SERVICE MANUAL

TELETRUK (VARIABLE REACH TRUCK)
TLT 25G, TLT 30G

EN - 9813/8800 - ISSUE 2 - 09/2017

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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Fault-Finding

Fault

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Table 9. The engine will not start easily. The vapouriser is freezing

Cause	Remedy
Low Coolant Level.	Check coolant level at radiator and expansion tank. Fill to the correct level. Refer to (PIL 21-00).
Water hoses restricted.	Make sure there is adequate water flow to vapouriser. Renew the hoses.
Air lock in coolant line to the vapouriser.	Remove the air from coolant line.
Loose or broken water pump belt.	Adjust the drive belt tension. install new drive belt.
Hose from vapouriser to carburettor leaking.	Find and repair the leak. Install new hose.
Thermostat not operating correctly.	Install new thermostat. Refer to (PIL 21-12).
Ignition system not functioning correctly. Starter damaged.	Replace the starter. Refer to (PIL 15-75).
Idle mixture screw not adjusted correctly.	Adjust the idle mixture screw. Refer to (PIL 18-60).
Fuel valve in carburettor damaged.	Install new fuel valve. Overhaul the carburettor. Install new carburettor. Refer to (PIL 18-60).
Air filter dirty.	Check air restriction indicator. Clean or install new filter element. Refer to (PIL 18-09).
Balance line disconnected.	Connect the balance line.
Accelerating too soon after engine is started	Allow longer warm up time before starting operation.

Table 10. Engine idle speed is too high

Cause	Remedy
Idle mixture screw not adjusted correctly.	Adjust the idle mixture screw. Refer to (PIL 18-60).
Idle speed screw loose.	Tighten the screw and adjust idle speed.
Idle speed not adjusted correctly.	Adjust the idle speed.

Table 11. Engine does not run smoothly

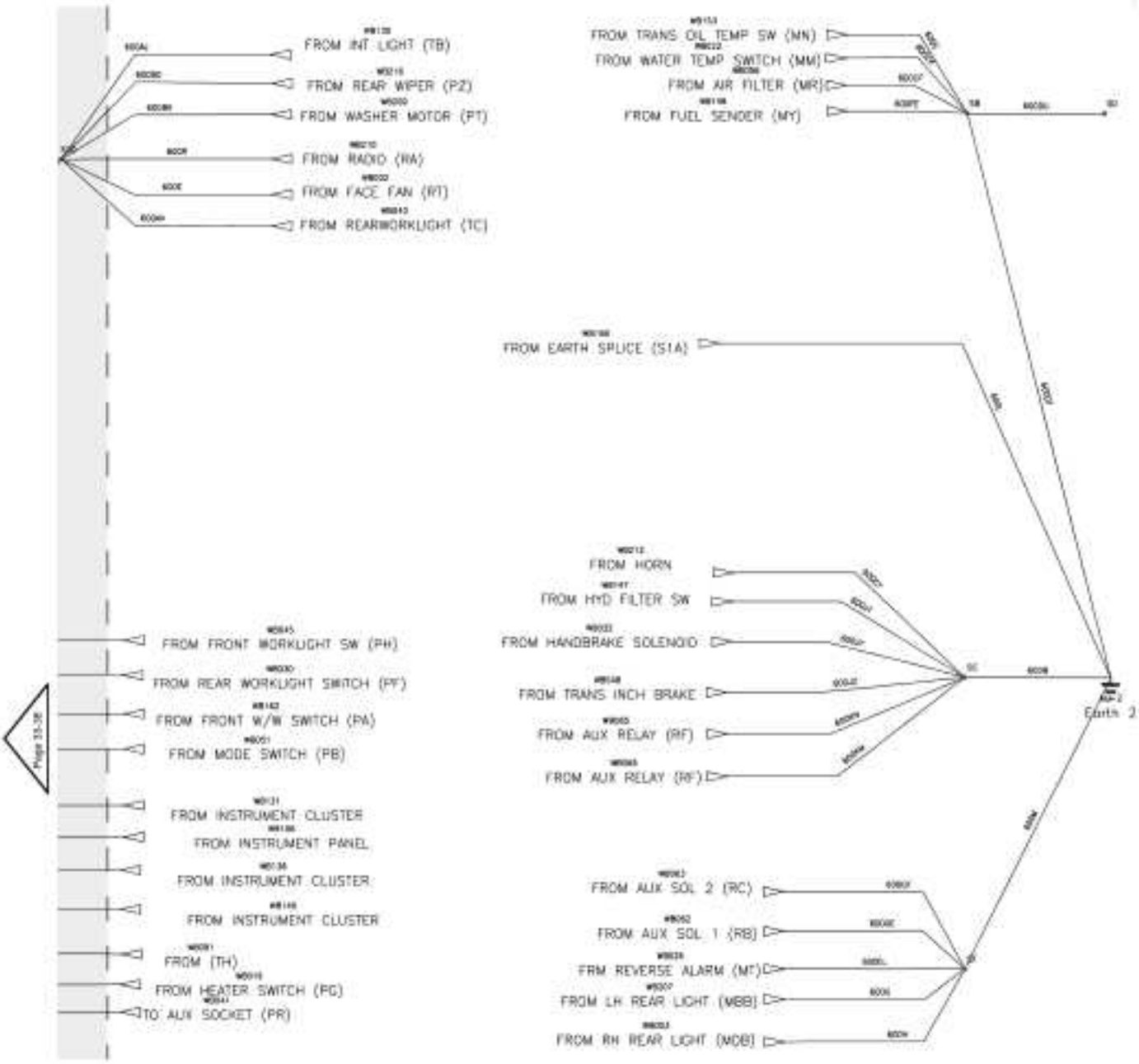
Cause	Remedy
Governor damaged.	Install new governor.
Low pressure diaphragm or valve in vapouriser damaged.	Repair or install new vapouriser. Refer to (PIL 18-66).
Wrong or damaged fuel valve in carburettor.	Repair or install new carburettor. Refer to (PIL 18-60).
Power Valve (mixture screw) restricted.	Remove the restriction. Install new power valve.
Air leaks in the intake manifold.	Repair the leaks.
Balance line restricted.	Remove the restriction.

