RDX HVAC System Diagnostic's and Trouble code 2013-2018

DTC TROUBLESHOOTING > DTC B1209: CLIMATE CONTROL UNIT LOST COMMUNICATION WITH MICU (FOB ID MESSAGE) (2013-18)

DTC Description	DTC
B1209 Climate control unit lost communication with MICU (FOB ID message)	

DTCs (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (2013-15), or How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Wait for at least 6 seconds.- 5. Check for DTCs.

DTC Description	DTC
B1209 Climate control unit lost communication with MICU (FOB ID message)	

   Is DTC B1209 indicated?
   YES
   Go to MICU DTC U1280 troubleshooting - Refer to: DTC Troubleshooting: U1280 (MICU) (2013-15), or DTC Troubleshooting: U1280 (MICU) (2016-18) .
   NO
   Intermittent failure, the system is OK at this time.

DTC TROUBLESHOOTING > DTC B121A (49): AN OPEN IN THE MODE CONTROL MOTOR CIRCUIT (2013-15)

DTC Description	DTC
B121A An open in the mode control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B121A An open in the mode control motor circuit	

Is DTC B121A or 49 indicated?

YES

Go to step 2.

NO

Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

2. Open wire check (MDD-P/MODE MOTOR P line):

Press the engine start/stop button to select the OFF mode. -

2. Disconnect the following connectors.

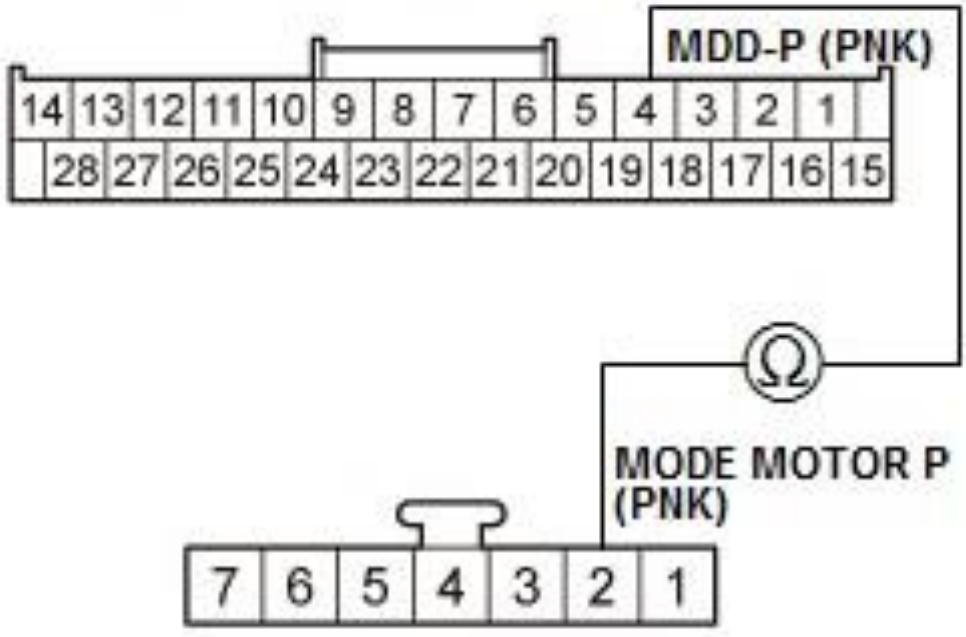
Climate control unit connector A (28P)
Mode control motor 7P connector

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MDD-P/MODE MOTOR P
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Mode control motor 7P connector No. 2 (PNK)

CLIMATE CONTROL UNIT CONNECTOR A (28P)

Wire side of female terminals



MODE CONTROL MOTOR 7P CONNECTOR

Wire side of female terminals

Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The MDD-P/MODE MOTOR P wire is not open. Go to step 3.

NO

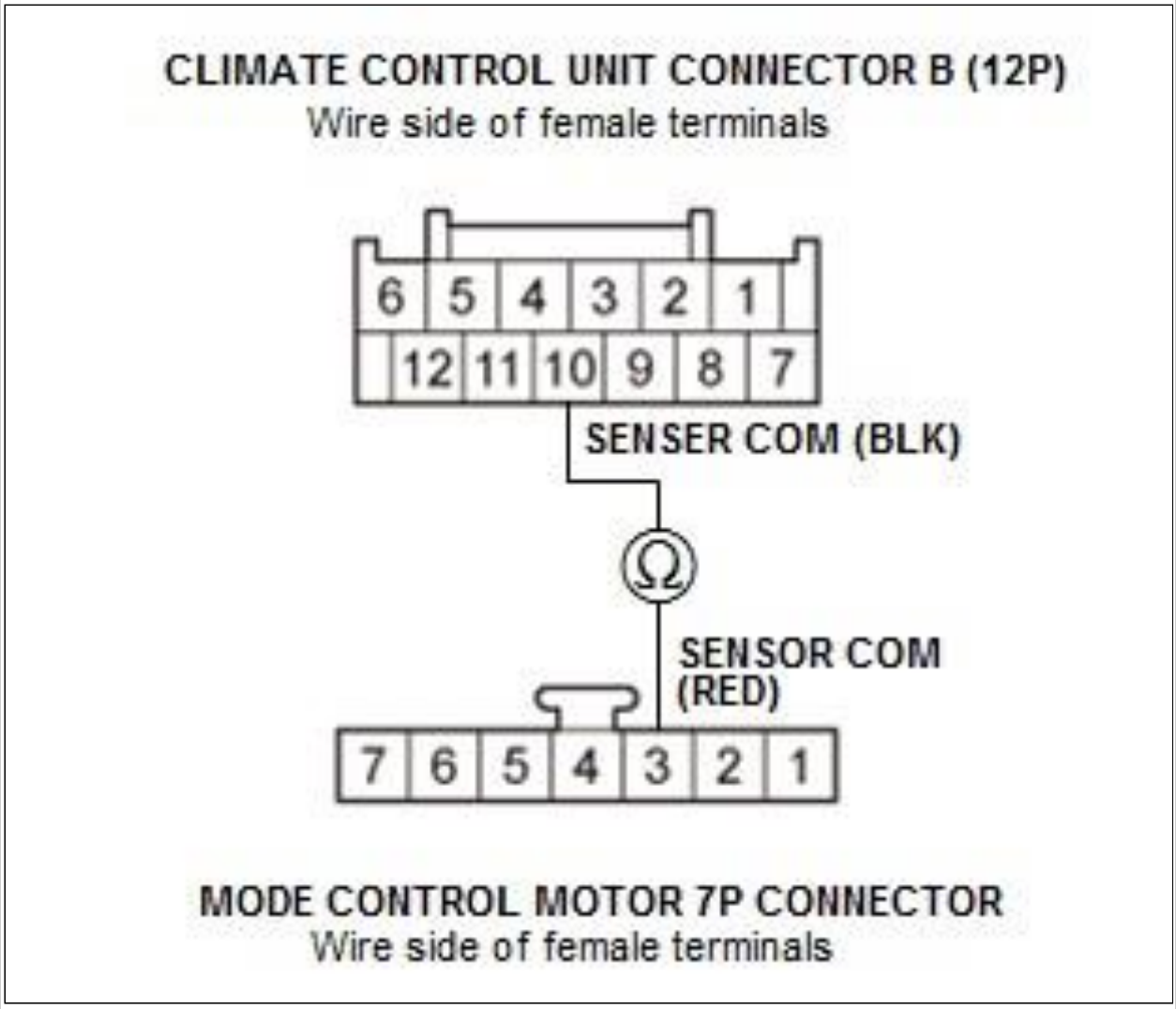
Repair an open in the wire between the climate control unit and the mode control motor.

3. Open wire check (SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	SENSOR COM/SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Mode control motor 7P connector No. 3 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM/SENSOR COM wire is not open. Go to step 4.

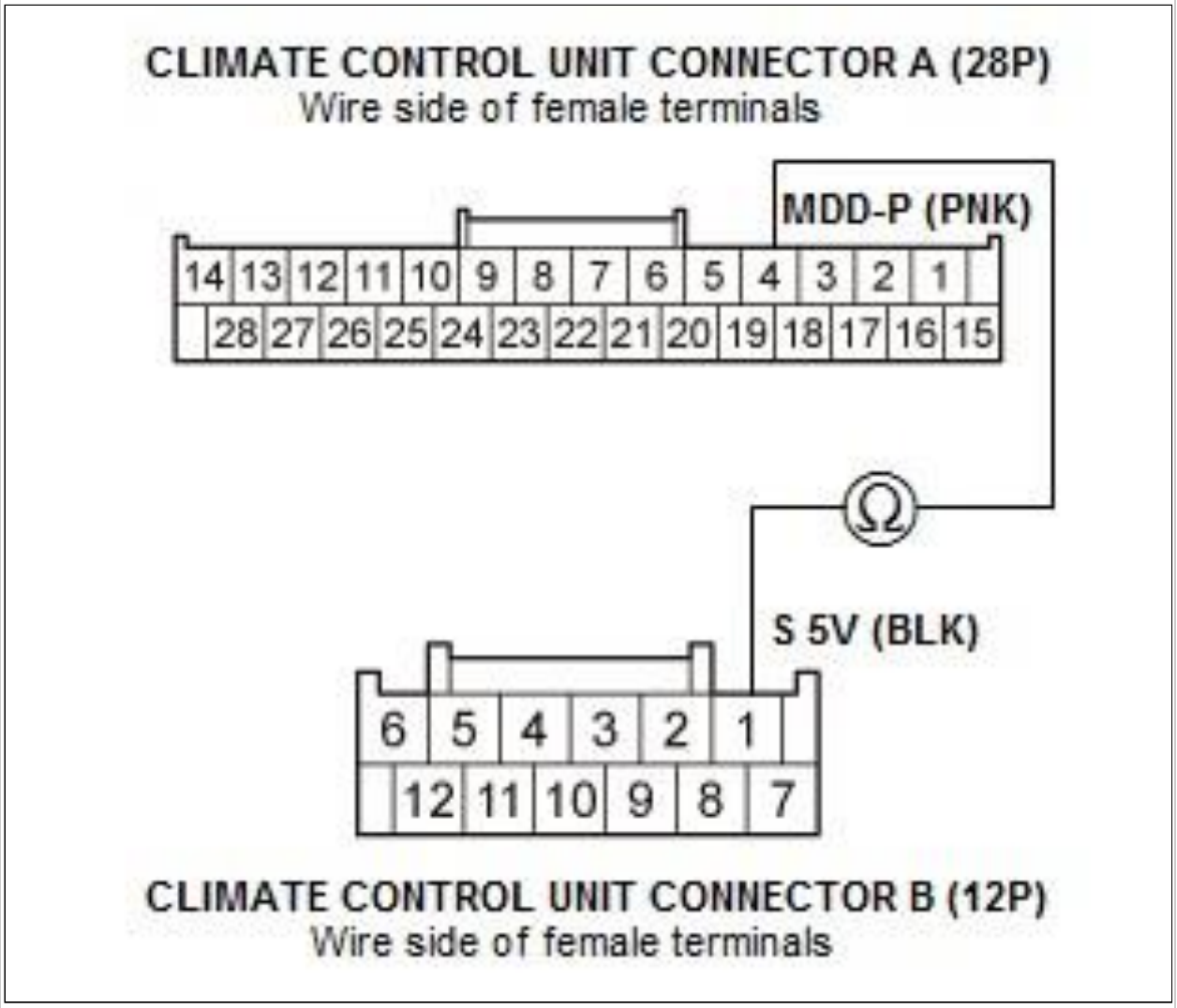
NO

Repair an open in the wire between the climate control unit and the mode control motor.

4. Shorted wire check (S 5V/SENSOR 5V line to MDD-P/MODE MOTOR P line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	S 5V, MDD-P

Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the mode control motor.

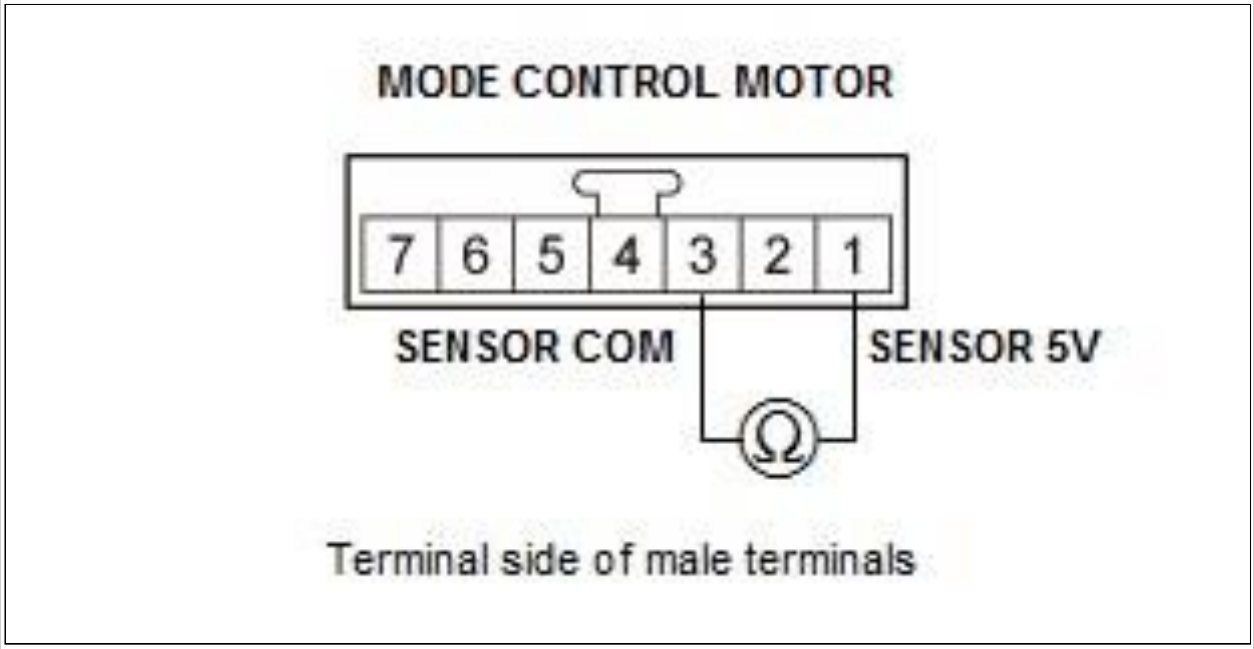
NO

The S 5V/SENSOR 5V wire to MDD-P/MODE MOTOR P wire are not shorted. Go to step 5.

5. Mode control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Mode control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Mode control motor No. 1
Test point 2	Mode control motor No. 3



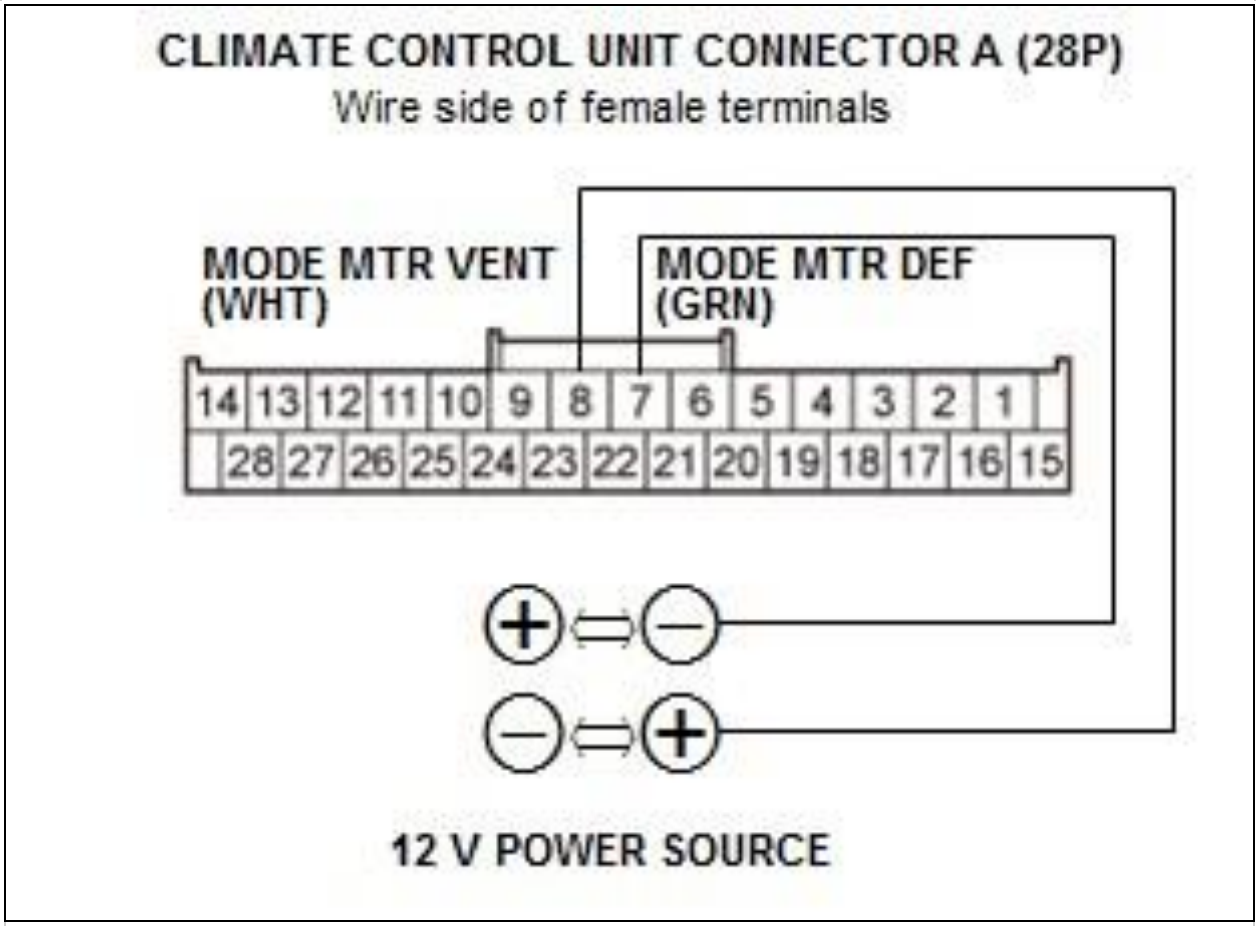
Courtesy of HONDA, U.S.A., INC.

Is the resistance 6 kΩ ± 1.8kΩ?
YES
Go to step 6.
NO
Replace the mode control motor .

