SERVICE MANUAL

DUMPER
1T-1 High Tip

EN - 9813/8850 - ISSUE 1 - 07/2018

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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01 - Machine

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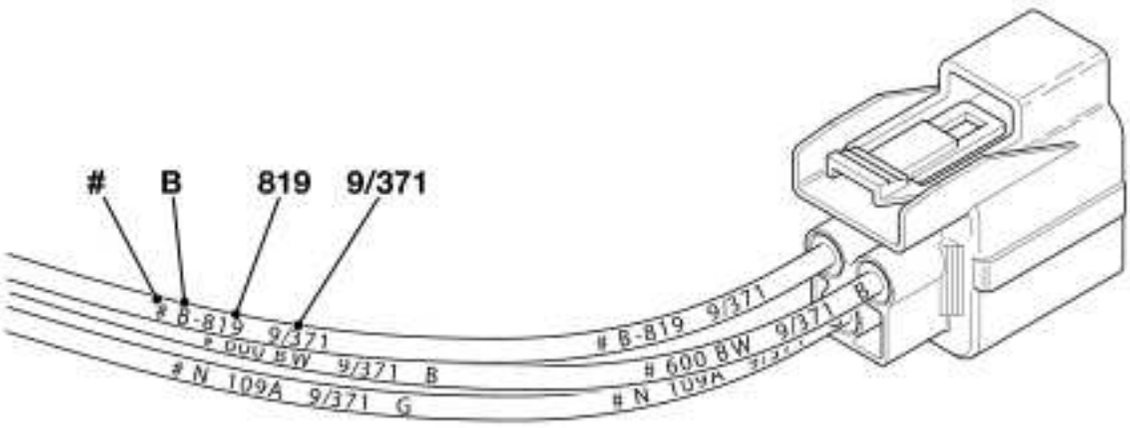
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Component Identification

Wire and Harness Number Identification

This section details the allocation of wire numbers and the identification of wires in the wiring harness.

Figure 409.



The illustration shows a typical connector and wires. Each wire has an individual identification number permanently marked on it, at regular intervals along it's length. The number stamped on the wire identifies the following:

Table 105. Wire and Harness Number Identification

Identification Number	Description
#	The # indicates the start of the identification number. It is always printed to the left of the identification number.
B	If applicable - The colour of the flying lead that the harness wire should mate with. For instance, if wire 819 from harness 719/37100 mated with a flying lead coloured black (colour code B) then the number printed on the wire would be B-819 9/371.
819	The wire's unique identification number. The wire functions and numbers allocated to them are consistent through out the JCB range of products. Refer to Wire Numbers and Functions.
9/371	If applicable - The part number of the harness that the wire originates from. If the harness part number is 719/37100, the number printed on the harness wires will be 9/371 (71 and 00 are common numbers and therefore deleted).

Wire Numbers and Functions

Table 106. Wires 000-199, 1000-1999 (These numbers are reserved for ignition feeds, heater start circuits and start circuits)

Wire Number	Description
Wires 000 - 099	Unfused ignition feeds
Wires 100 - 199 and 1000 -1999	Fused ignition feeds (feeds via ignition relays are also classed as ignition feeds). Power supplies output by a control module.

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Technical Data

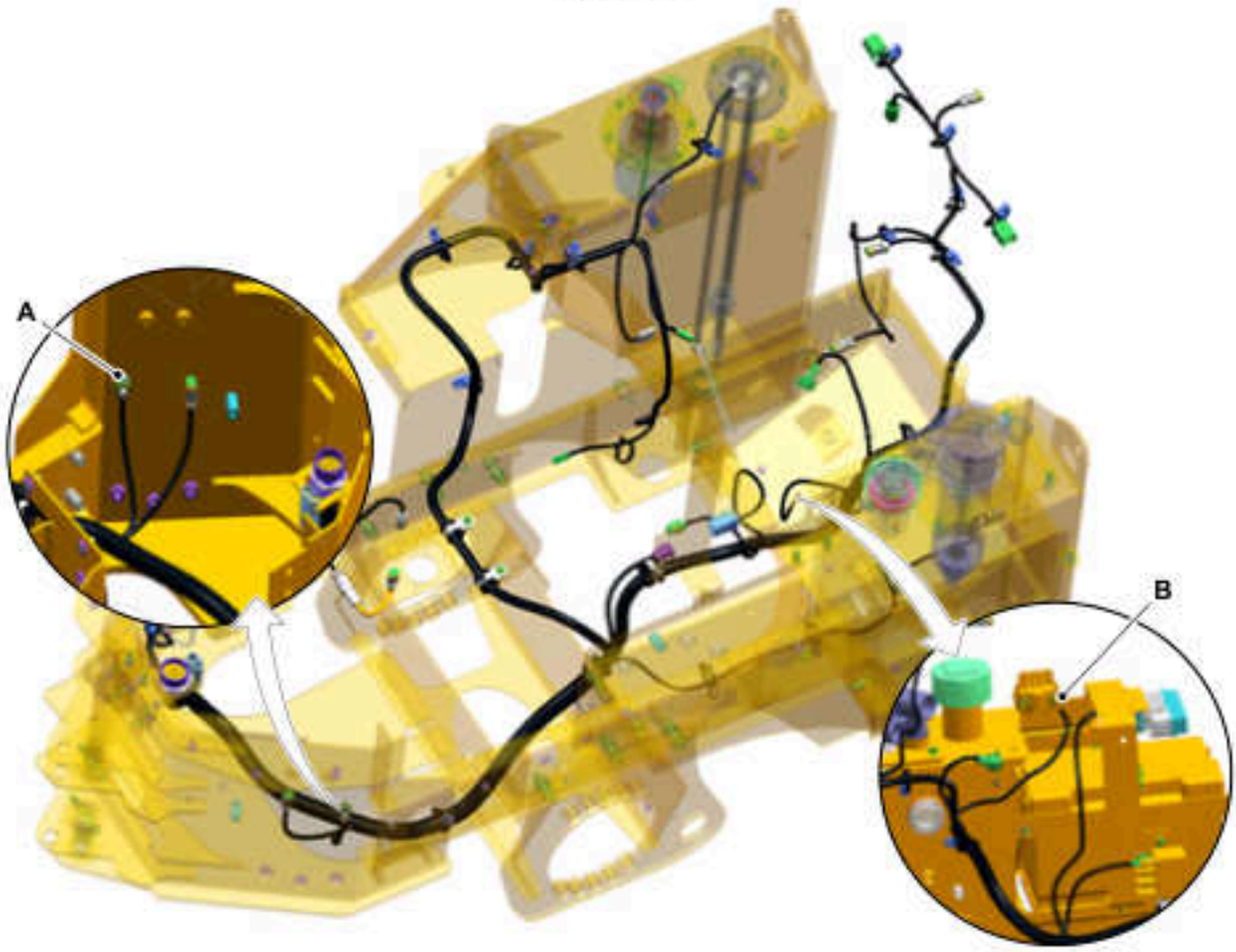
Table 149.

