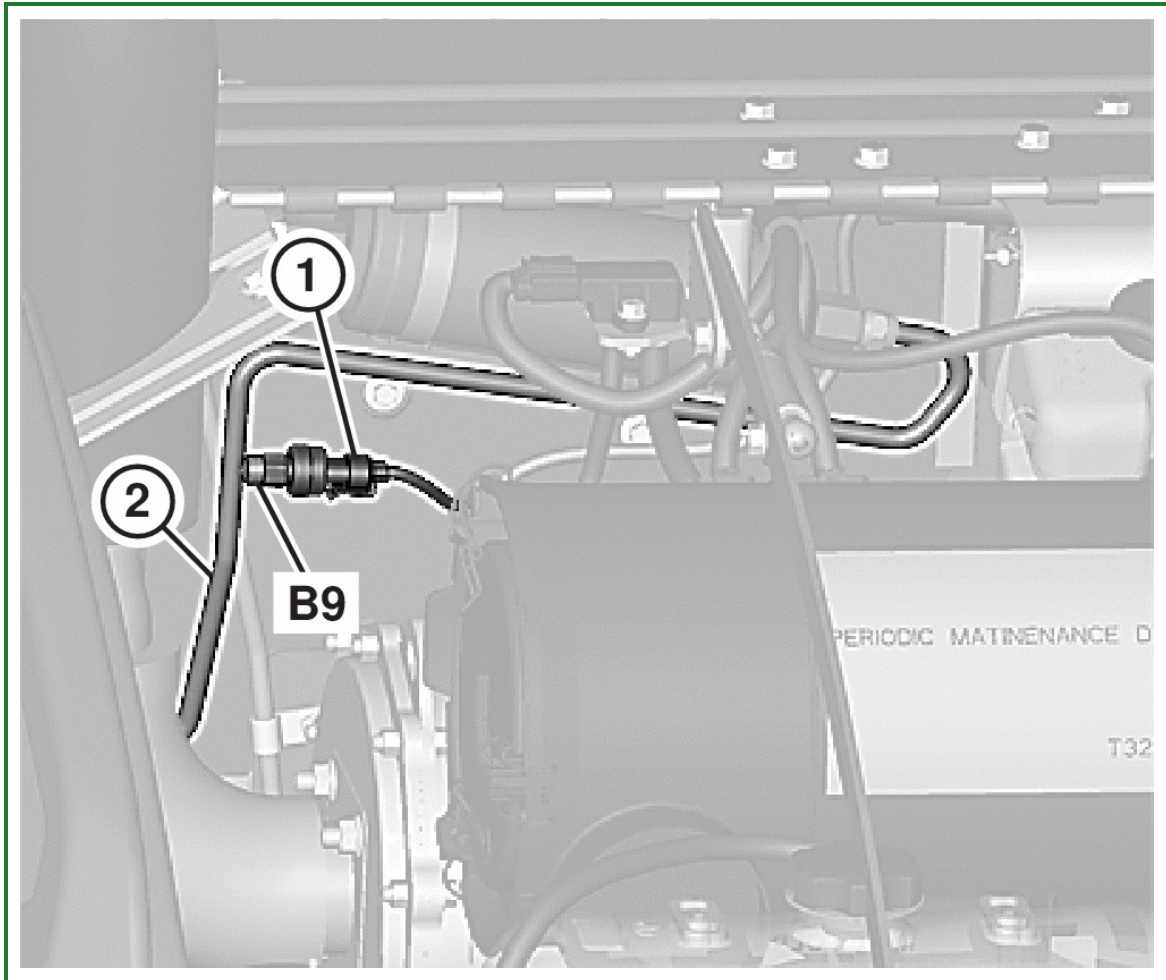


1.



**TX1126793-UN: Air Conditioner High/Low Pressure Switch**

**LEGEND:**

1 - 2-Pin Connector

2 - Refrigerant Line

B9 - Air Conditioner High/Low Pressure Switch

Switch power ON but do not start engine.

2. Turn blower motor speed switch (S9) to ON position.
3. Turn air conditioner switch (S19) to maximum cooling position.

4. **NOTE:**

*Air conditioner high/low pressure switch is normally open when removed from machine. When installed, the switch becomes closed due to normal system pressure.*

Disconnect 2-pin connector (1) from air conditioner high/low pressure switch (B9). Compressor clutch must disengage and “click”.

5. Connect 2-pin connector to air conditioner high/low pressure switch. Compressor clutch must engage and “click”.
6. Disconnect 2-pin connector from air conditioner high/low pressure switch.

7. **NOTE:**

*Refrigerant line is equipped with a valve at the high/low pressure switch port to prevent*

*system from discharging when switch is removed.*

Remove air conditioner high/low pressure switch from refrigerant line (2).

8. Connect 2-pin connector to air conditioner high/low pressure switch. Compressor clutch must not engage or “click”.
9. Connect air conditioner high/low pressure switch to regulated air supply or dry nitrogen using JT02148 Straight Connector.
10. Use a multimeter to check for continuity between terminals during pressure testing.
11. Slowly apply pressure. High/low pressure switch must not have continuity between terminals until pressure increases to switch closing (low pressure) specification.

Item	Measurement	Specification
Switch Closes	Low Pressure	159—255 kPa 1.59—2.55 bar 23—37 psi

12. Slowly release pressure. High/low pressure switch must have continuity until pressure decreases to switch opening (low pressure) specification.

Item	Measurement	Specification
Switch Opens	Low Pressure	138—228 kPa 1.38—2.28 bar 20—33 psi

13. Slowly increase pressure. High/low pressure switch must have continuity between terminals until pressure increases to switch opening (high pressure) specification.

Item	Measurement	Specification
Switch Opens	High Pressure	2620—2896 kPa 26.2—28.96 bar 380—420 psi

14. Slowly release pressure. High/low pressure switch must not have continuity until pressure decreases to switch closing (high pressure) specification.

Item	Measurement	Specification
Switch Closes	High Pressure	1379—2068 kPa 13.79—20.68 bar 200—300 psi

15. Switch can also be checked when installed in air conditioning system; however, pressure is slow to increase to test specifications.

Connect an air conditioner gauge set to service fittings at compressor. Cover condenser with paper or plastic to stop air flow. Operate air conditioning on maximum cooling. Note high-side pressure when switch opens and closes.