6. Mode control motor internal resistance check (S 5V and MDD-P):
   Reconnect the mode control motor 7P connector .
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 7 (GRN)
Terminal B	Climate control unit connector A (28P) No. 8 (WHT)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



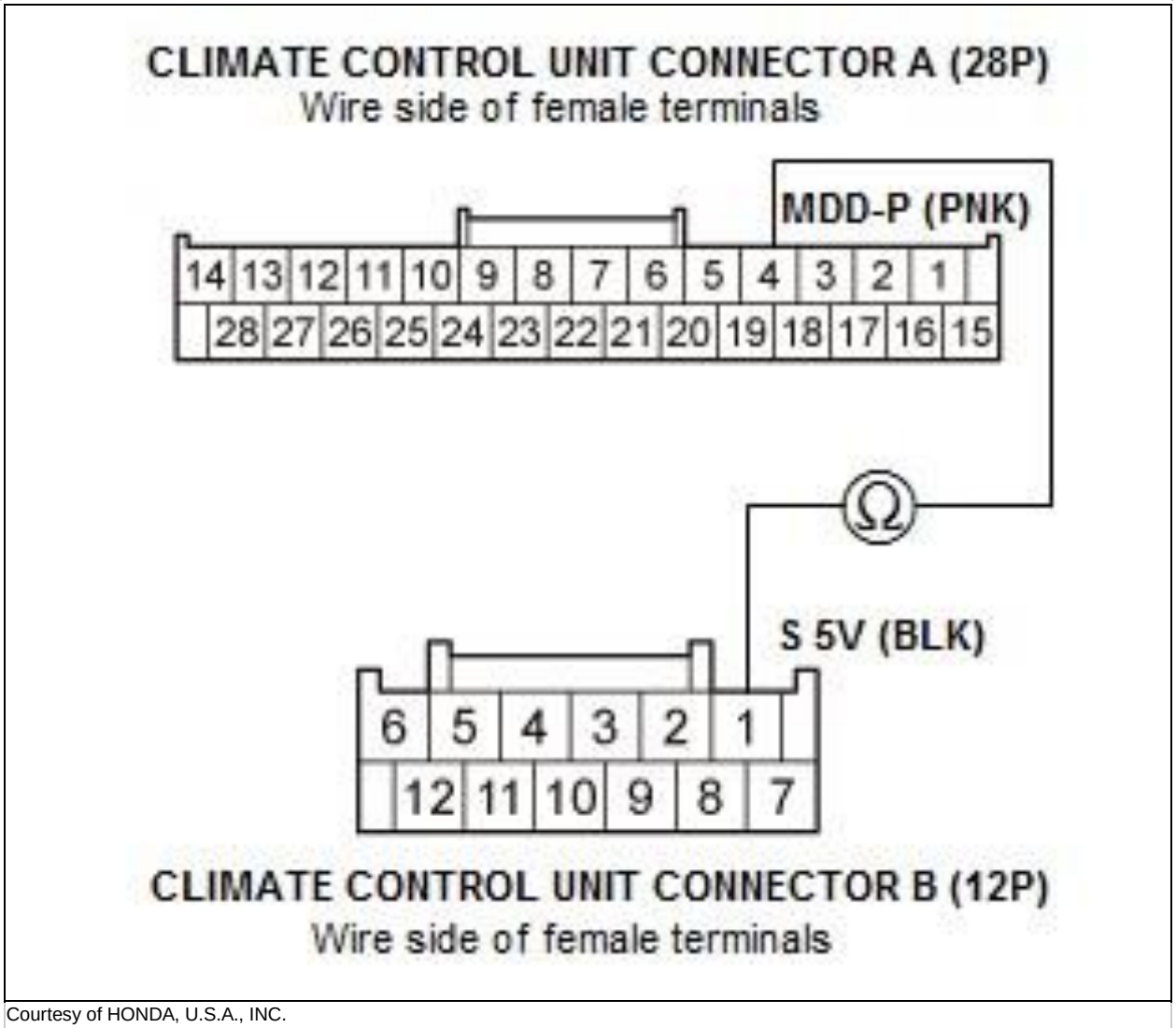
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	S 5V, MDD-P
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)

Test point 2	Climate control unit connector B (12P) No. 1 (BLK)

NOTE: Continuity between S 5V and MDD-P may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the mode control motor .

DTC TROUBLESHOOTING > DTC B121A (B-B4), B121A (49): AN OPEN IN THE MODE CONTROL MOTOR CIRCUIT (2016-18)

DTC Description	DTC
B121A An open in the mode control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B121A An open in the mode control motor circuit	

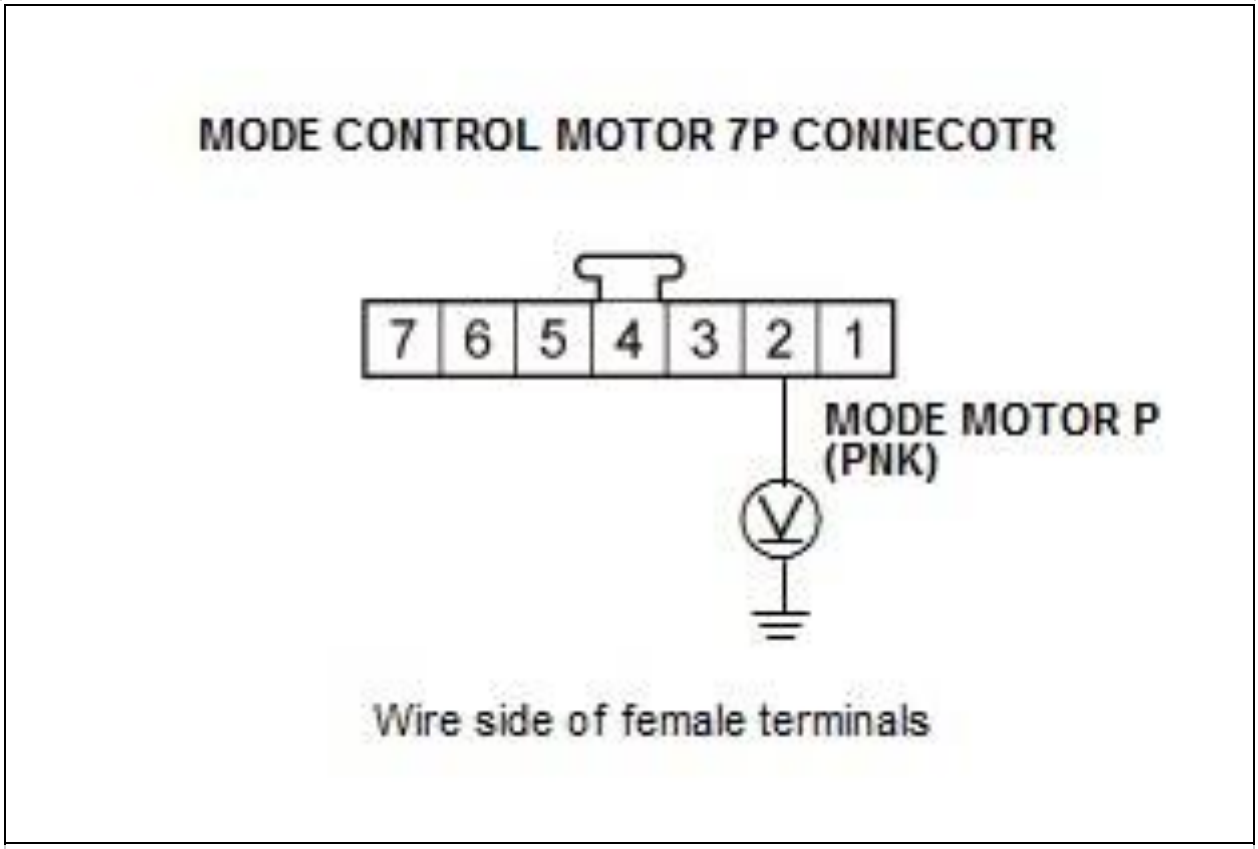
   Is DTC B121A, Error on the DTC screen B-B4 (with navigation), or 49 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

2. Determine possible failure area (MDD-P/MODE MOTOR P line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Mode control motor 7P connector

   - 3. Press the engine start/stop button to select the ON mode. -
   4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	MODE MOTOR P
Test point 1	Mode control motor 7P connector No. 2 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

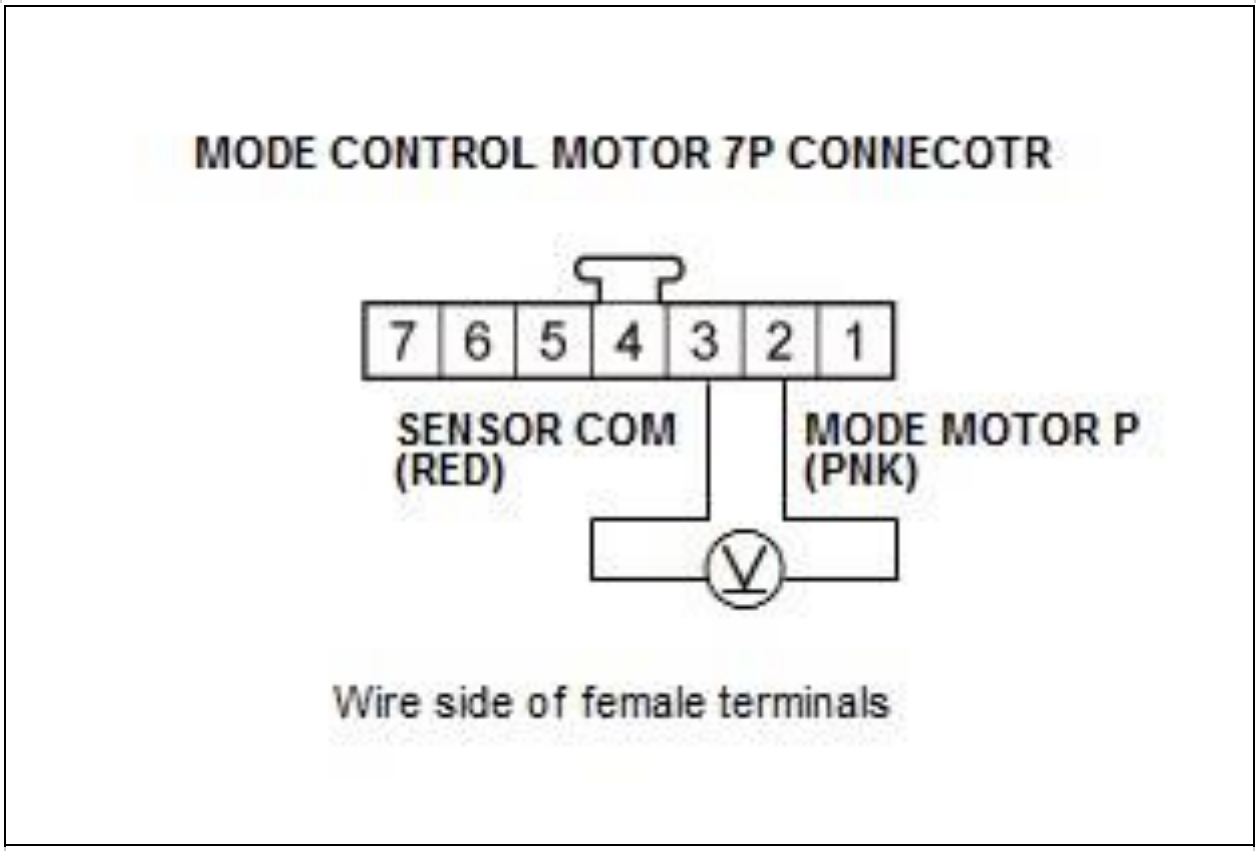
The MDD-P/MODE MOTOR P wire is OK. Go to step 3.

NO

Go to step 4.

3. Open wire check (SENSOR COM line):
Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	MODE MOTOR P, SENSOR COM
Test point 1	Mode control motor 7P connector No. 2 (PNK)
Test point 2	Mode control motor 7P connector No. 3 (RED)



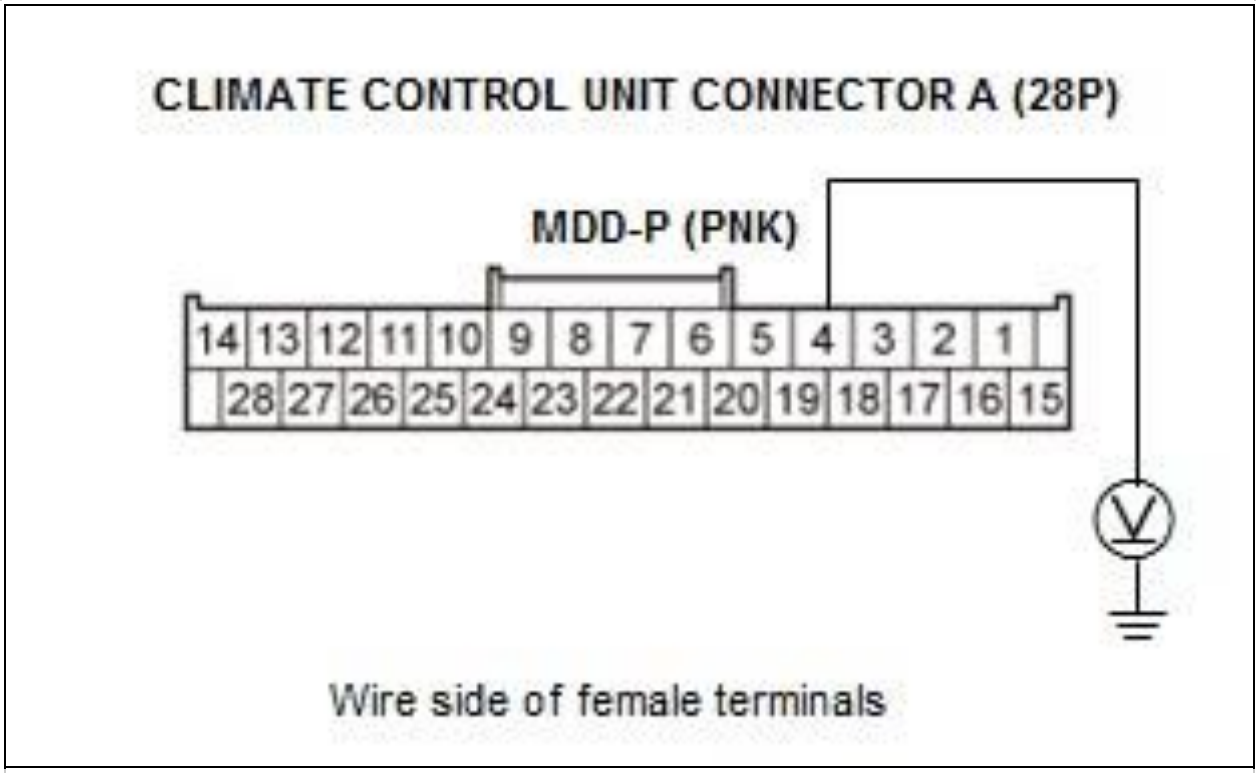
Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?
YES
Replace the mode control motor .
NO

Repair an open in the SENSOR COM wire.

4. Open wire check (MDD-P/MODE MOTOR P line): Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	MDD-P
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the MDD-P/MODE MOTOR P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B121B (4A): A SHORT IN THE MODE CONTROL MOTOR CIRCUIT (2013-15)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B121B A short in the mode control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B121B A short in the mode control motor circuit	

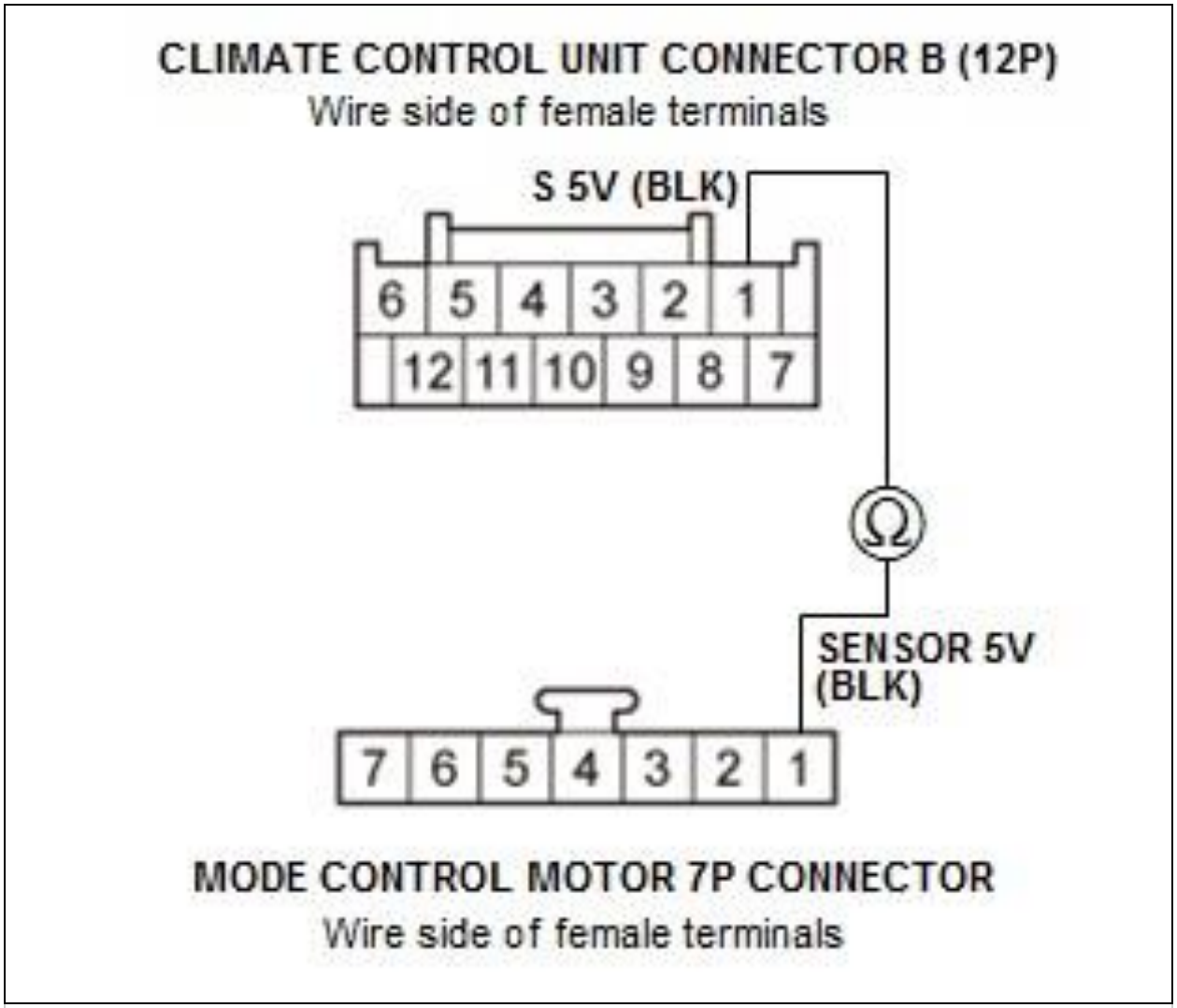
   Is DTC B121B or 4A indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

2. Open wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector B (12P)
Mode control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	S 5V/SENSOR 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Mode control motor 7P connector No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The S 5V/SENSOR 5V wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the mode control motor.

