SERVICE MANUAL

T5.100 Electro Command
T5.110 Electro Command
T5.120 Electro Command

Tractor

Part number 48038307
English
October 2017

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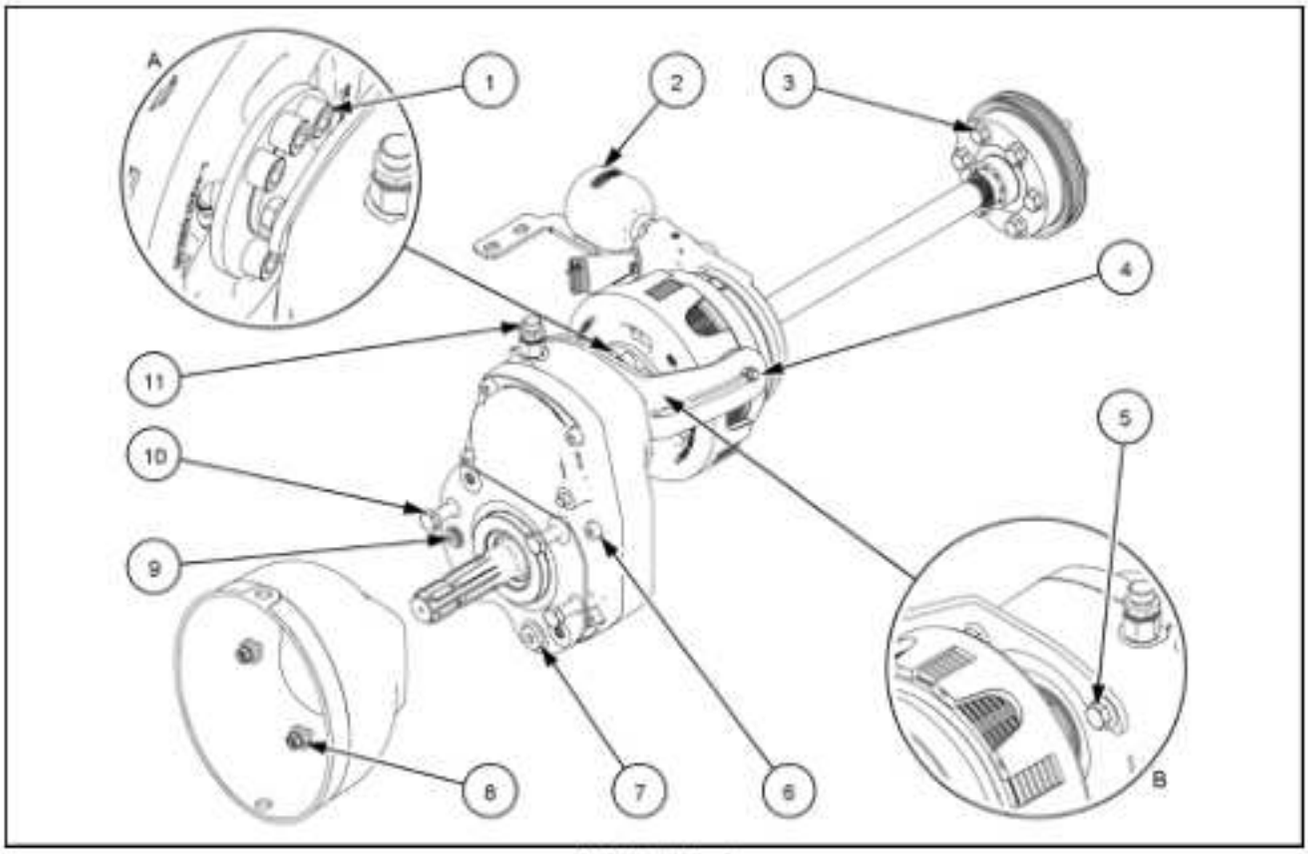
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Front Power Take-Off (PTO) - Torque



