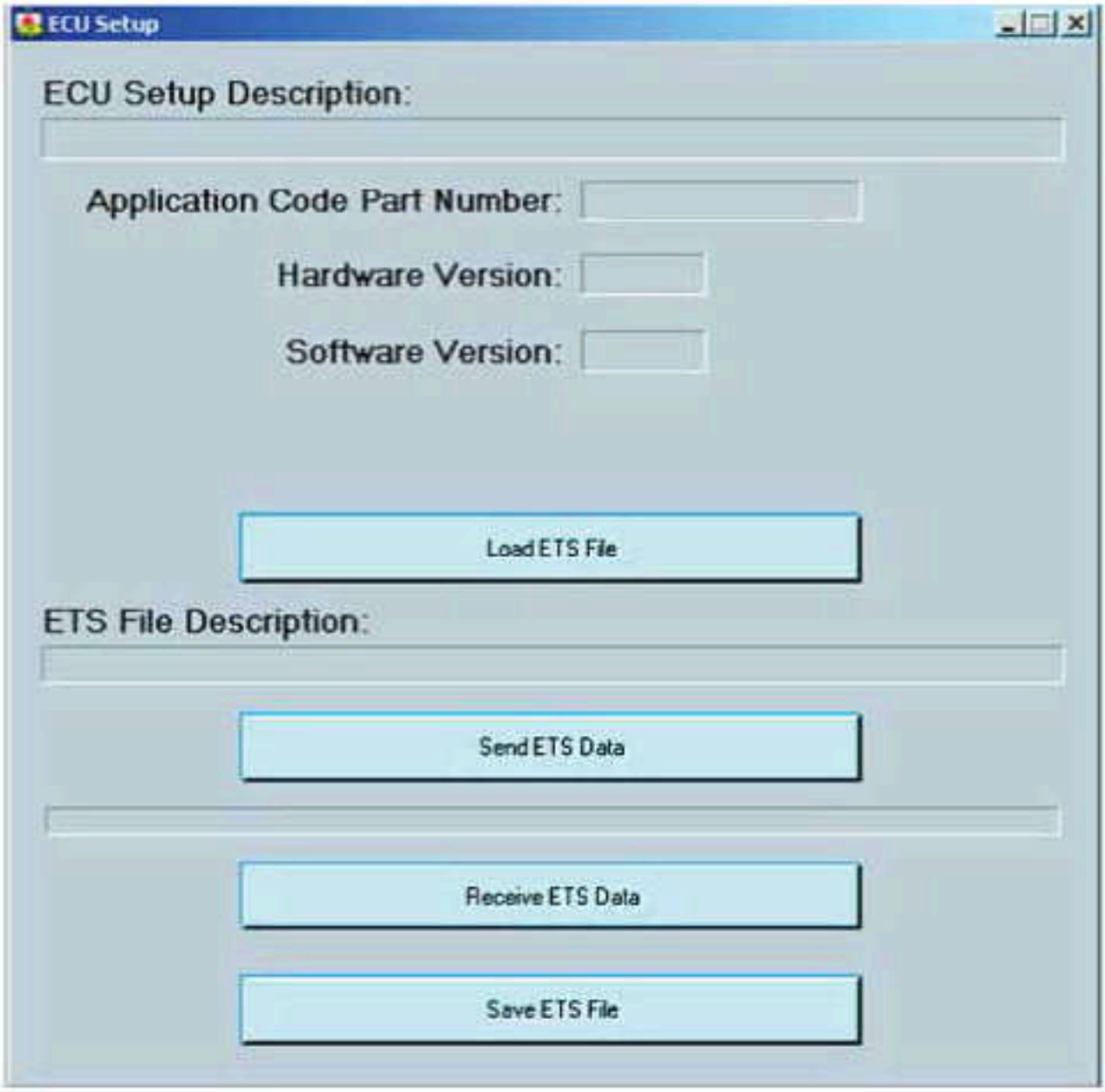


C Load sensor
D Bolt

7. Tighten the second bolt to the correct torque value.
   7.1. Do not tighten the bolts incrementally.
8. Immediately check the load sensor output as follows:
   8.1. Connect the load sensor to the installation test box.

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Figure 776.



ETS Function

The ETS function provides a means of loading and uploading gearbox ECU software setup files between the ECU and the computer. On earlier versions of servicemaster a separate program was required to perform this function. This is now incorporated within shiftmaster diagnostics 2.3. The setup files have a file name extension of.ets.

- Load ETS File: A revision to the gearbox ECU software file may be supplied by JCB for installation on particular ECU models. Store the file on the computer which is to be connected to the gearbox ECU. The shiftmaster diagnostic program needs to open this file and obtain the software version and other applicable information to make sure it is compatible with the ECU connected to the computer.
- Send ETS Data: This allows the computer to send a software setup file to the gearbox ECU.
- Receive ETS Data: This reads the existing setup file from the gearbox ECU.
- Save ETS File: This saves the data received from the ECU onto the computer.

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