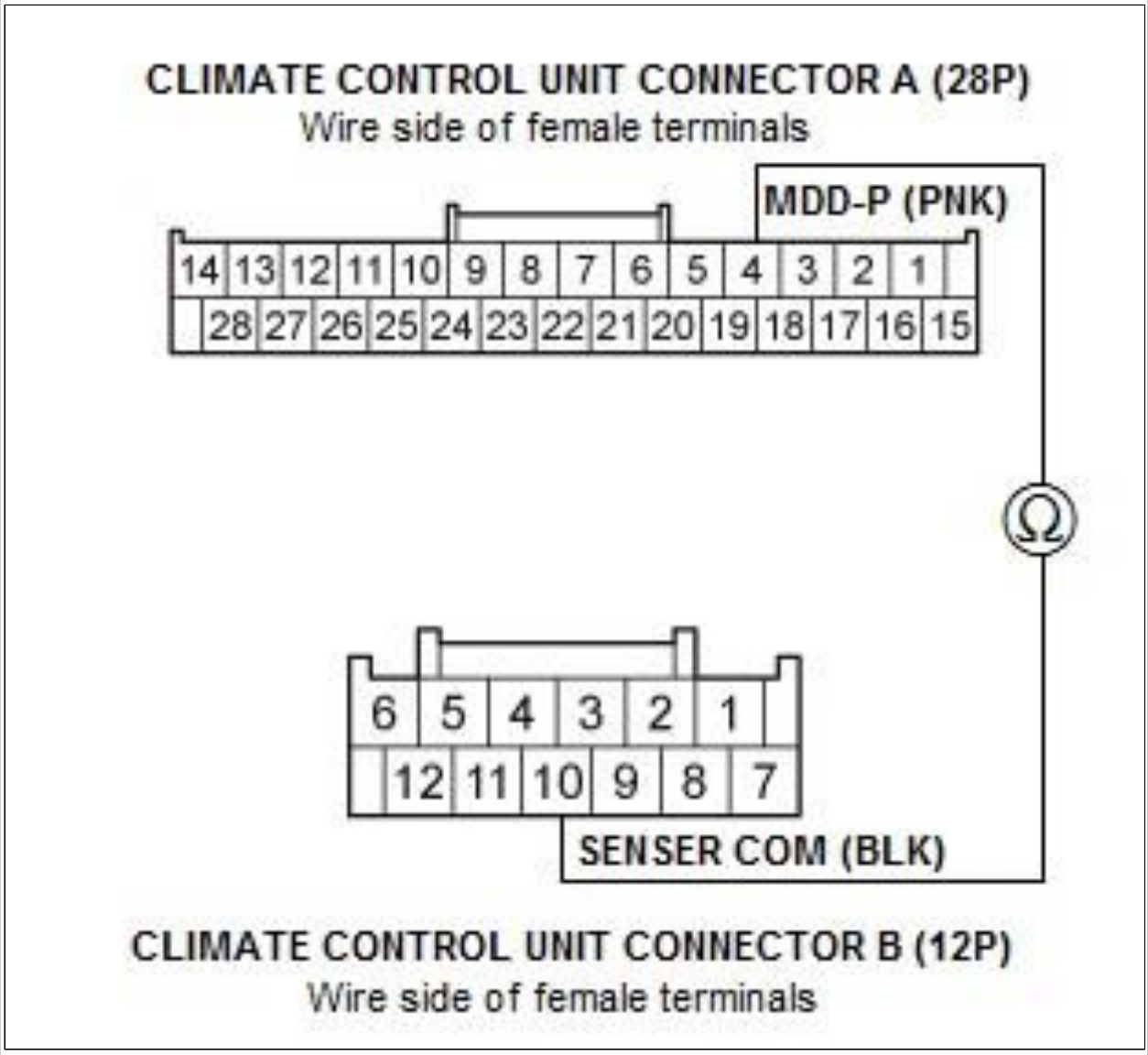
3. Shorted wire check (MDD-P/MODE MOTOR P line to SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector A (28P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected

Test circuit	MDD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the mode control motor.

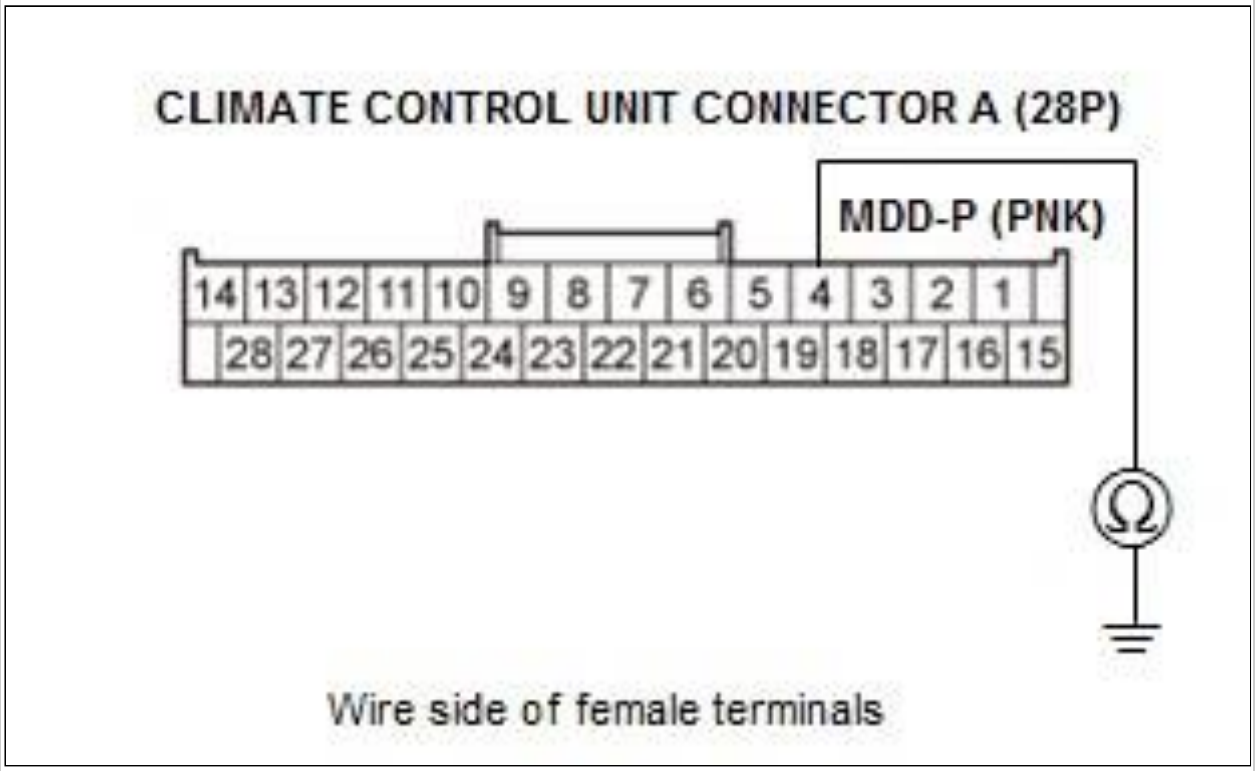
NO

The MDD-P/MODE MOTOR P wire to SENSOR COM/SENSOR COM wire are not shorted. Go to step 4.

4. Shorted wire check (MDD-P/MODE MOTOR P line): Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MDD-P
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the mode control motor.

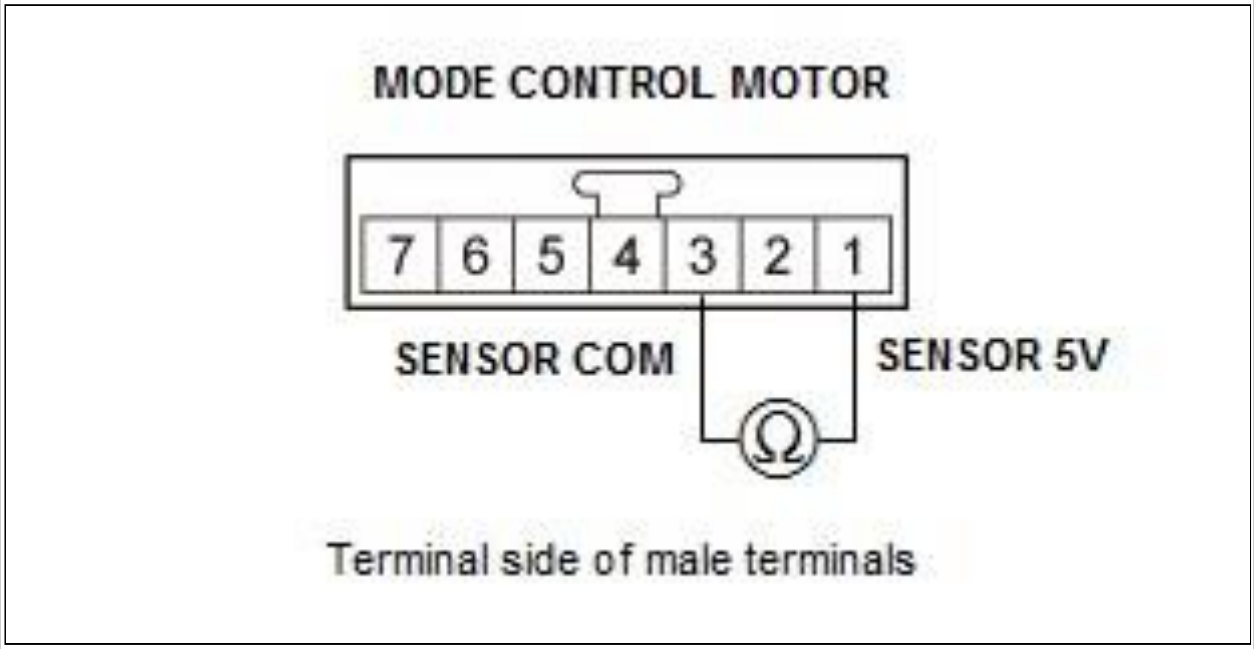
NO

The MDD-P/MODE MOTOR P wire is OK. Go to step 5.

5. Mode control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Mode control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Mode control motor No. 1
Test point 2	Mode control motor No. 3



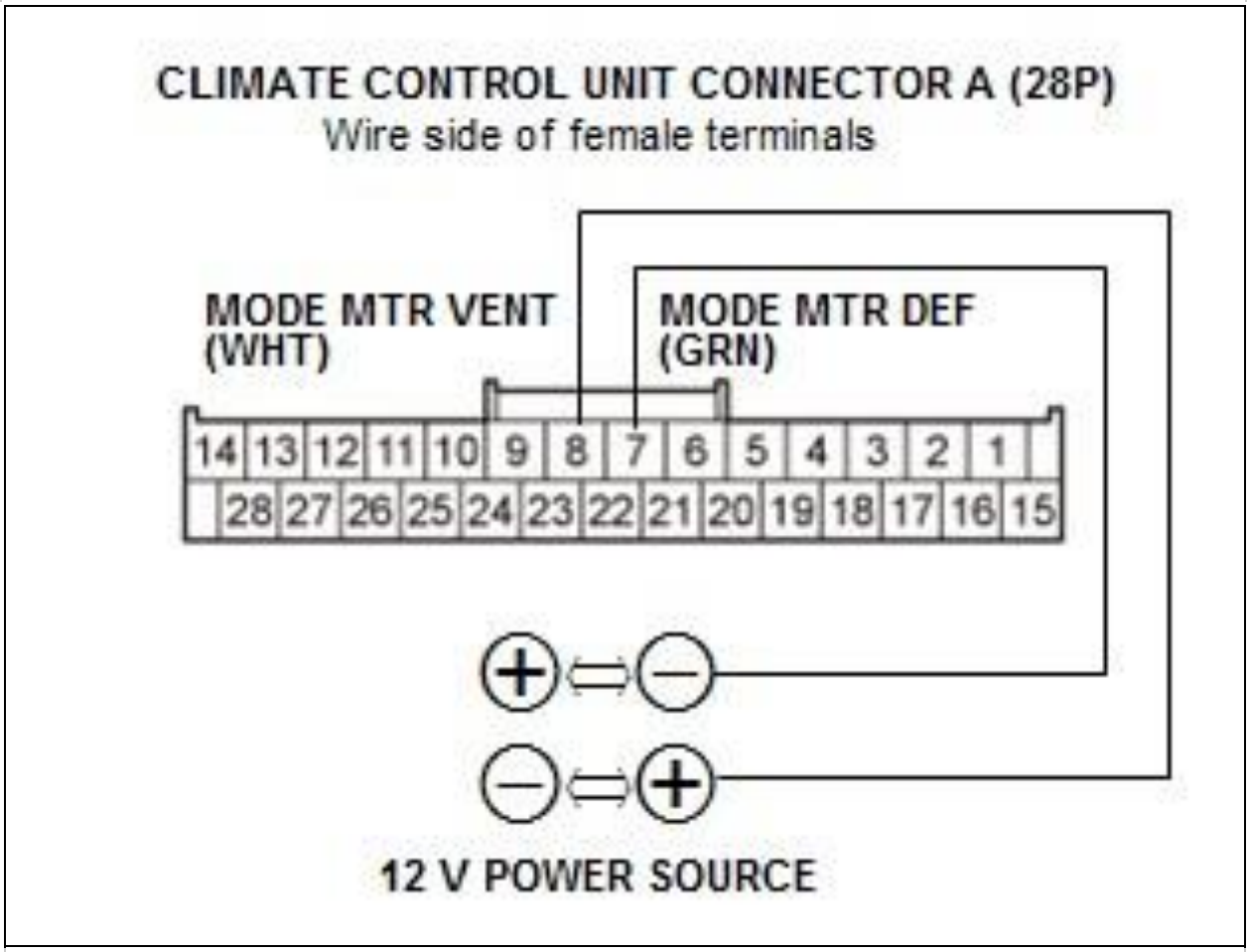
Courtesy of HONDA, U.S.A., INC.

Is the resistance 6 kΩ ± 1.8 kΩ?
YES
Go to step 6.
NO
Replace the mode control motor .

6. Mode control motor internal resistance check (MDD-P and SENSOR COM):
   Reconnect the mode control motor 7P connector.
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 7 (GRN)
Terminal B	Climate control unit connector A (28P) No. 8 (WHT)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



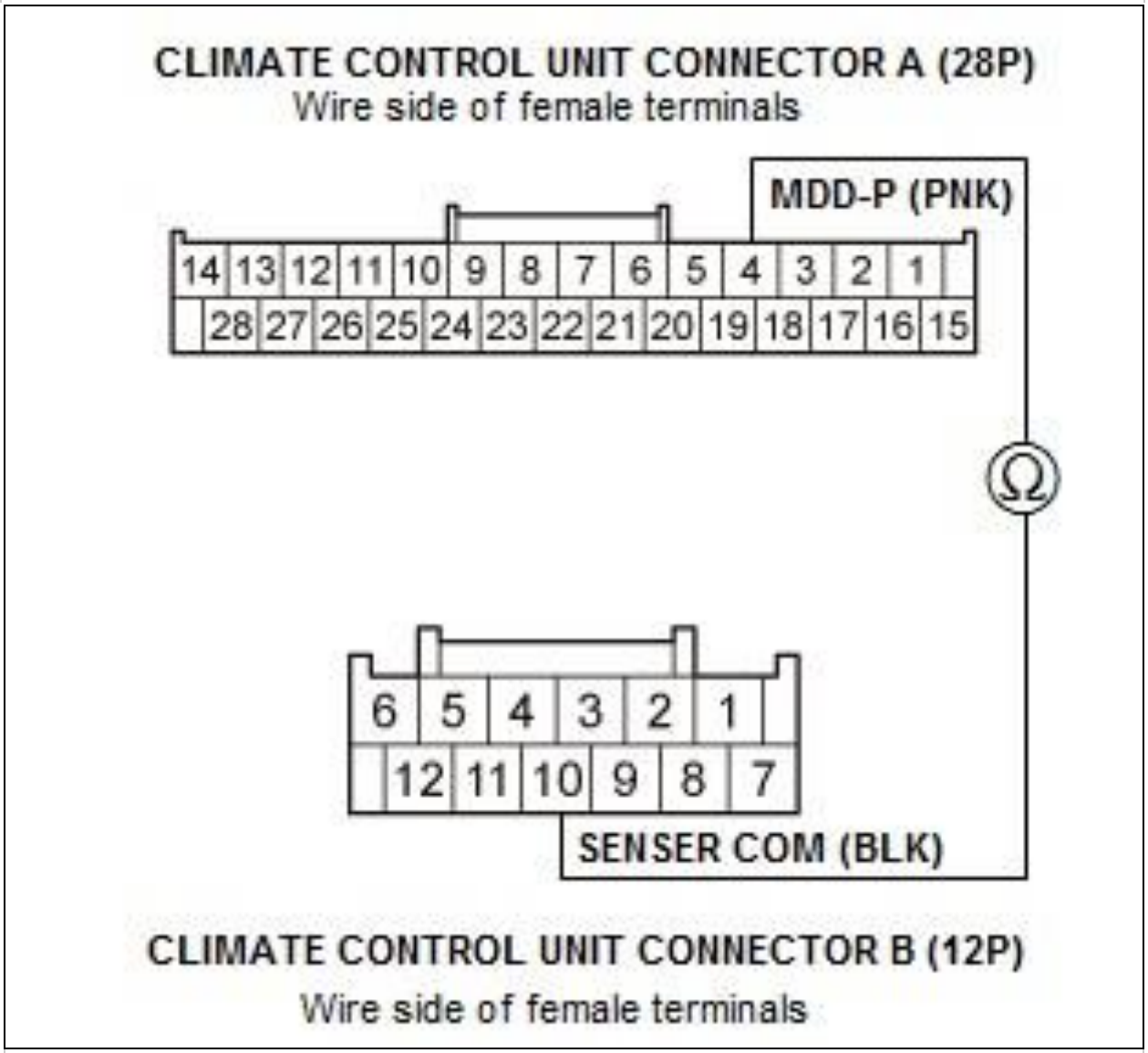
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

Test circuit	MDD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)

NOTE: Continuity between MDD-P and SENSOR COM may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?
YES
Replace the climate control unit .
NO
Replace the mode control motor .

DTC TROUBLESHOOTING > DTC B121B (B-B5), B121B (4A): A SHORT IN THE MODE CONTROL MOTOR CIRCUIT (2016-18)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B121B A short in the mode control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B121B A short in the mode control motor circuit	

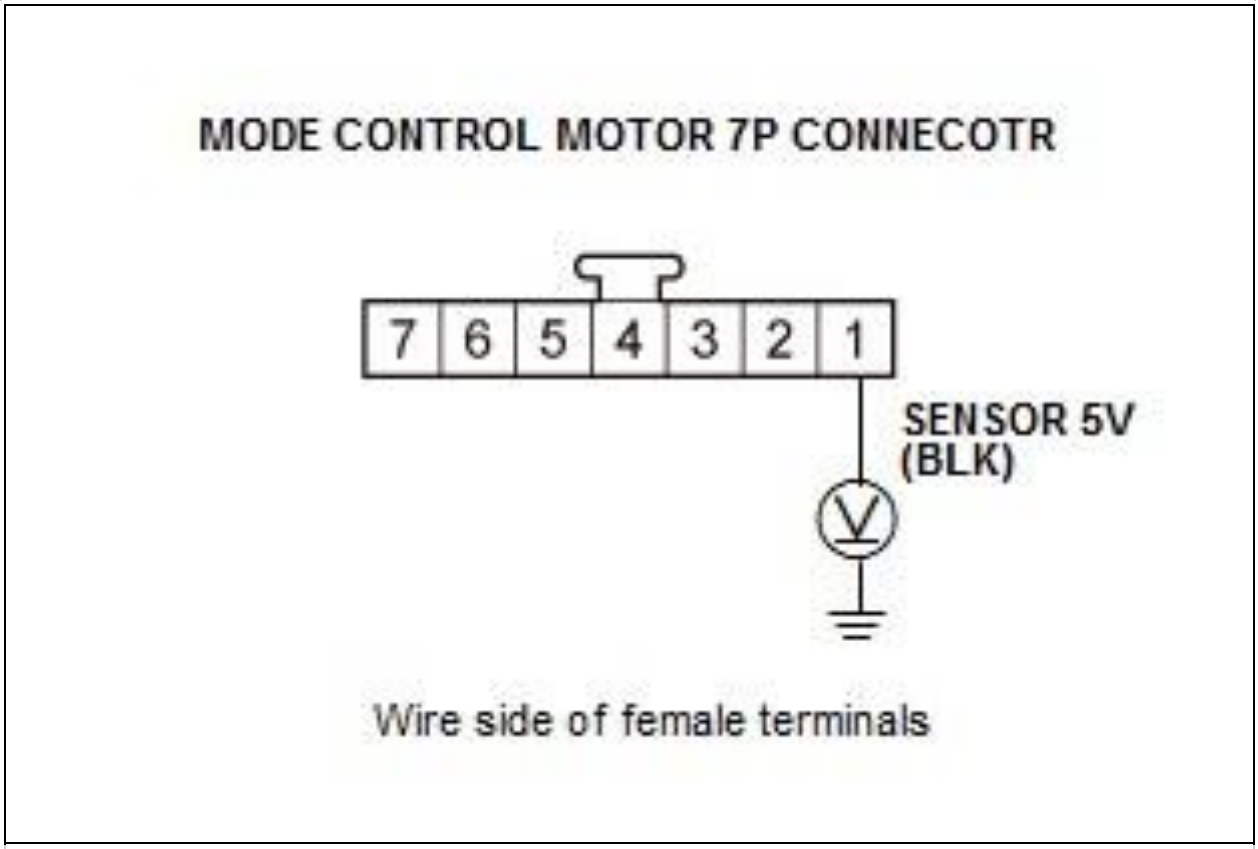
   Is DTC B121B, Error on the DTC screen B-B5 (with navigation), or 4A (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