Table 12. Engine does not idle smoothly

Cause	Remedy
Idle mixture screw not adjusted correctly.	Adjust the idle mixture screw. Refer to (PIL 18-60).
Diaphragm in carburettor damaged.	Install new diaphragm or carburettor. Refer to (PIL 18-60).
Air leak between carburettor and governor or between governor and intake manifold.	Repair the air leak.

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Figure 262. (Part 2 of 2)



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Technical Data

Table 157. Adhesives Approved Product Information

Subsection	Commercial name	Product Number	Colour	Shelf life	Technical data	Comments
High strength	Permabond 5002	4103/3100	Mixed grey	730d	3–5min for handling strength	Two part adhesive mixed in equal parts. A toughened adhesive system which bonds metals, plastics, wood, glass, ceramics and composites; even plated or coated surfaces can be securely fastened.
High strength	Loctite 601	4103/1000	Green fluorescent	365d	16–30bar (231.9–434.8psi) static shear strength	This product is a single component anaerobic adhesive. Used to bond cylindrical fitting parts, particularly where low viscosity is required. Maximum gap fill is 0.15mm.
Cyanoacrylate	Loctite 424	4103/3500	Colourless to straw	-	18–26bar (260.9–376.8psi) shear strength	Suitable for most materials including plastic and rubber. Takes 30s to cure to working strength.
Cyanoacrylate	Loctite 401	4103/2300	Colourless	180d	18–26bar (260.9–376.8psi) tensile strength	Designed for general purpose use. For use on acidic and porous surfaces, reaching handling strength in seconds. Materials include plated metals, composite materials, wood, cork, foam, leather and paper.
Cyanoacrylate	Loctite 406	332/U7899	Colourless	180d	18–26bar (260.9–376.8psi) lap shear strength	Designed for bonding of plastics and elastomeric materials where very fast fixturing is required. Can be used with Loctite 770 as a primer (332/U7901)
Cyanoacrylate	Loctite 410	4103/2400	Black	120d	22bar (318.8psi) lap shear strength	0.2mm, gap fill. A rubber toughened ethyl cyanoacrylate adhesive with enhanced resistance to peel and shock. Bonds rubber, metals and plastics for use in difficult conditions.
Cyanoacrylate	Loctite 480	4103/3800	Black	-	22–30bar (318.8–434.8psi) lap shear strength	A rubber toughened adhesive with increased flexibility and peel strength along with enhanced resistance to shock.
Cyanoacrylate	Loctite 495 Permabond C2	4103/0900	Colourless	270d	12h maximum cure time	High speed bonding, suitable for rubber to itself and other materials reaching handling strength in a matter of seconds. Joint must be waterproofed with Loctite water proofing (4104/0500).
Low strength	Dunlop 1727 British vita company VB 165	4103/1100	Clear to light straw	90d	-	Sprayable adhesive, non-structural applications. For the bonding of flexible foam to themselves, wood, painted metal, chipboard, fibreglass, hessian, felt etc.
Acrylic foam strip adhesive	3M 4941P	4103/3900	Dark grey	730d	Peel adhesion 350N/100mm	High bond acrylic double sided foam tape. Its allows more complete bond contact area when bonding rigid or irregular materials due to its conformability. Its core adhesive composition makes the product well suited to many paints and primers.