Parts to be torqued	Thread dimension	Tightening torques
Drive shaft retaining screw **(1)** (6x)	M12 x 1.25 x 20	**35 – 45 N·m (25.81 – 33.19 lb ft)**
Accumulator **(2)**	M14 x 1.50	**35 – 45 N·m (25.81 – 33.19 lb ft)**
Connection screw **(3)** to the engine (6x)	M10 x 1.25 x 65	**58 – 64 N·m (42.78 – 47.20 lb ft)**
Magnet retaining nut **(4)** (*)	M8 x 1.25 x 30	**29 – 32 N·m (21.39 – 23.60 lb ft)**
Magnet support retaining screw **(5)** (2x)	M10 x 1.25 x 20	**44 – 49 N·m (32.45 – 36.14 lb ft)**
Cover retaining screw **(6)** (7x) (*)	M12 x 1.25 x 35	**42 – 52 N·m (30.98 – 38.35 lb ft)**
Oil drain plug **(7)**	M18 x 1.50	**40 – 50 N·m (29.50 – 36.88 lb ft)**
Guard retaining nut **(8)**	M8 x 1.25	**23 – 27 N·m (16.96 – 19.91 lb ft)**
Oil level check plug **(9)**	M12 x 1.50	**25 – 35 N·m (18.44 – 25.81 lb ft)**
Retaining screws **(10)** to the Front Power Take-Off (PTO) support (4x)	M12 x 1.25 x 45	**110 – 125 N·m (81.13 – 92.20 lb ft)**
Oil vent plug **(11)**	M18 x 1.50	**44 – 49 N·m (32.45 – 36.14 lb ft)**

(*) Before tightening apply some drops of **LOCTITE® 243™** on the screws and apply **LOCTITE® 518™**, **LOCTITE® 5205** or **LOCTITE® 510™** on the contact surfaces.

Front Power Take-Off (PTO) - General specification

Version	One speed power take-off (PTO)
PTO speed	**1000 RPM** (with engine speed at **1920 RPM**)
Shank	Six grooves
Clutch	Dry multidisc
Engagement	Electro-hydraulic, via switch in cab
Terminal plates	Two
Central reaction discs	Five

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Wiring harnesses - Electrical schematic sheet 27 (55.100)
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3999 - Unknown ECU Error Code

Control Module: ECU

Context:
This fault code has been logged by the Engine Control Unit (ECU) but cannot be converted by the machine module. Retrieve the fault code(s) using the EASY engine software.

Solution:

1. Check for other Selective Catalytic Reduction (SCR) related fault code(s).
   A. Other SCR related fault codes are present. Resolve these fault codes.
   B. Other SCR fault codes are not present. Use the EASY tool, record all the data regarding the fault code. Submit a concern to ASIST.

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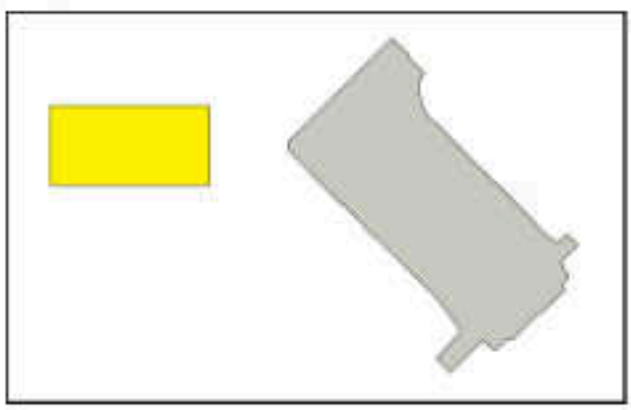
Gears - Service instruction - Disassembling indications



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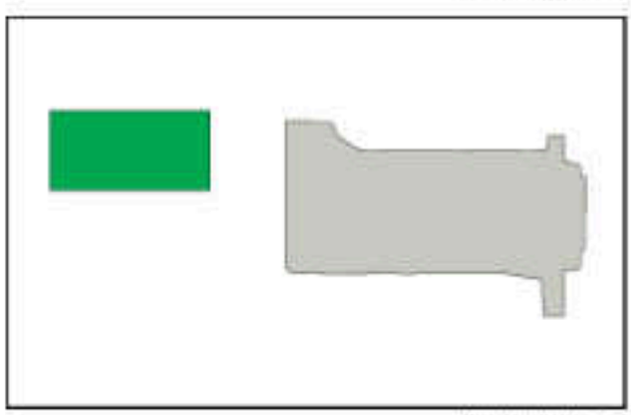
Gearbox- Section view

Position the transmission housing, as shown in the figure, to remove the components of the front section.