2. Determine possible failure area (S 5V/SENSOR 5V line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Mode control motor 7P connector

   - 3. Press the engine start/stop button to select the ON mode.- 4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	SENSOR 5V
Test point 1	Mode control motor 7P connector No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

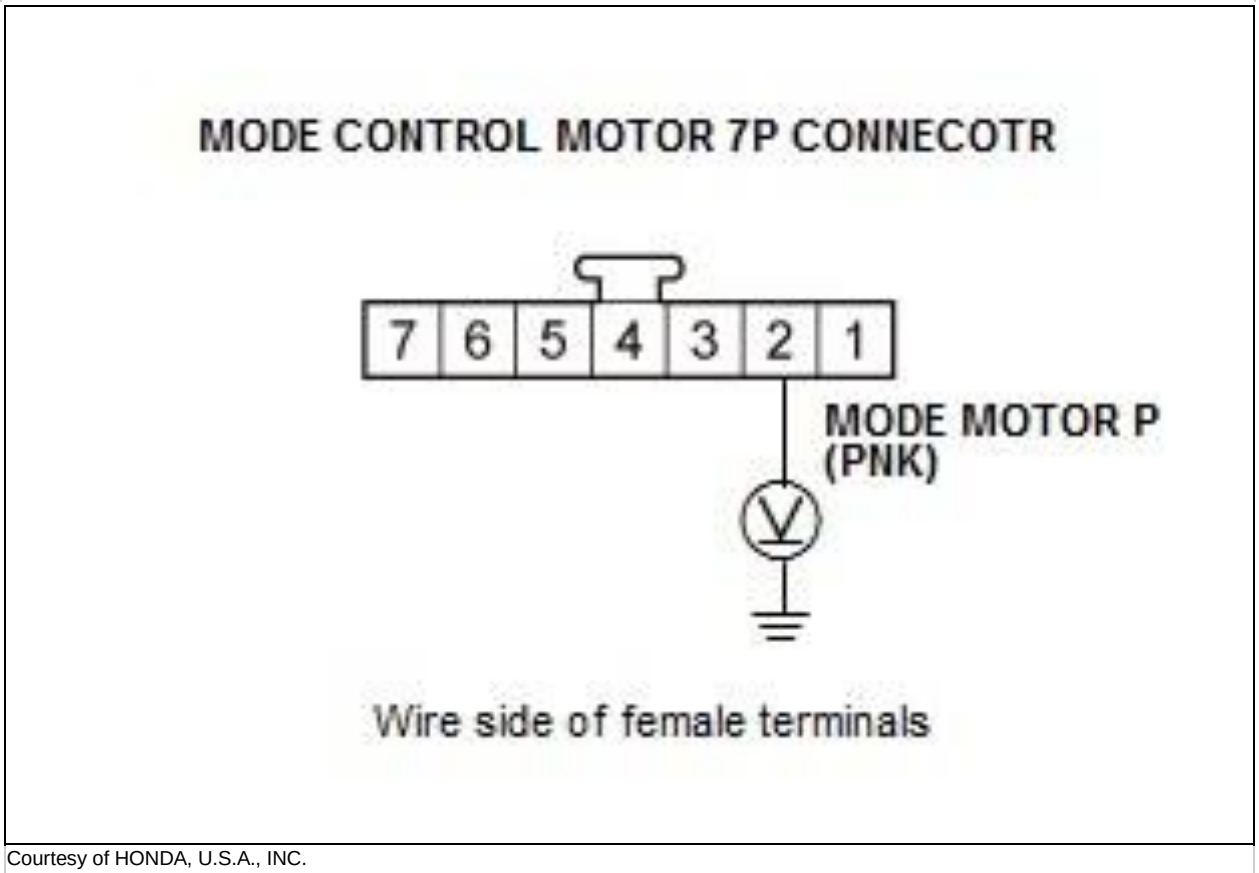
The S 5V/SENSOR 5V wire is OK. Go to step 3.

NO

Go to step 4.

3. Determine possible failure area (mode control motor, others): Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	MODE MOTOR P
Test point 1	Mode control motor 7P connector No. 2 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

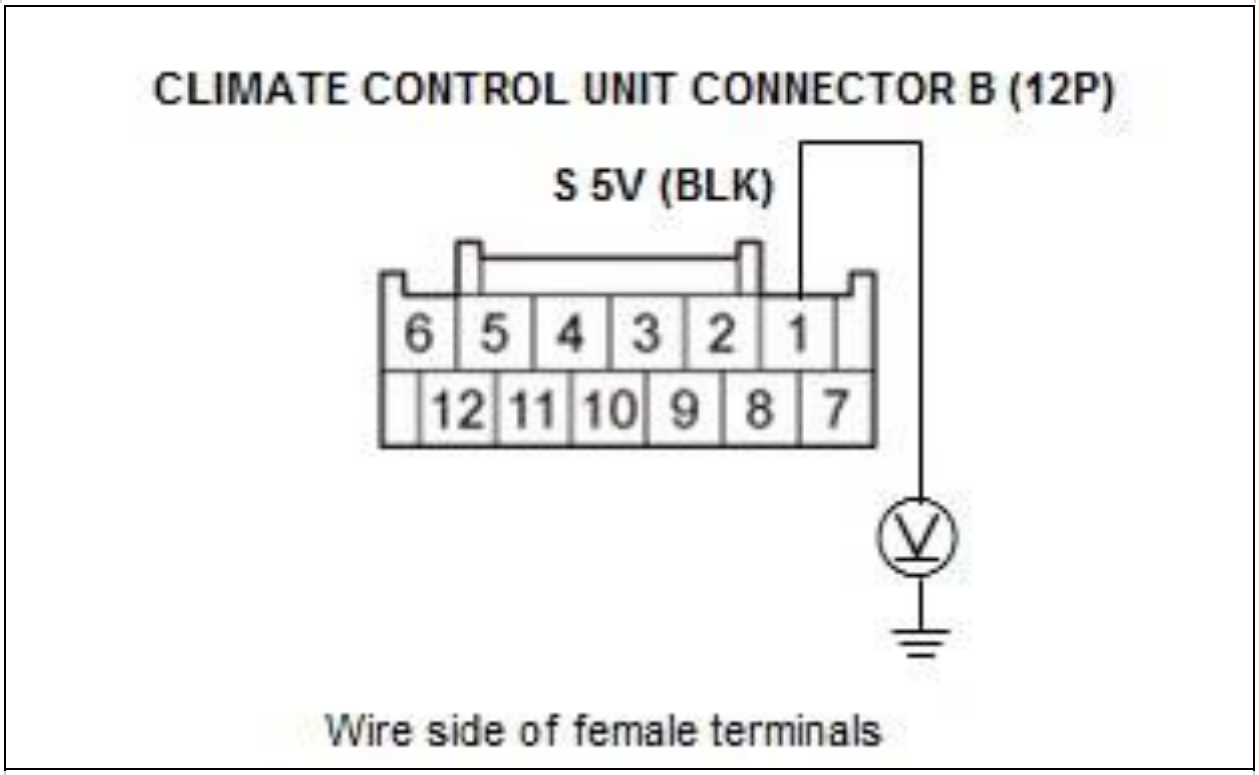
Replace the mode control motor .

NO

Go to step 6.

4. Open wire check (S 5V/SENSOR 5V line):
Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Mode control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the S 5V/SENSOR 5V wire.

NO

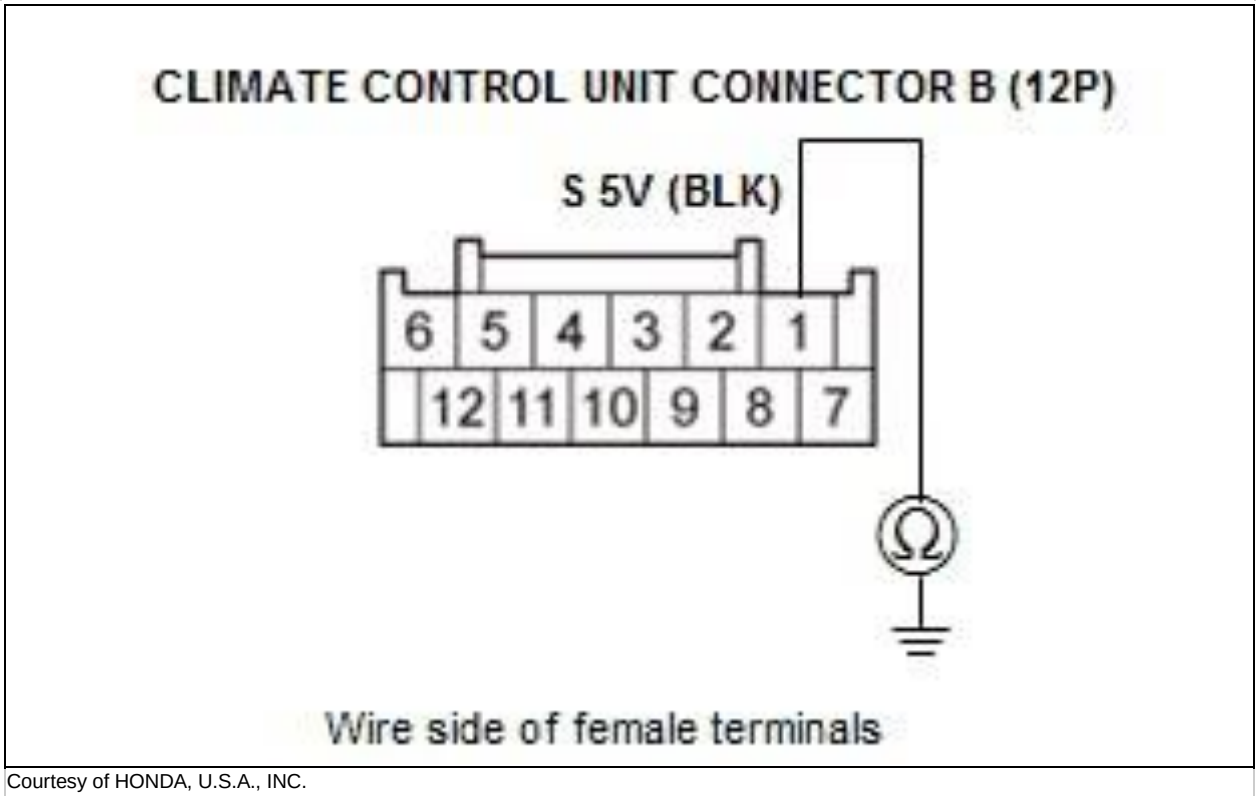
Go to step 5.

5. Shorted wire check (S 5V/SENSOR 5V line):
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connector.

Climate control unit connector B (12P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
Repair a short to ground in the S 5V/SENSOR 5V wire.

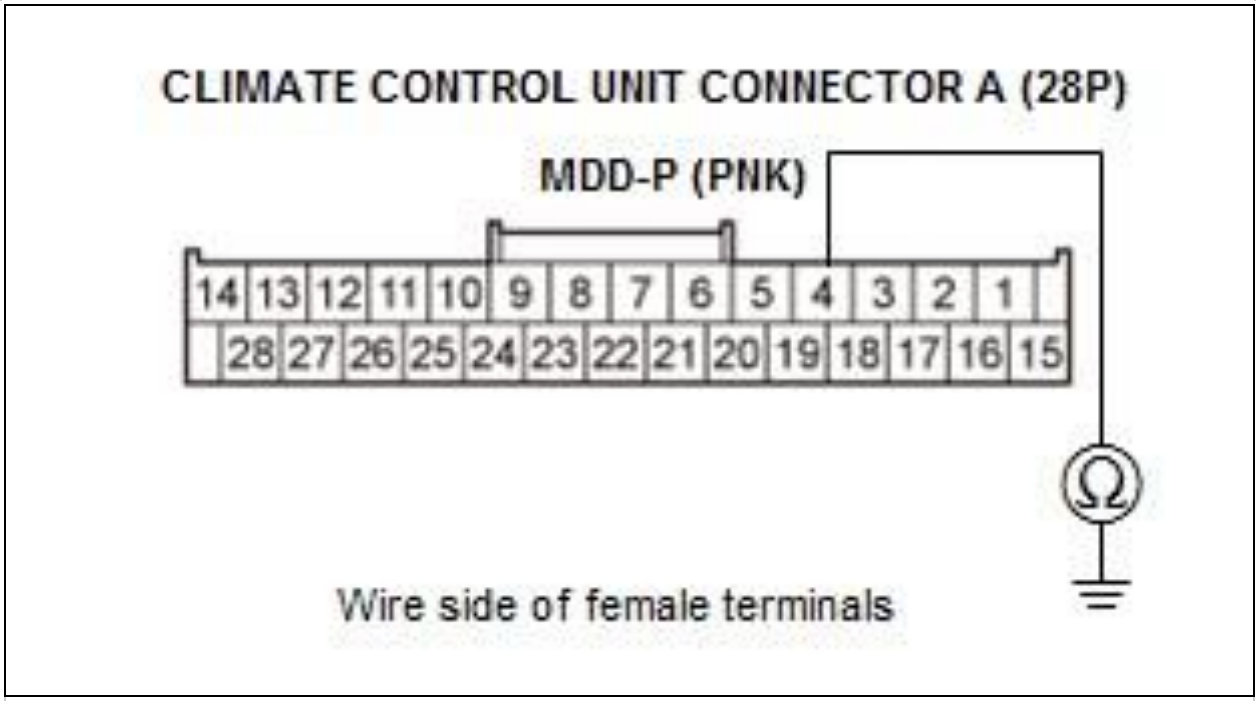
NO
Replace the climate control unit .

6. Shorted wire check (MDD-P/MODE MOTOR P line):
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connector.

Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MDD-P
Test point 1	Climate control unit connector A (28P) No. 4 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
Repair a short to ground in the MDD-P/MODE MOTOR P wire.

NO
Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1220 (56): A SHORT IN THE RECIRCULATION CONTROL MOTOR CIRCUIT (2013-15)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1220 A Short in the recirculation control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1220 A short in the recirculation control motor circuit	

   Is DTC B1220 or 56 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

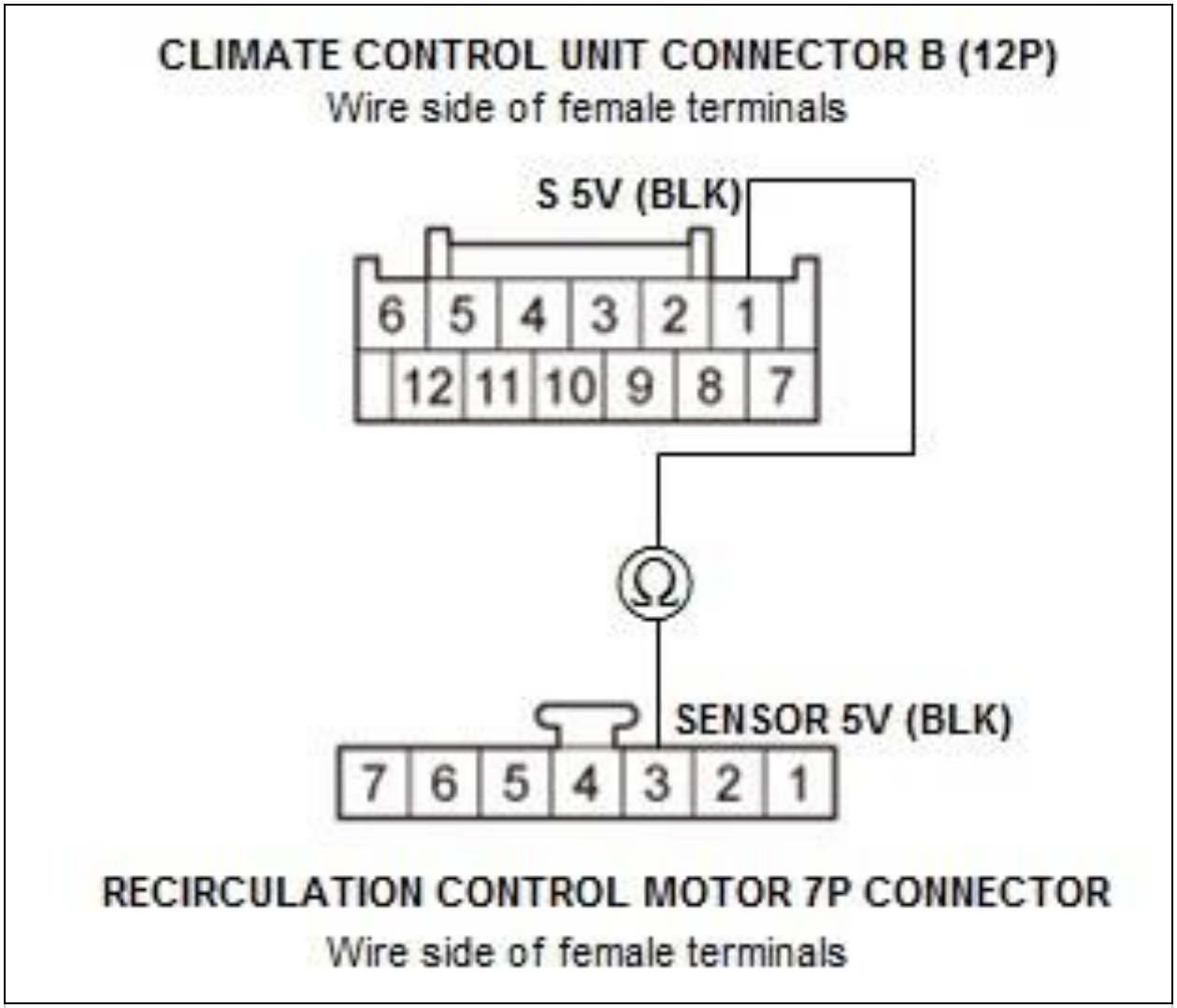
2. Open wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector B (12P)
Recirculation control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	S 5V/SENSOR 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)

Test point 2	Recirculation control motor 7P connector No. 3 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The S 5V/SENSOR 5V wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the recirculation control motor.