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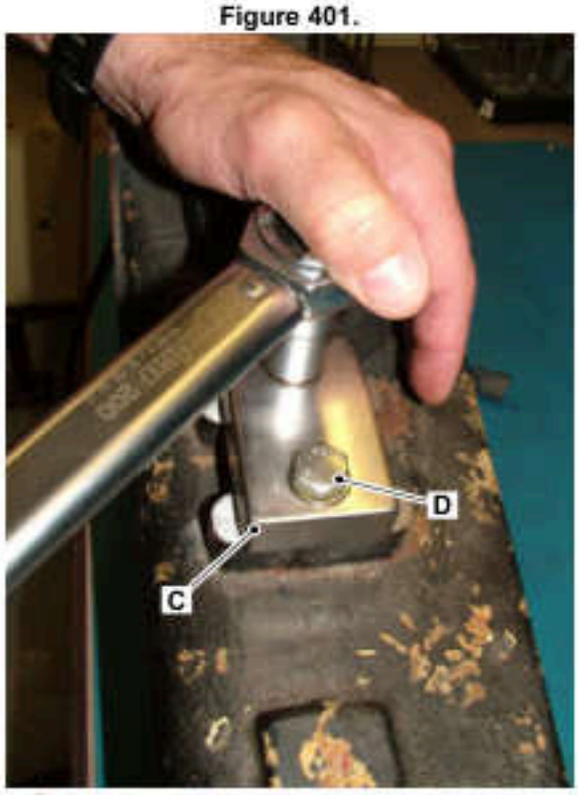
Figure 400.



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 401.

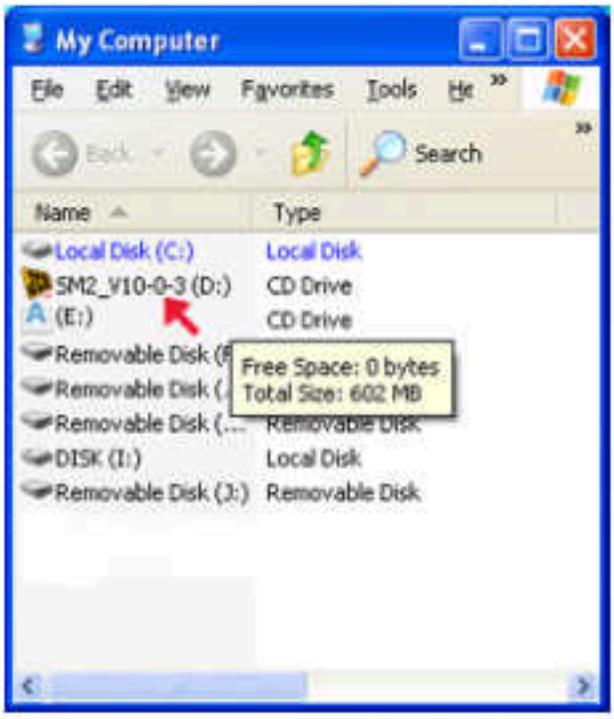


C Load sensor
D Bolt

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 338.



4. Select and open the "Setup.exe" application.
5. A new window "JCB Servicemaster Setup" will appear on the screen.
   5.1. Click the "Install V10.0.3" option to start the setup application. Refer to Figure 339.

Figure 339.



6. A new window "Select Setup Language" will appear on the screen. Refer to Figure 340.
   6.1. Use the drop down option to select the suitable language.
   6.2. Click the "OK" option to confirm selected language.

Figure 340.



7. A warning message window will appear on the screen. Refer to Figure 341.
   7.1. Click the "OK" option.

Figure 341.



8. A new window "JCB Servicemaster Installation Wizard" will appear on the screen. Refer to Figure 342.
   8.1. Click the "Next" option to proceed.

Figure 342.



9. Put "User Name" and "Organization" details into the "Customer Registration" screen. Refer to Figure 343.
   9.1. Click the "Next" option when you inserted details.

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