System	Temperature	Viscosity	Specification	Capacity	Notes
Engine D905-E, 3 cylinder	0 –25 °C (32.0 – 77.0 °F)	SAE (Society of Automotive Engineers) 10W-30 or SAE 10W-40	EMA DHD-1 or CH-4 API CH-4 ACEA E3 or E5	7 L	If sulphur content in fuel is above 0.2% of mass (2000ppm), change oil and filter every 250 h)

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Component Identification

Figure 396.



A Rear chassis earth point - Rear (T-RC001)

B Livelink earth point (T_RC002)

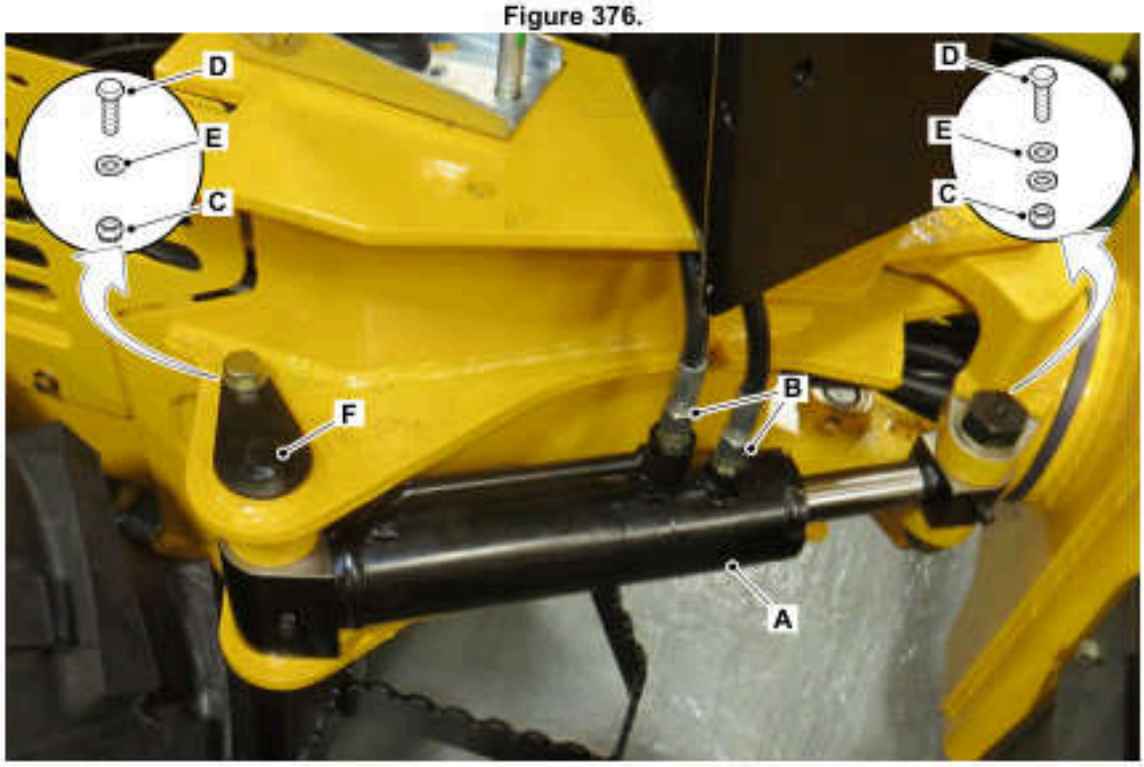
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Remove and Install

Remove

1. Make the machine safe.
   Refer to: PIL 01-03-27.
2. Isolate the battery.
   Refer to: PIL 33-03-03.
3. Install the articulation strut.
   Refer to: PIL 06-27-15.
4. Remove the hoses from the steering ram.
5. Put a label on the hoses to help installation.
6. Plug all the open ports and hoses to prevent contamination.
7. Remove the nuts (x2), bolts (x2) and the washers (x3).
8. Remove the pivot pin.
9. Remove the steering ram.

Figure 376.



A Steering ram
B Hoses
C Nut (x2)
D Bolt (x2)
E Washer (x3)
F Pivot pin

Install

1. The installation procedure is the opposite of the removal procedure. Additionally do the following steps.
2. Align the steering column splines to the steer unit.
3. Tighten the nuts to the correct torque value.

Table 92. Torque Values

Item	Description	Nm
C	Nut	230

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