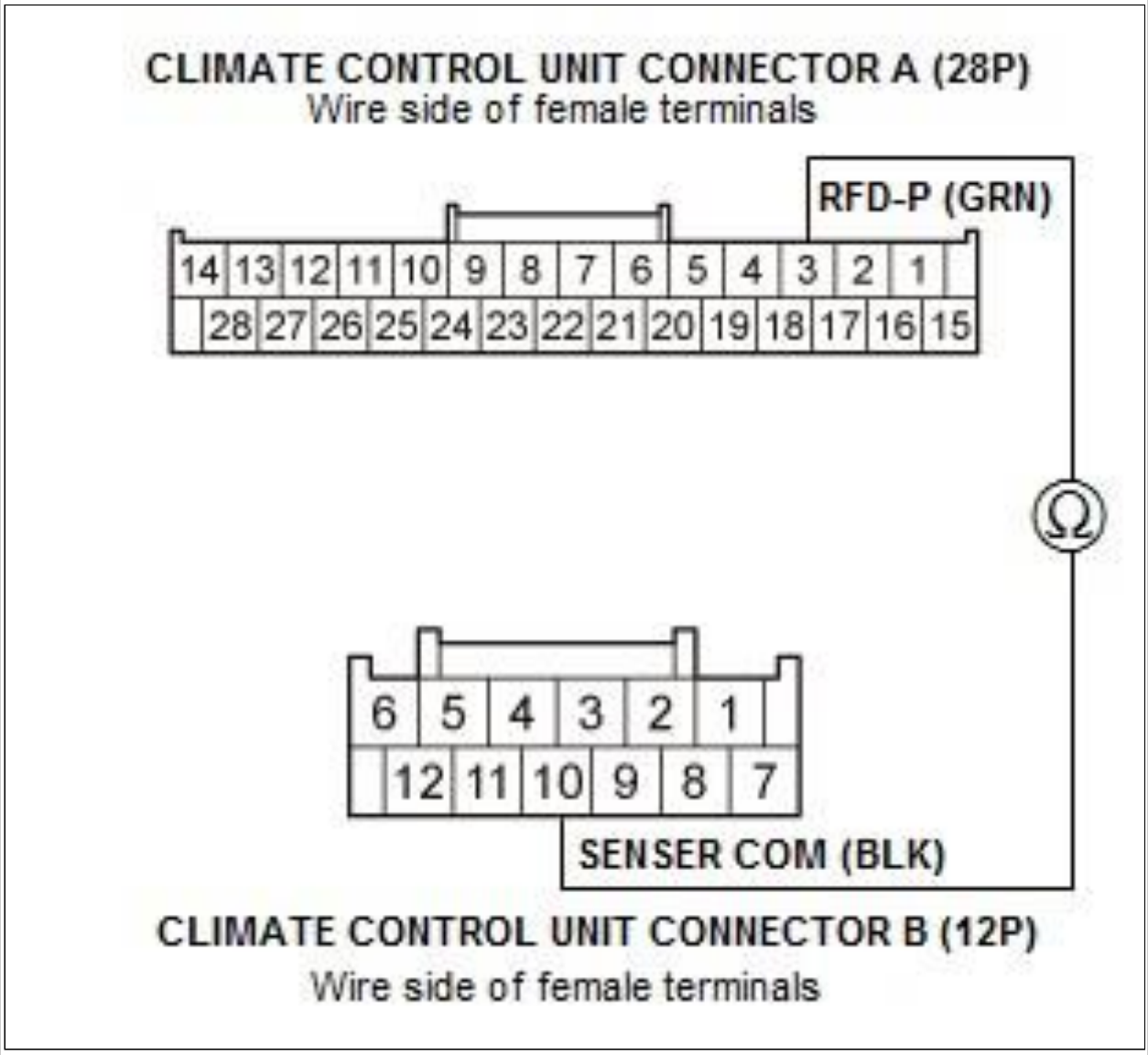
3. Shorted wire check (RFD-P/FR MOTOR P line to SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector A (28P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected

Test circuit	RFD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the recirculation control motor.

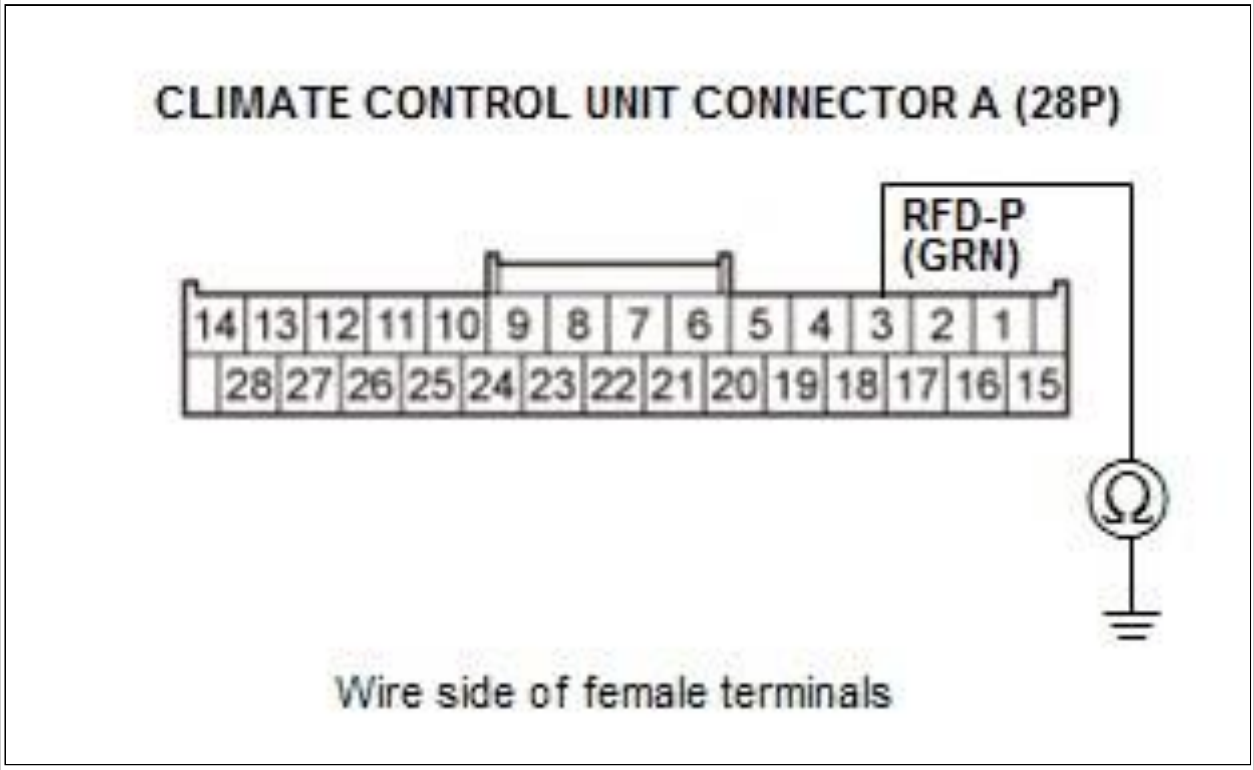
NO

The RFD-P/FR MOTOR P wire to SENSOR COM/SENSOR COM wire are not shorted. Go to step 4.

4. Shorted wire check (RFD-P/FR MOTOR P line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	RFD-P
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the recirculation control motor.

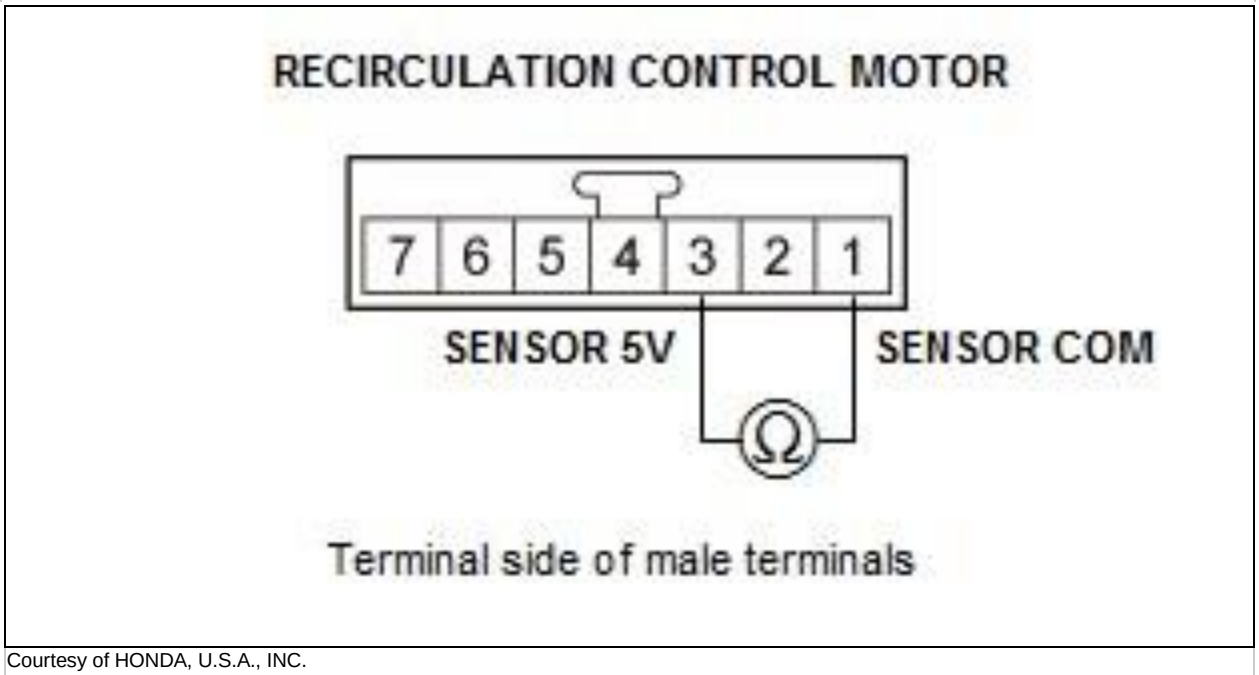
NO

The RFD-P/FR MOTOR P wire is OK. Go to step 5.

5. Recirculation control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Recirculation control motor No. 1
Test point 2	Recirculation control motor No. 3



Courtesy of HONDA, U.S.A., INC.

Is there resistance 6 kΩ±1.8 kΩ?

YES

Go to step 6.

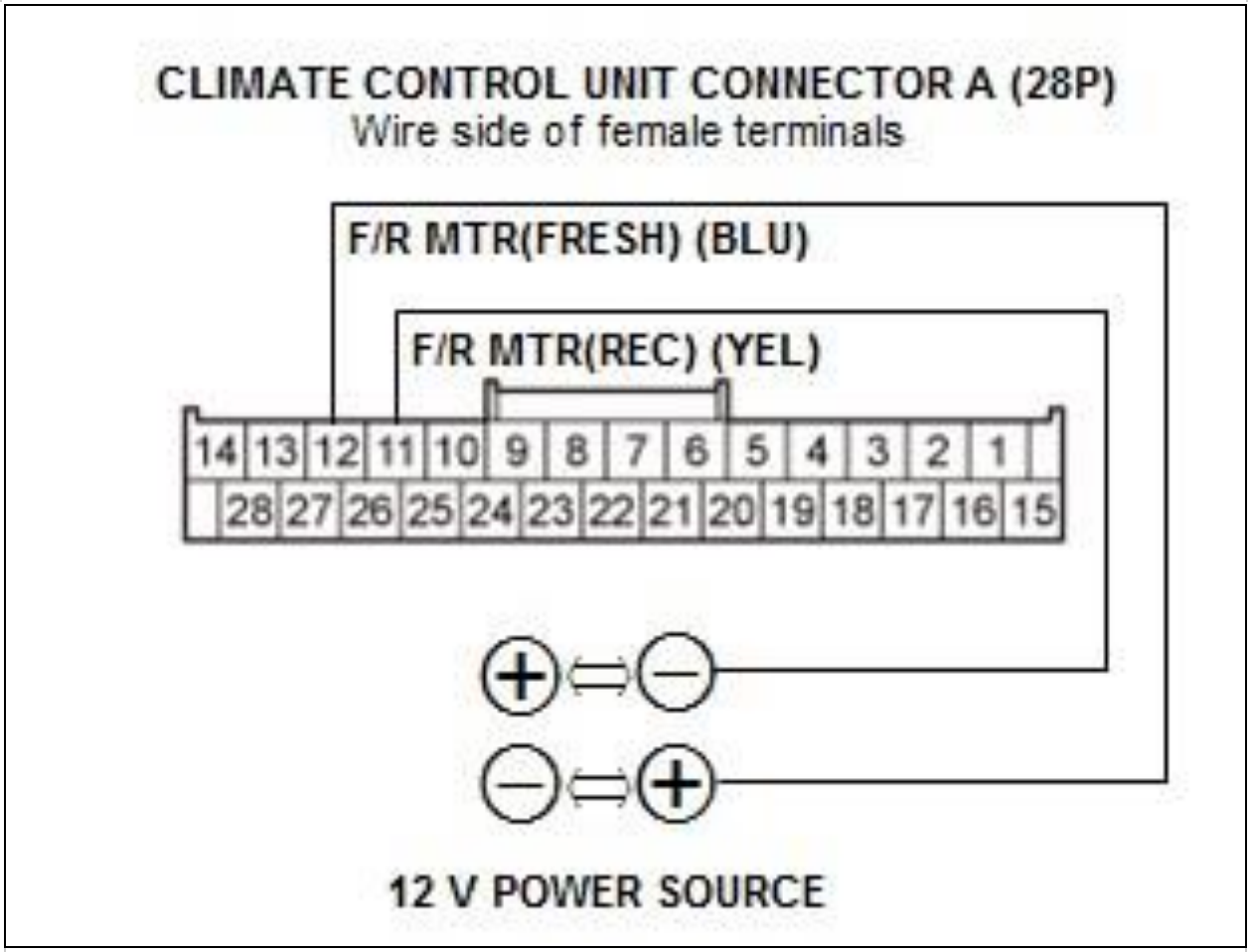
NO

Replace the recirculation control motor .

6. Recirculation control motor internal resistance check (RFD-P and SENSER COM): Reconnect the recirculation control motor 7P connector .
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 11 (YEL)
Terminal B	Climate control unit connector A (28P) No. 12 (BLU)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



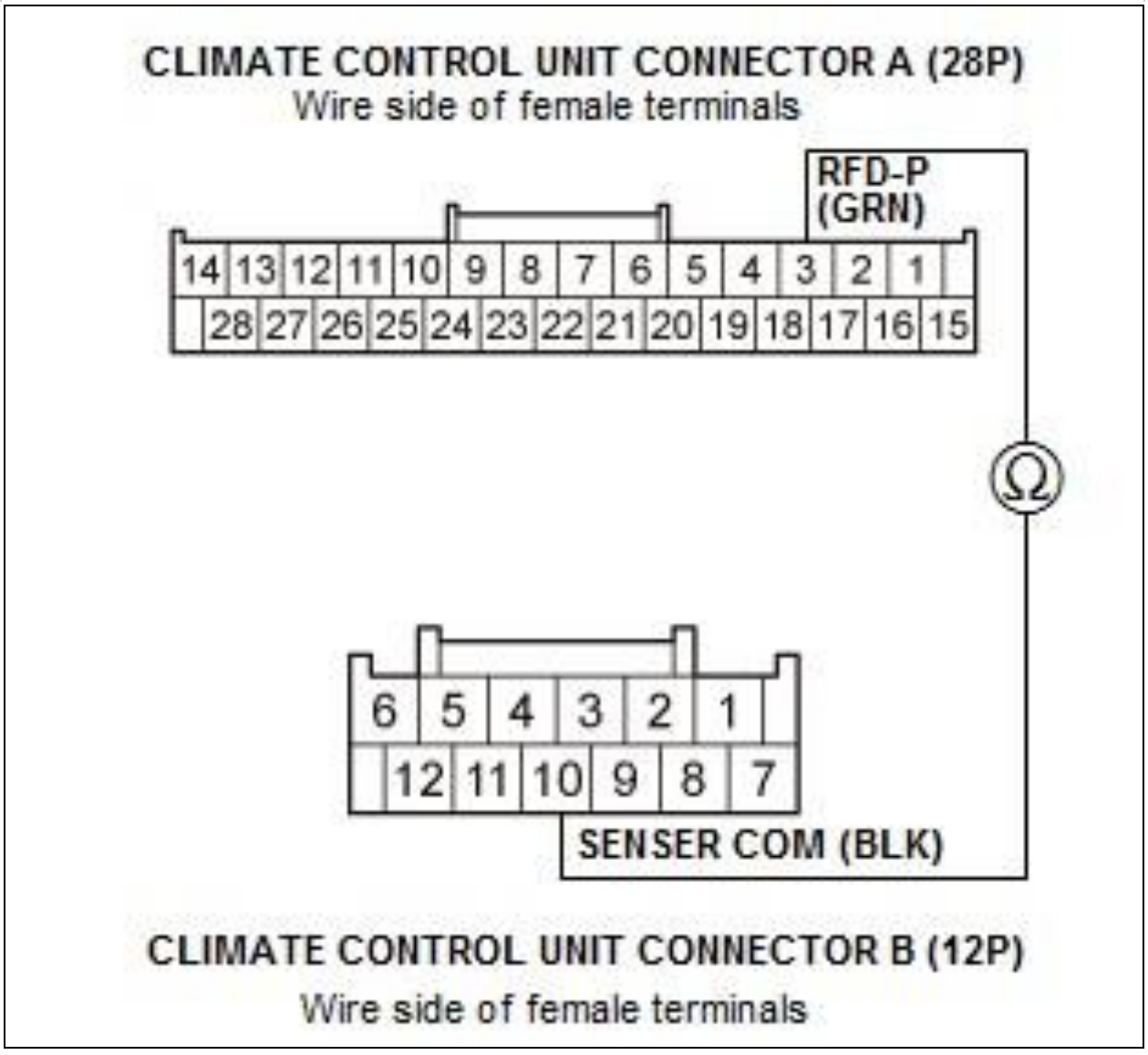
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
Test circuit	RFD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)

NOTE: Continuity between RFD-P and SENSOR COM may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the recirculation control motor .

DTC TROUBLESHOOTING > DTC B1220 (C-A5), B1220 (56): A SHORT IN THE RECIRCULATION CONTROL MOTOR CIRCUIT (2016-18)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1220 A short in the recirculation control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1220 A short in the recirculation control motor circuit	

   Is DTC B1220, Error on the DTC screen C-A5 (with navigation), or 56 (without navigation) indicated?

   YES

   Go to step 2.

