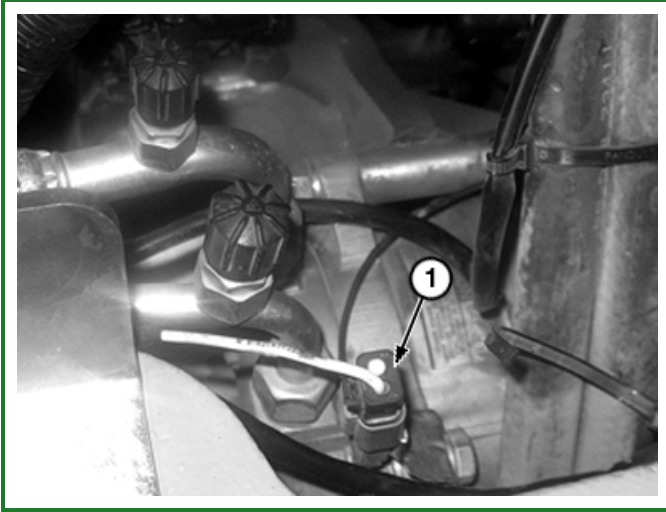


Air Conditioner Compressor Clutch Test



TX1142121A-UN: Compressor Clutch Wire

LEGEND:

1 - Air Conditioner Compressor Clutch Wire Connector

1. Disconnect air conditioner compressor clutch wire connector (1).
2. Engage air conditioner compressor clutch by connecting positive (+) battery terminal to compressor side of air conditioner compressor clutch wire connector. Connect negative (-) battery terminal to compressor housing.
3. The air conditioner compressor clutch should “click” as it engages.
4. If air conditioner compressor clutch does not “click” or engage, replace compressor. [See Air Conditioner Compressor Remove and Install](#) . (Group 1830.)
5. If air conditioner compressor clutch “clicks” and engages, check wiring harness and air conditioner high/low pressure switch.

[See Air Conditioner Harness \(W10\) Wiring Diagram](#) . (Group 9015-10.)

[See Air Conditioner High/Low Pressure Switch Test](#) . (Group 9031-25.)

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Air Conditioner High/Low Pressure Switch Test

-: Specifications

SPECIFICATIONS	
Air Conditioner High/Low Pressure Switch Opening Pressure (low side)	120 kPa 1.2 bar 17 psi
Air Conditioner High/Low Pressure Switch Closing Pressure (low side)	240 kPa 2.4 bar 34 psi
Air Conditioner High/Low Pressure Switch Closing Pressure (high side)	1900 kPa 19 bar 275 psi
Air Conditioner High/Low Pressure Switch Opening Pressure (high side)	2500 kPa 25 bar 362 psi
Air Conditioner High/Low Pressure Switch Torque	36 N·m 26 lb-ft

-: Essential Tools

ESSENTIAL TOOLS
JT02051 Gauge Set
JT02148 Straight Connector



TX1142120A-UN: High/Low Pressure Switch

LEGEND:

1 - High/Low Pressure Switch

Air Conditioner High/Low Pressure Switch Low Side Test

1.

NOTE:

When system pressure is below 120 kPa (1.2 bar) (17 psi), the switch contacts open to stop compressor operation.