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Position the transmission housing, as shown in the figure, to remove the components of the central section (part 1).



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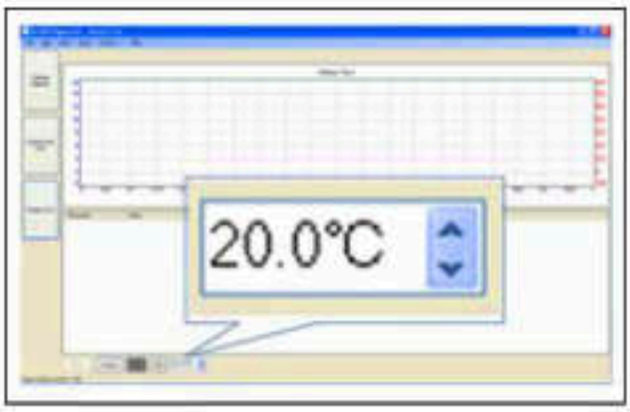
3. In the main screen DATAR Diagnostics, select the battery test icon **(1)**.



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4. In the battery test screen, click the up and down arrows of the temperature display on the bottom left and set the battery temperature measured with a thermometer in contact with it.

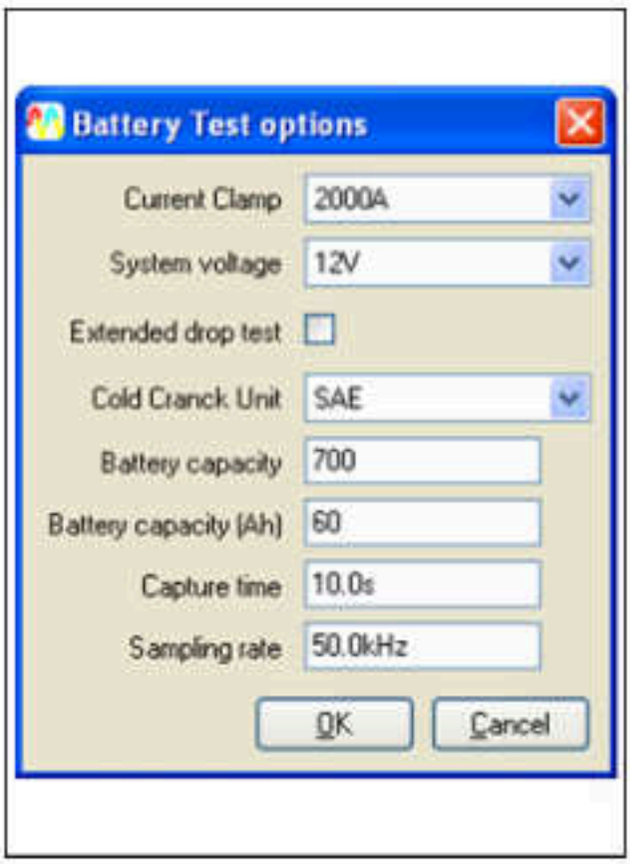
NOTE: *Make sure that the battery temperature is set correctly before starting the test.*