   NO

   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

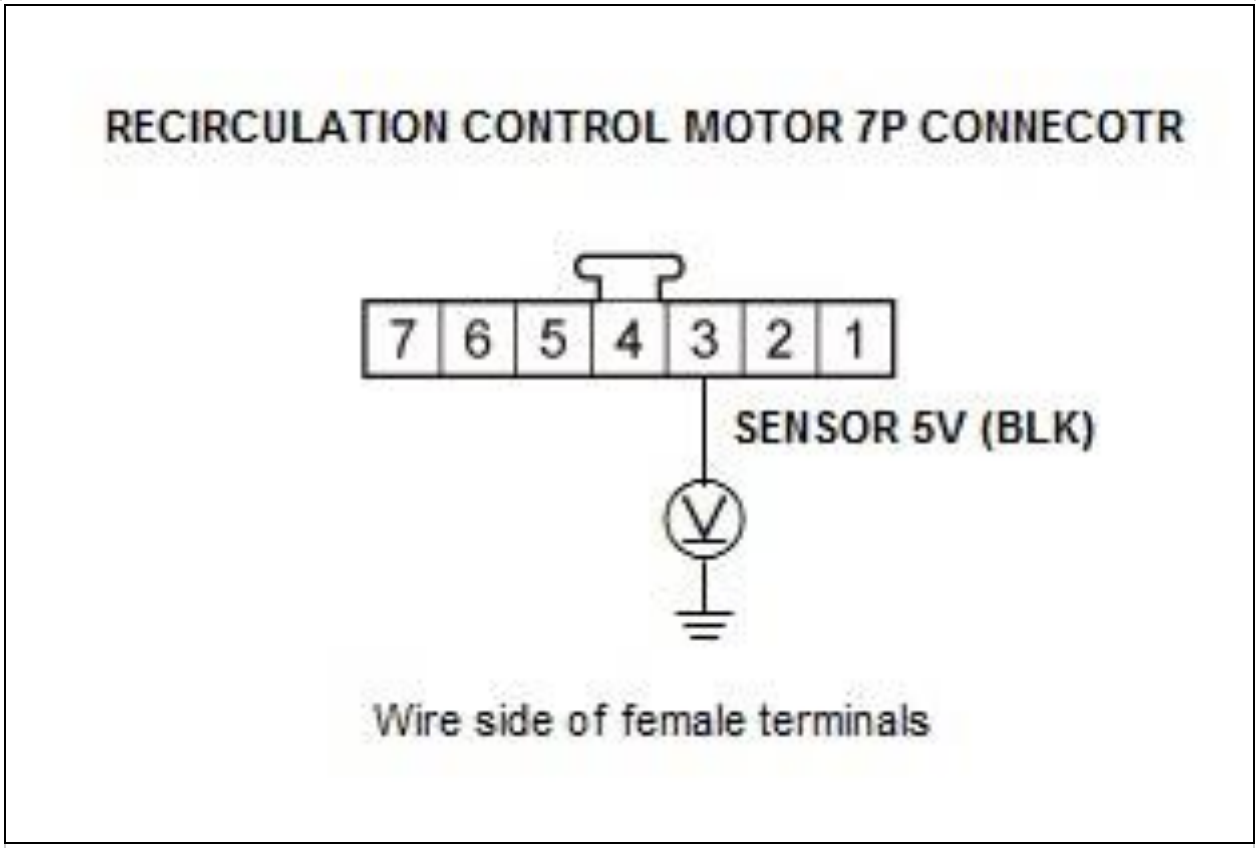
2. Determine possible failure area (S 5V/SENSOR 5V line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Recirculation control motor 7P connector

   - 3. Press the engine start/stop button to select the ON mode.- 4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	SENSOR 5V

Test point 1	Recirculation control motor 7P connector No. 3 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

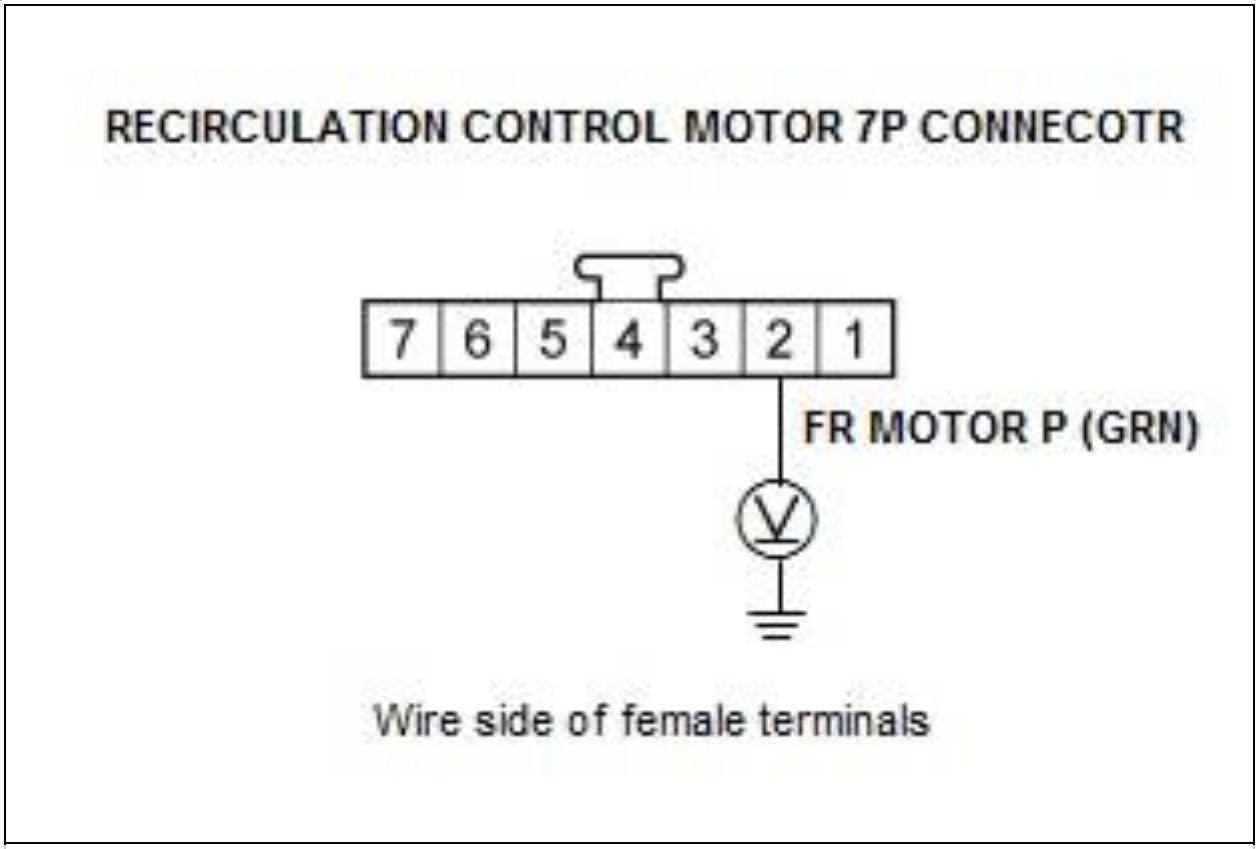
The S 5V/SENSOR 5V wire is OK. Go to step 3.

NO

Go to step 4.

3. Determine possible failure area (recirculation control motor, others): Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	FR MOTOR P
Test point 1	Recirculation control motor 7P connector No. 2 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

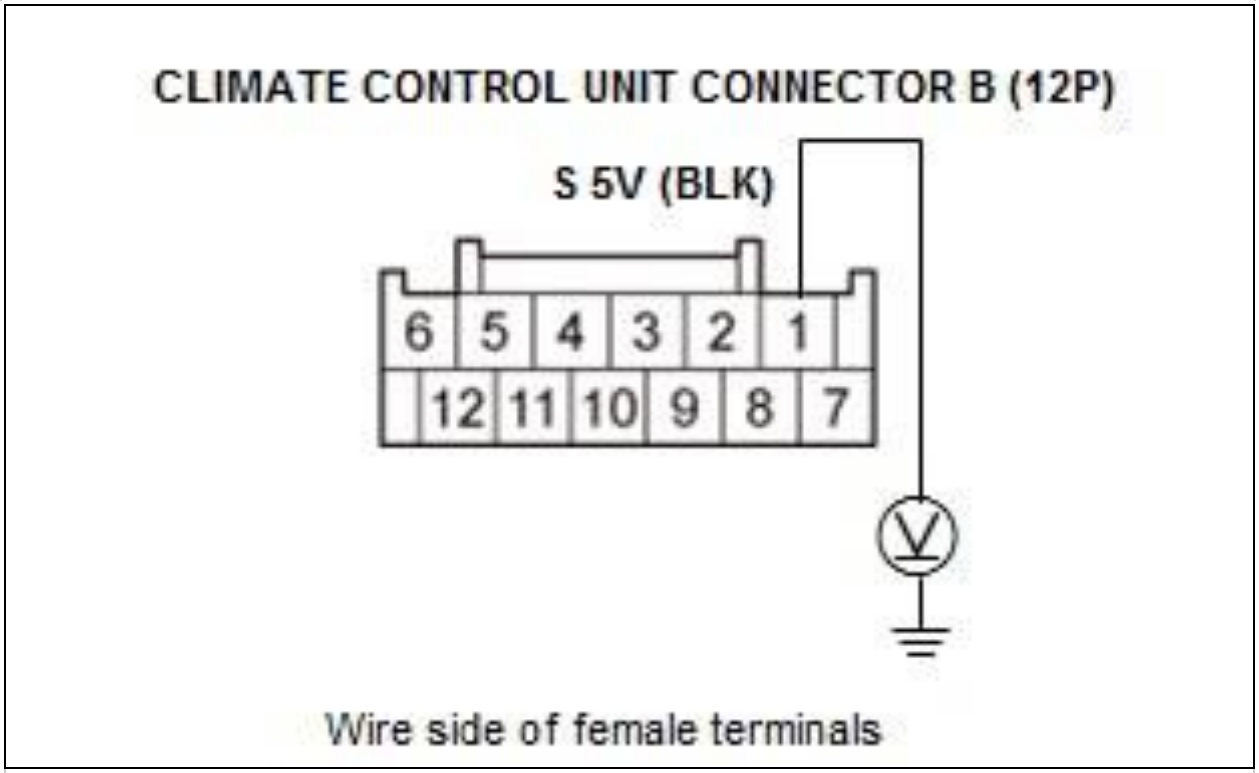
Is there about 5 V?

YES

Replace the recirculation control motor .
NO
Go to step 6.

4. Open wire check (S 5V/SENSOR 5V line):
Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?
YES

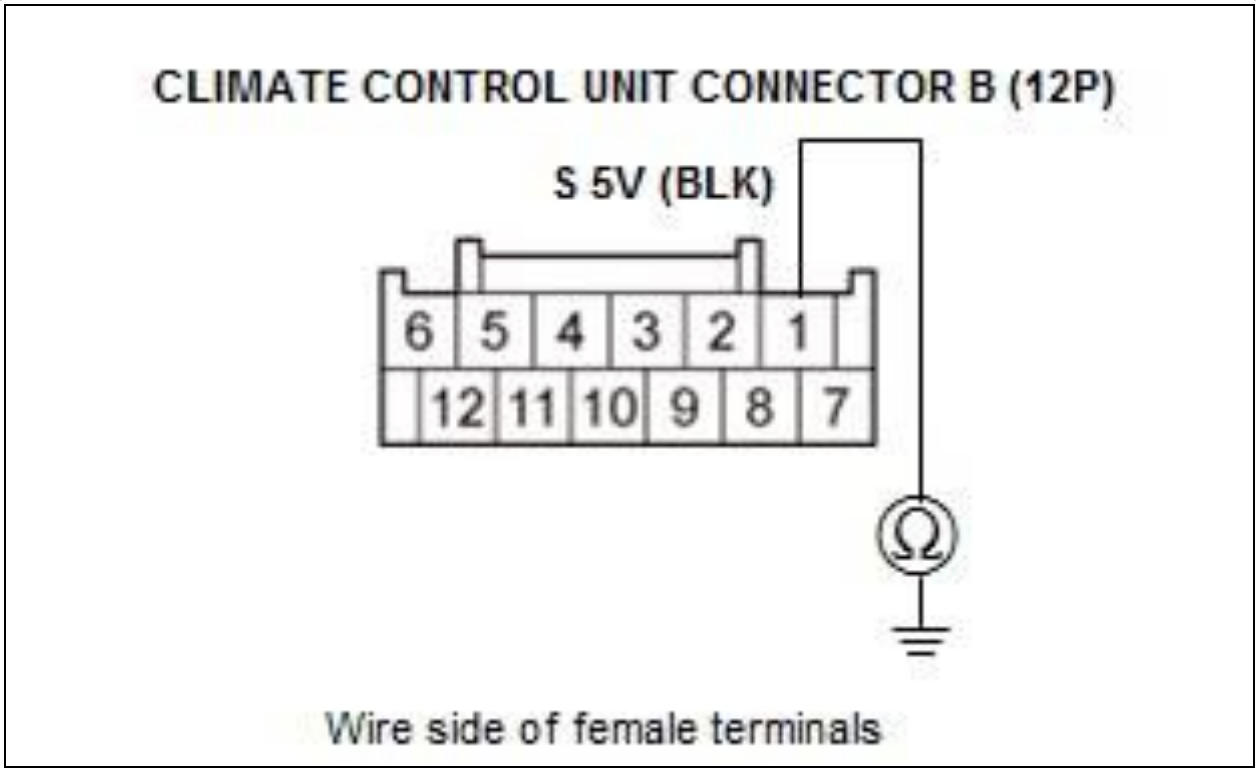
Repair an open in the S5V/SENSOR 5V wire.
NO
Go to step 5.

5. Shorted wire check (S 5V/SENSOR 5V line):
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connector.

Climate control unit connector B (12P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the S 5V/SENSOR 5V wire.

NO

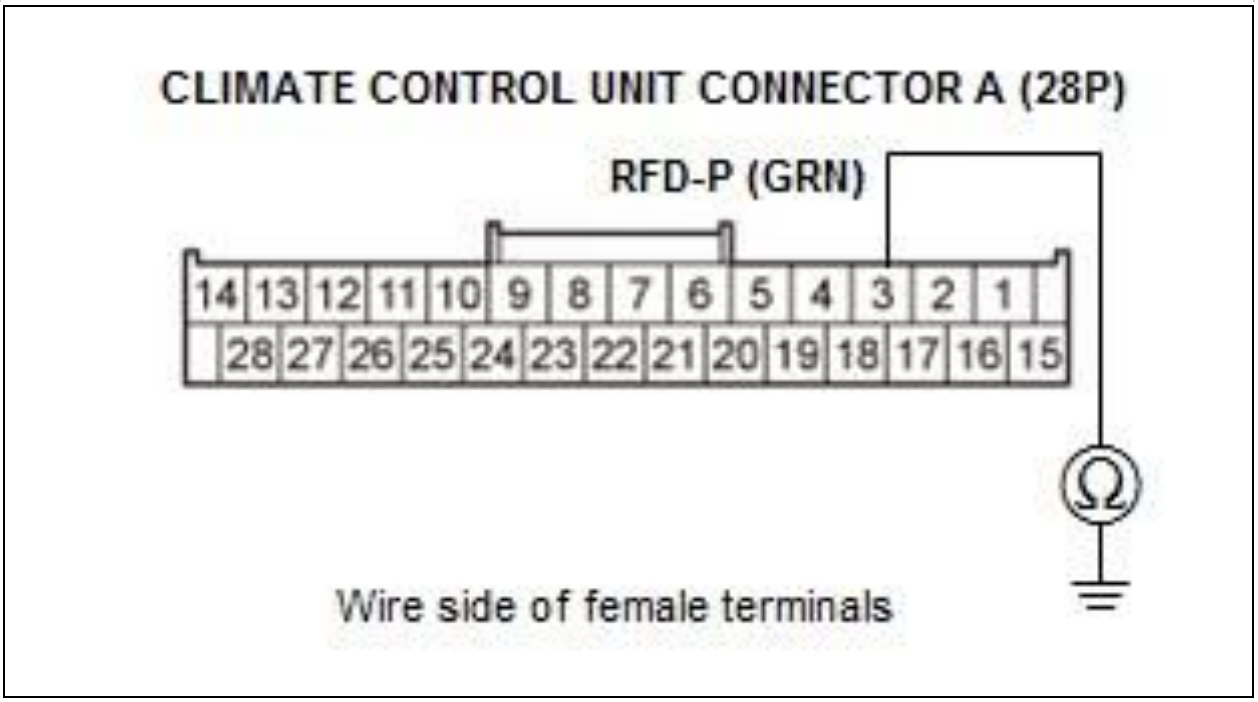
Replace the climate control unit .

6. Shorted wire check (RFD-P/FR MOPTOR P line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	RFD-P
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the RFD-P/FR MOPTOR P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1225 (03): AN OPEN IN THE IN-CAR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1225 An open in the in-car temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1225 An open in the in-car temperature sensor circuit	

   Is DTC B1225 or 03 indicated?

   YES

   Go to step 2.

   NO

   Intermittent failure. Check for loose wires or poor connections on the in-car temperature sensor circuit.

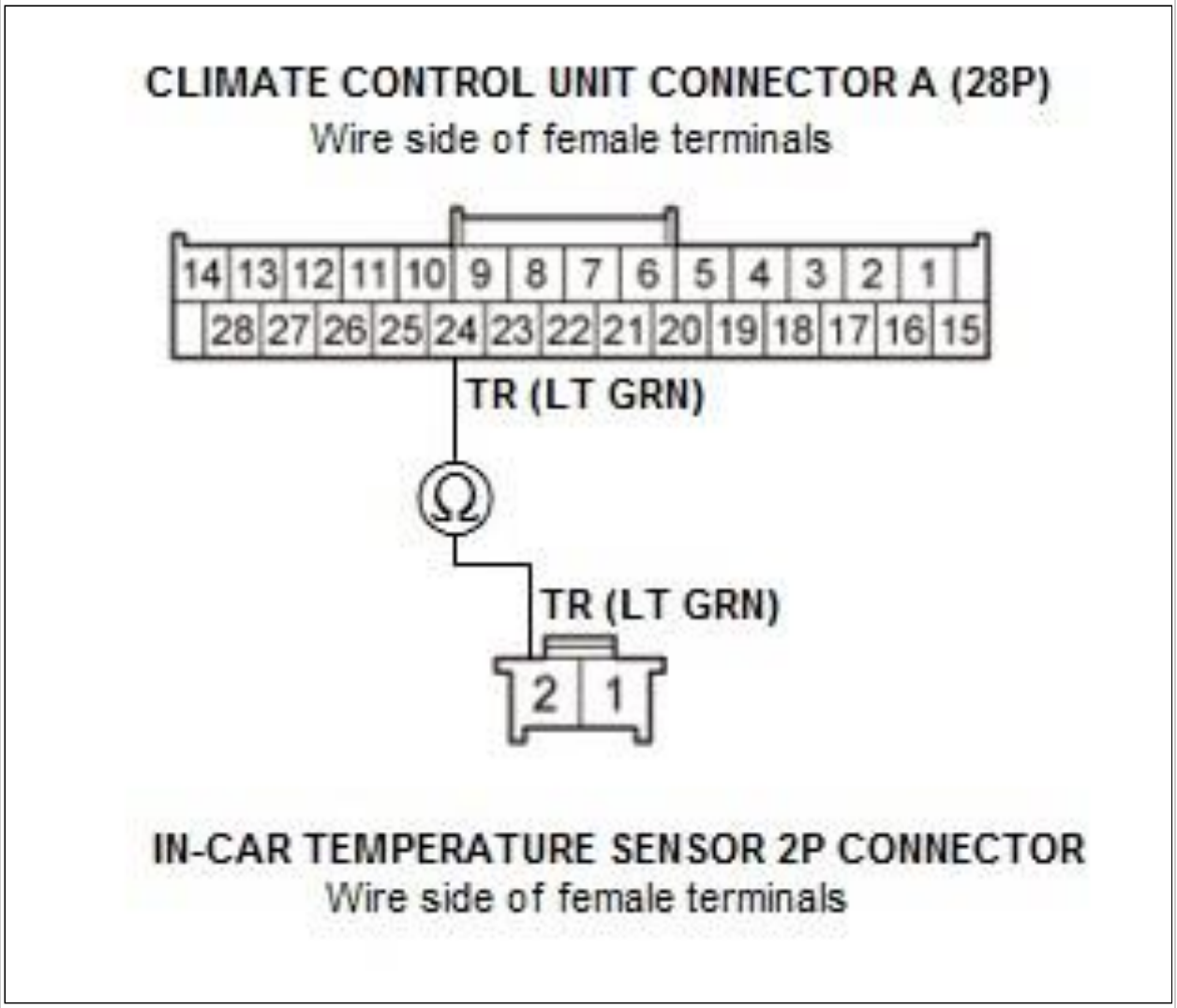
2. Open wire check (TR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
In-car temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	In-car temperature sensor 2P connector: disconnected

Test circuit	TR
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	In-car temperature sensor 2P connector No. 2 (LT GRN)



Courtesy of HONDA, U.S.A., INC.

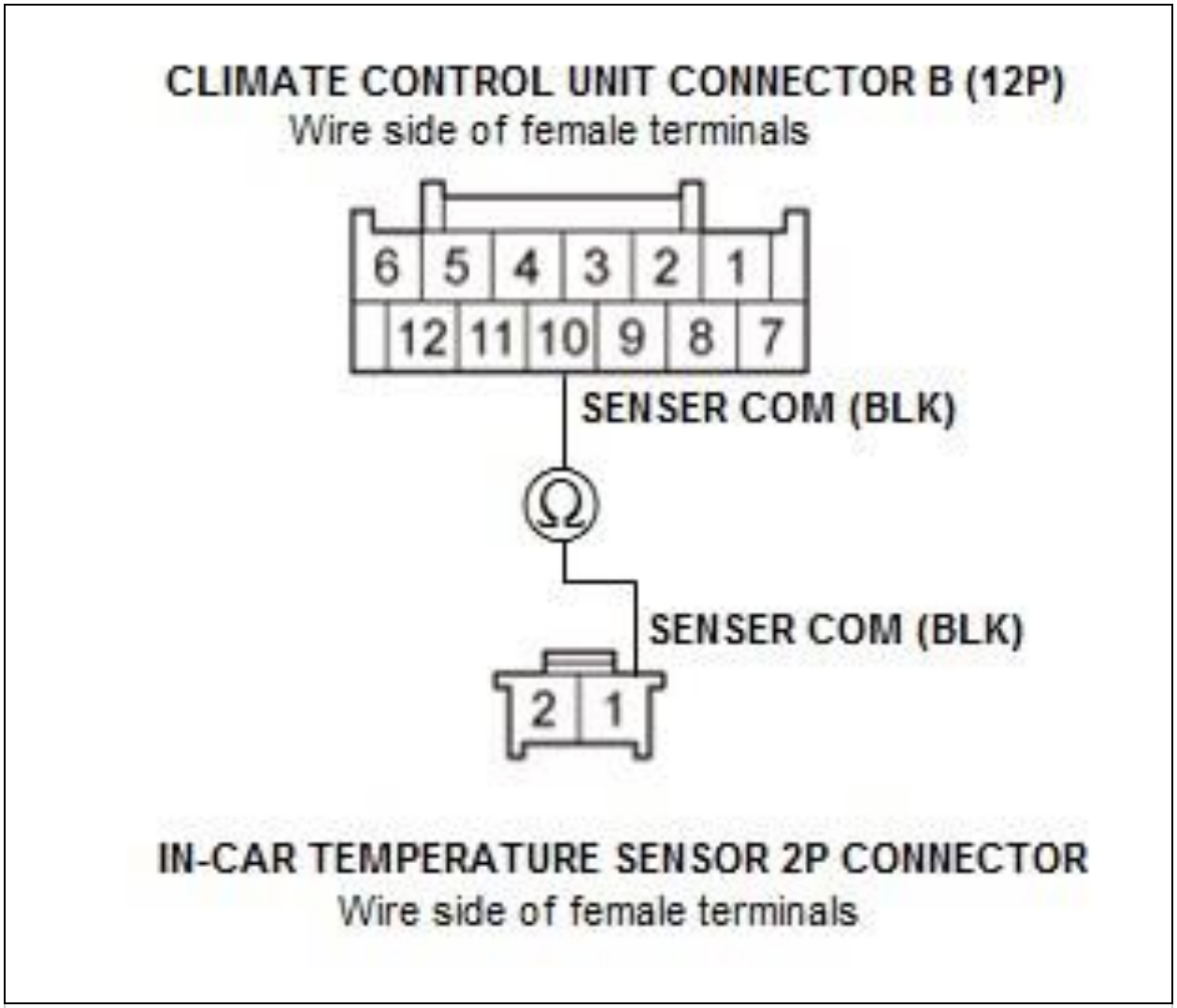
Is there continuity?
YES
The TR wire is not opened. Go to step 3.
NO
Repair an open in the wire between the climate control unit and the in-car temperature sensor.

3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	In-car temperature sensor 2P connector No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM wire is OK. Go to step 4.

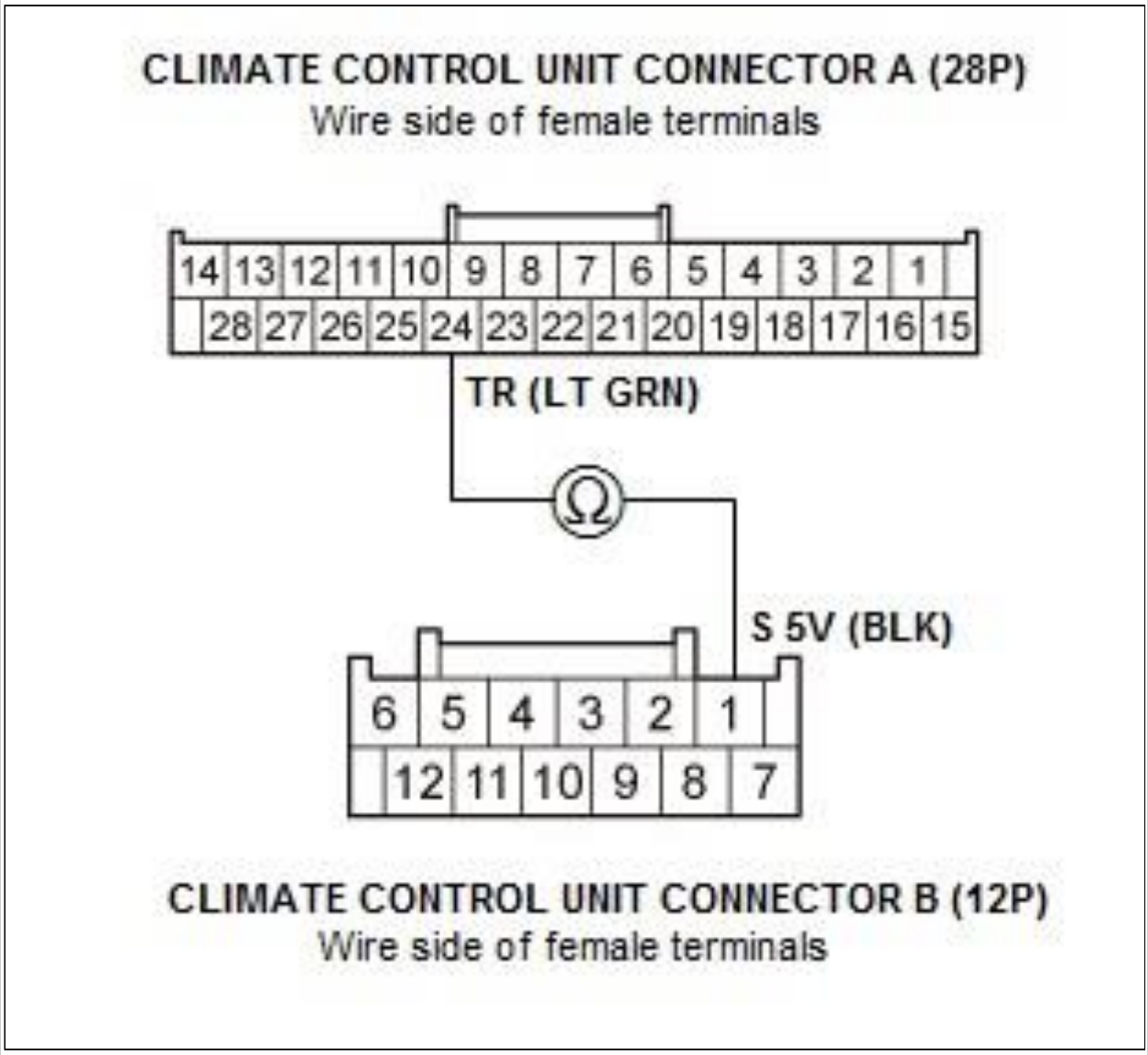
NO

Repair an open in the wire between the climate control unit and the in-car temperature sensor.

4. Shorted wire check (TR line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR, S 5V

Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the in-car temperature sensor.

NO

The TR wire and S5V/SENSOR 5V wire are OK. Go to step 5.

5. In-car temperature sensor check:

   Test the in-car temperature sensor .

   Is the in-car temperature sensor OK?

   YES

   Replace the climate control unit .

   NO

   Replace the in-car temperature sensor .

DTC TROUBLESHOOTING > DTC B1225 (A-B1), B1225 (03): AN OPEN IN THE IN-CAR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1225 An open in the in-car temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1225 An open in the in-car temperature sensor circuit	

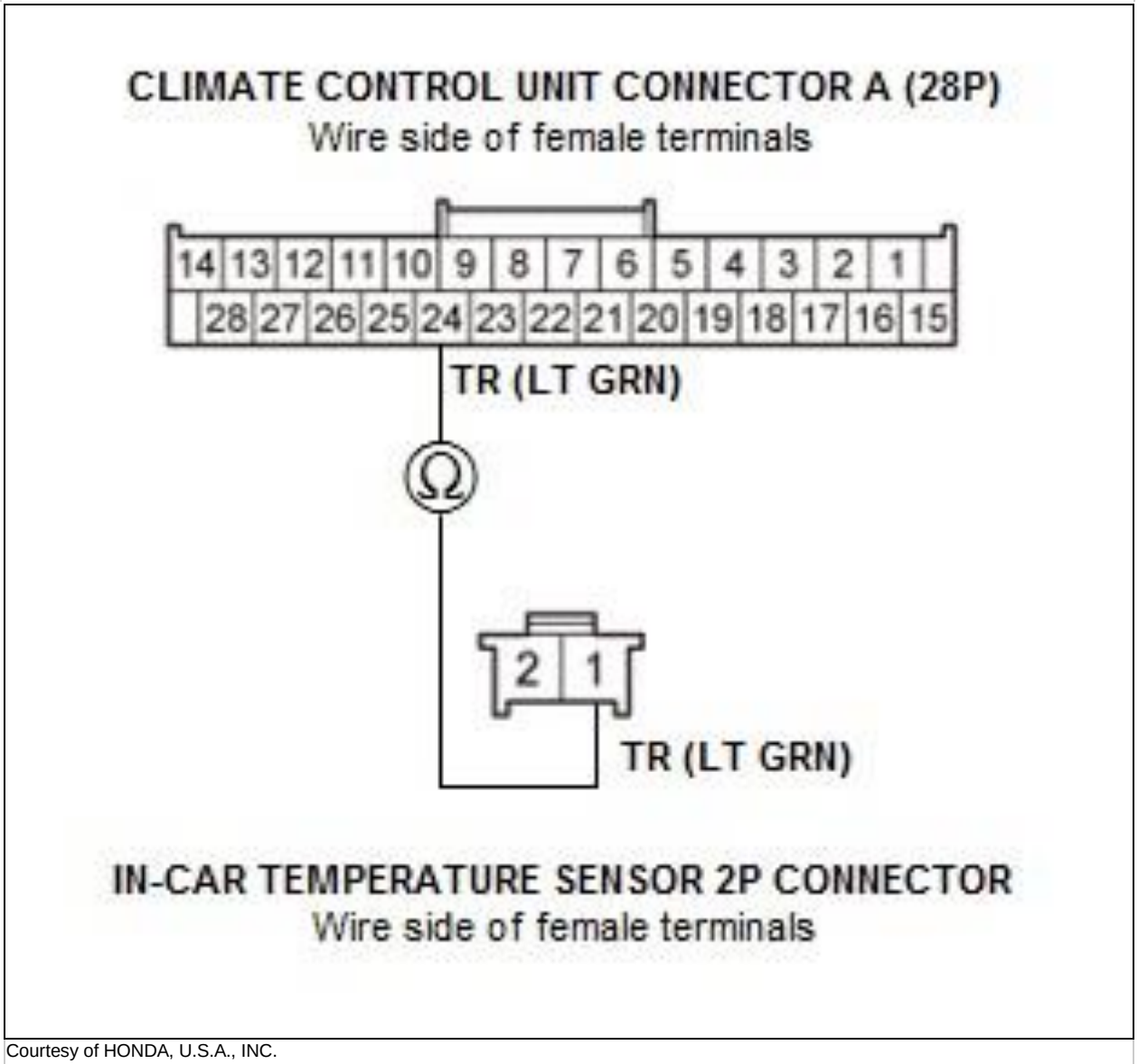
   Is DTC B1225, Error on the DTC screen A-B1 (with navigation), or 03 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the in-car temperature sensor circuit.

2. Open wire check (TR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
In-car temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	In-car temperature sensor 2P connector No. 1 (LT GRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TR wire is not open. Go to step 3.

NO

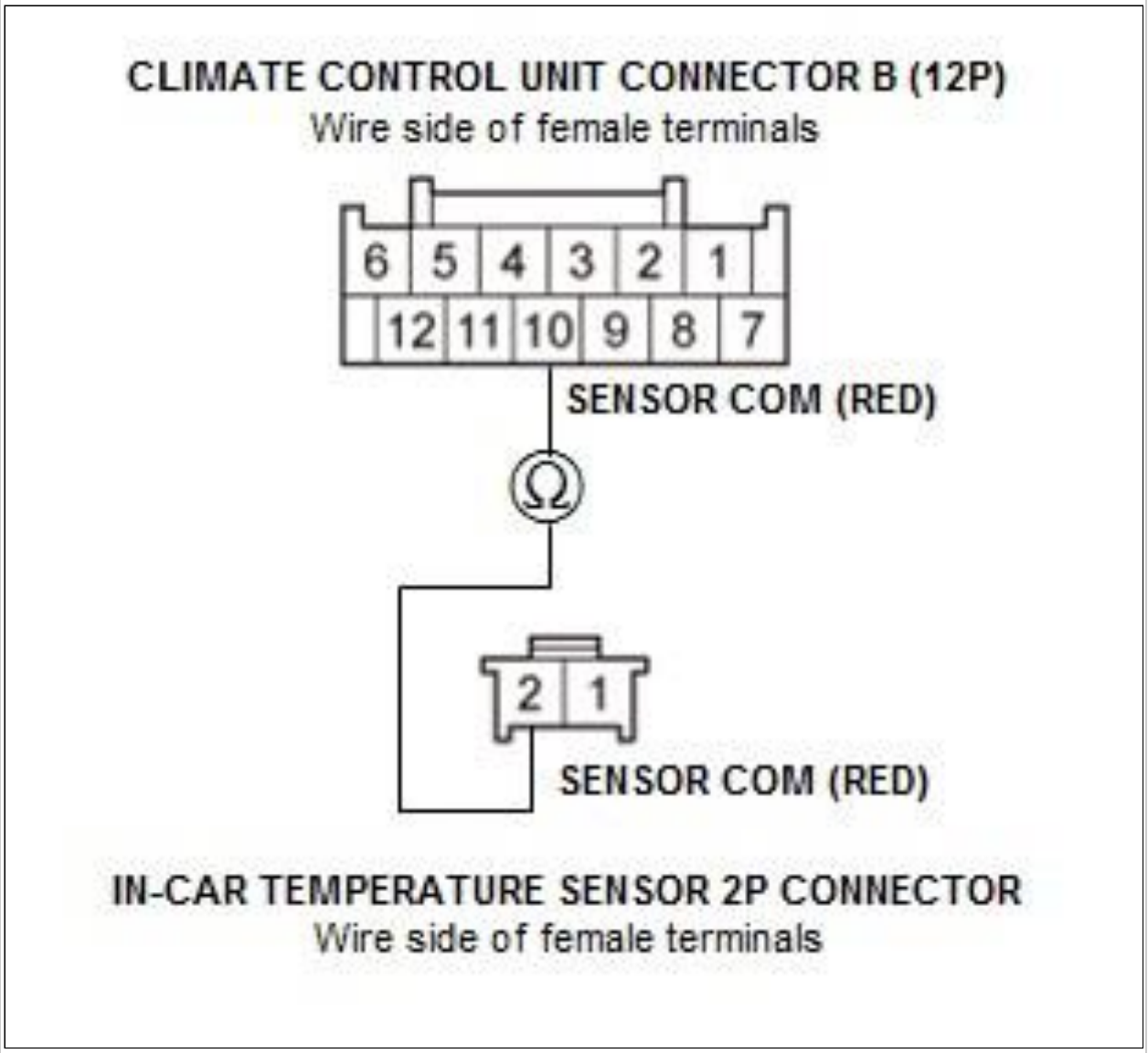
Repair an open in the TR wire.

3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (RED)
Test point 2	In-car temperature sensor 2P connector No. 2 (RED)

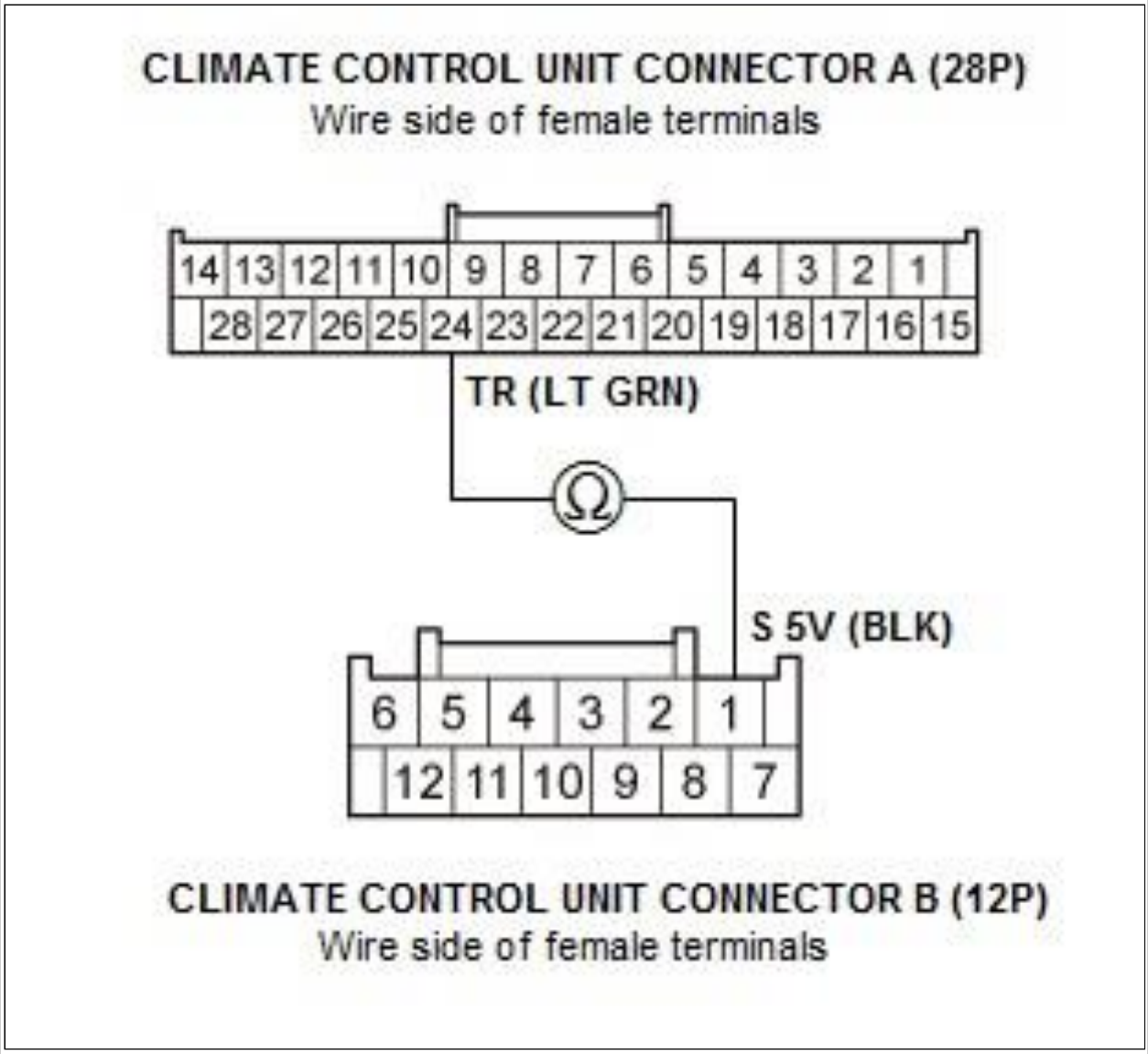


Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
The SENSOR COM wire is OK. Go to step 4.
NO
Repair an open in the SENSOR COM wire.

4. Shorted wire check (TR line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR, S 5V
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TR wire to S 5V/SENSOR 5V wire.

NO

The TR wire to S5V/SENSOR 5V wire are OK. Go to step 5.