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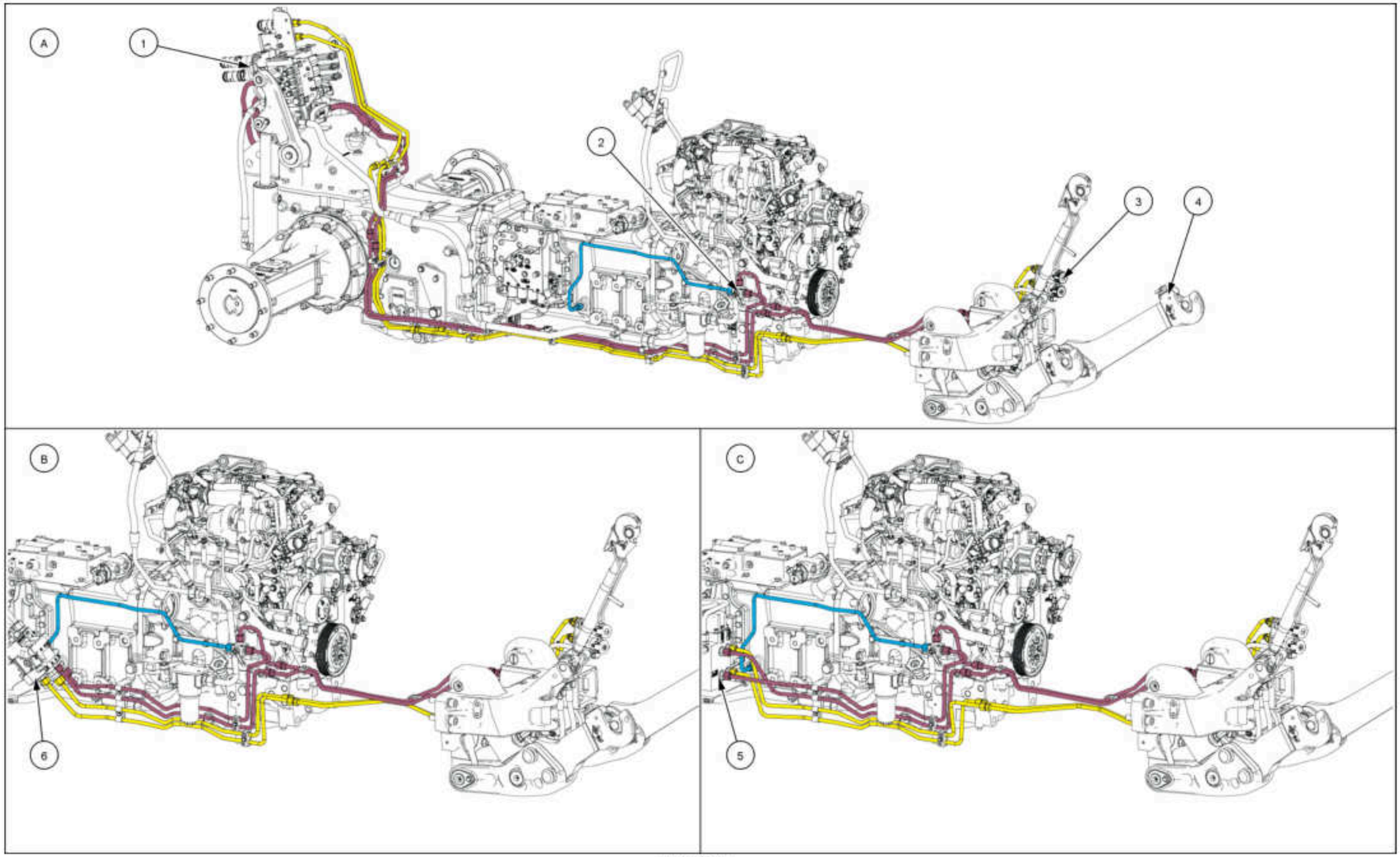
5. Select the 'Battery Test' option from the 'Options' drop down menu and make sure that the following settings are correct:
   - Current clamp = **2000 A**
   - System voltage = **12 V**
   - Untick the box: Extended drop test
   - Capture time = **10 s**
   - Sampling rate = 50 KHz
6. Make sure to add the correct information related to the battery in the following fields:
   - Cold Crank Unit
   - Battery capacity
   - Battery (Ah)

NOTE: *For batteries fitted in production set the 'Cold Crank Unit' to SAE.*



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