5. In-car temperature sensor check:
   Test the in-car temperature sensor .
   Is the in-car temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the in-car temperature sensor .

DTC TROUBLESHOOTING > DTC B1226 (04): A SHORT IN THE IN-CAR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1226 A short in the in-car temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1226 A short in the in-car temperature sensor circuit	

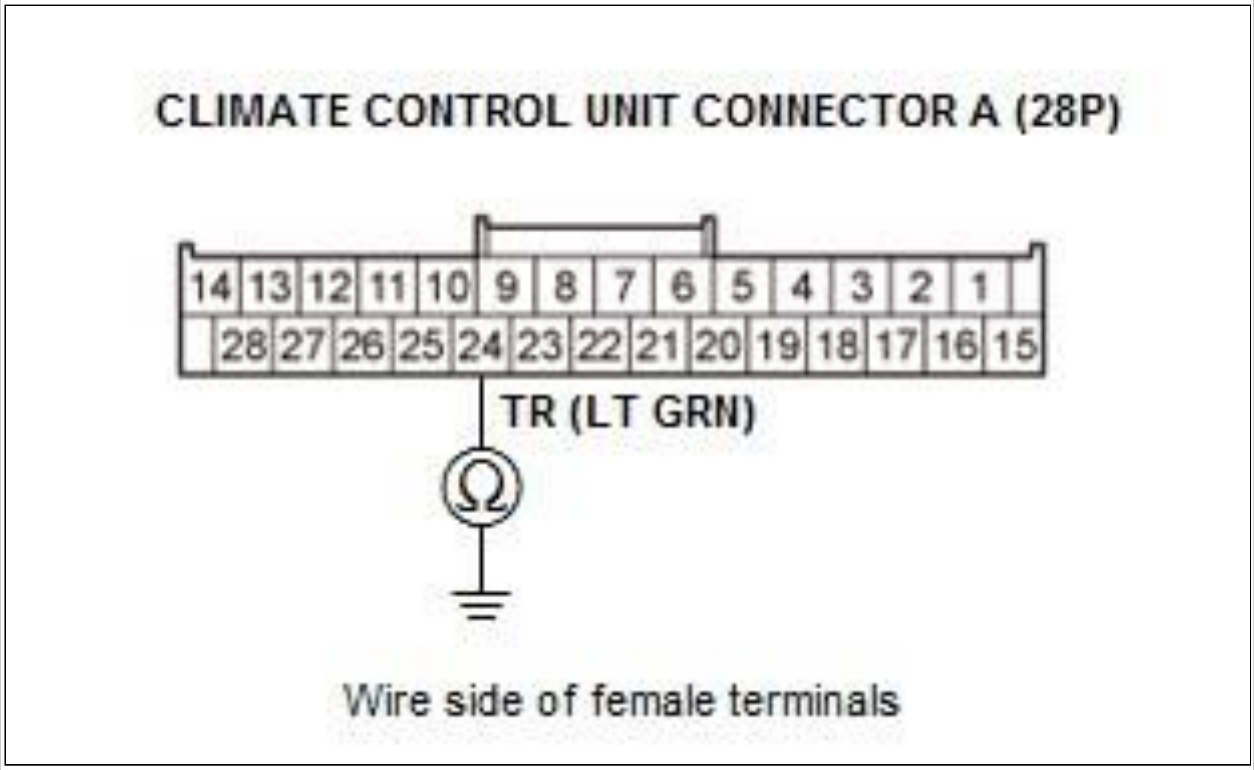
   Is DTC B1226 or 04 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the in-car temperature circuit.

2. Shorted wire check (TR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
In-car temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the in-car temperature sensor.

NO

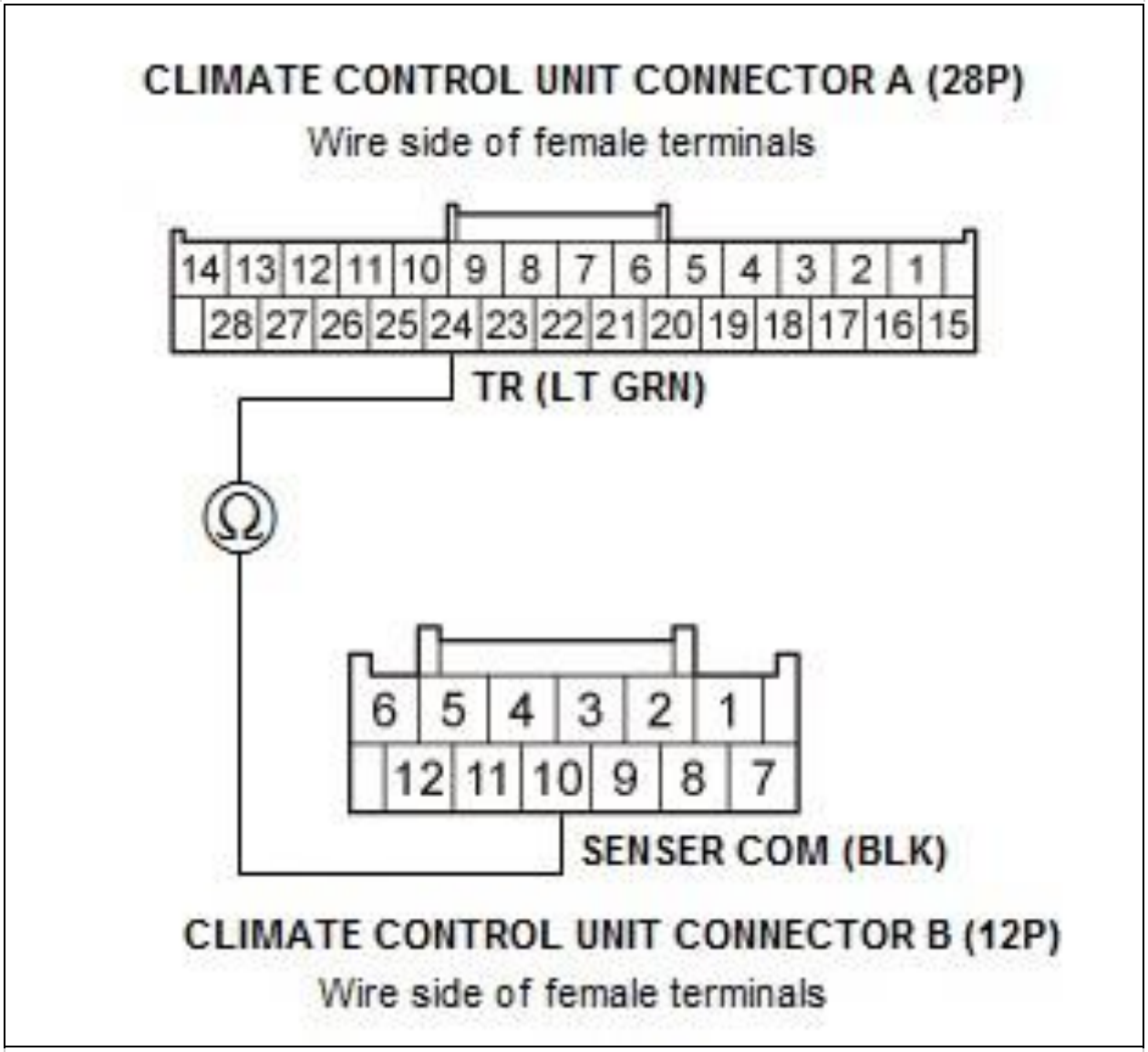
The TR wire is not shorted. Go to step 3.

3. Shorted wire check (TR line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the in-car temperature sensor.

NO

The TR wire and SENSOR COM wire are OK. Go to step 4.

4. In-car temperature sensor check:

   Test the in-car temperature sensor .

   Is the in-car temperature sensor OK?

   YES

   Replace the climate control unit .

   NO

   Replace the in-car temperature sensor .

DTC TROUBLESHOOTING > DTC B1226 (A-B2), B1226 (04): A SHORT IN THE IN-CAR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1226 A short in the in-car temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1226 A short in the in-car temperature sensor circuit	

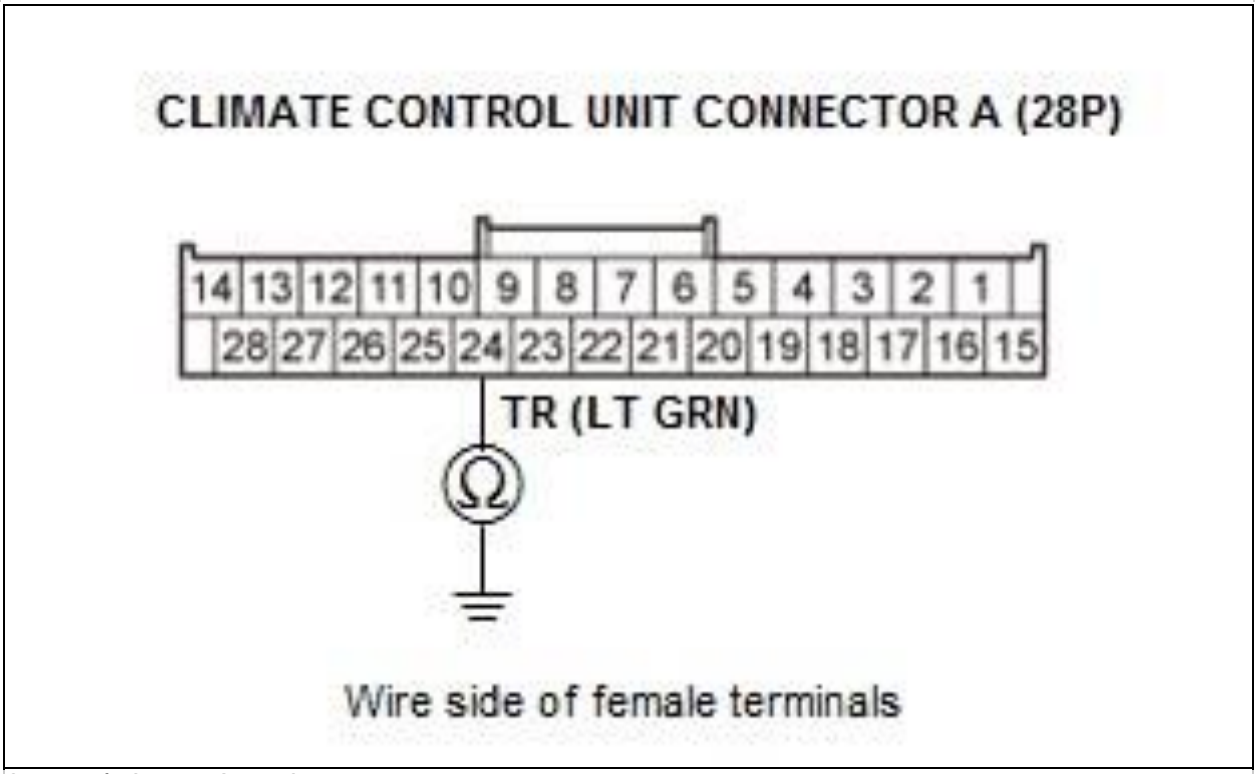
   Is DTC B1226, Error on the DTC screen A-B2 (with navigation), or 04 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the in-car temperature circuit.

2. Shorted wire check (TR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
In-car temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	In-car temperature sensor 2P connector: disconnected
Test circuit	TR
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the TR wire.

NO

The TR wire is not shorted. Go to step 3.

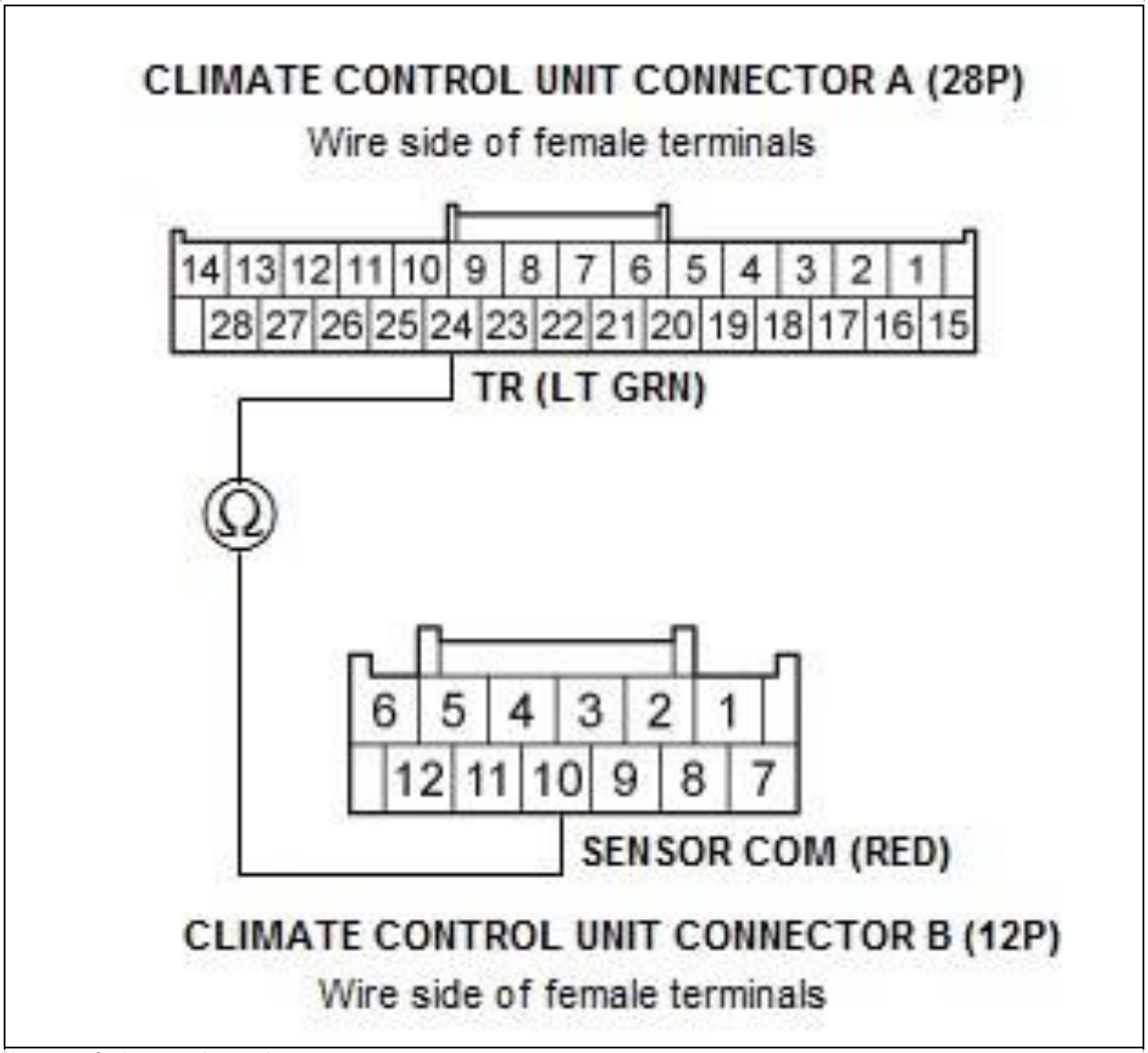
3. Shorted wire check (TR line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	In-car temperature sensor 2P connector: disconnected
Test circuit	TR, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 24 (LT GRN)
Test point 2	Climate control unit connector B (12P) No. 10 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TR wire to SENSOR COM wire.

NO

The TR wire to SENSOR COM wire are OK. Go to step 4.

4. In-car temperature sensor check:
   Test the in-car temperature sensor .
   Is the in-car temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the in-car temperature sensor .

DTC TROUBLESHOOTING > DTC B1227 (05): AN OPEN IN THE OUTSIDE AIR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1227 An open in the outside air temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1227 An open in the outside air temperature sensor circuit	

   Is DTC B1227 or 05 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the outside air temperature sensor circuit.

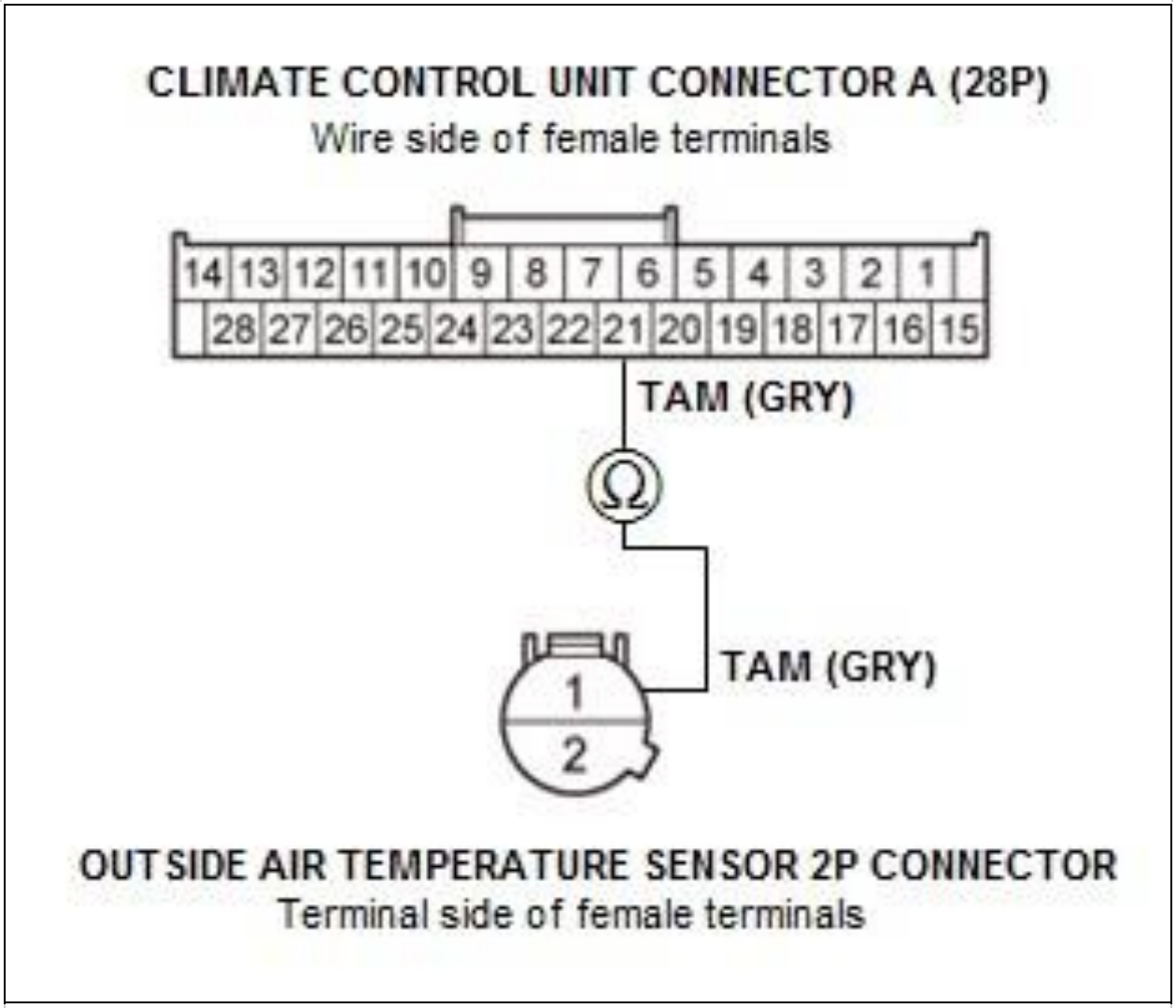
2. Open wire check (TAM line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Outside air temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Outside air temperature sensor 2P connector: disconnected

Test circuit	TAM
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Outside air temperature sensor 2P connector No. 1 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TAM wire is not opened. Go to step 3.

NO

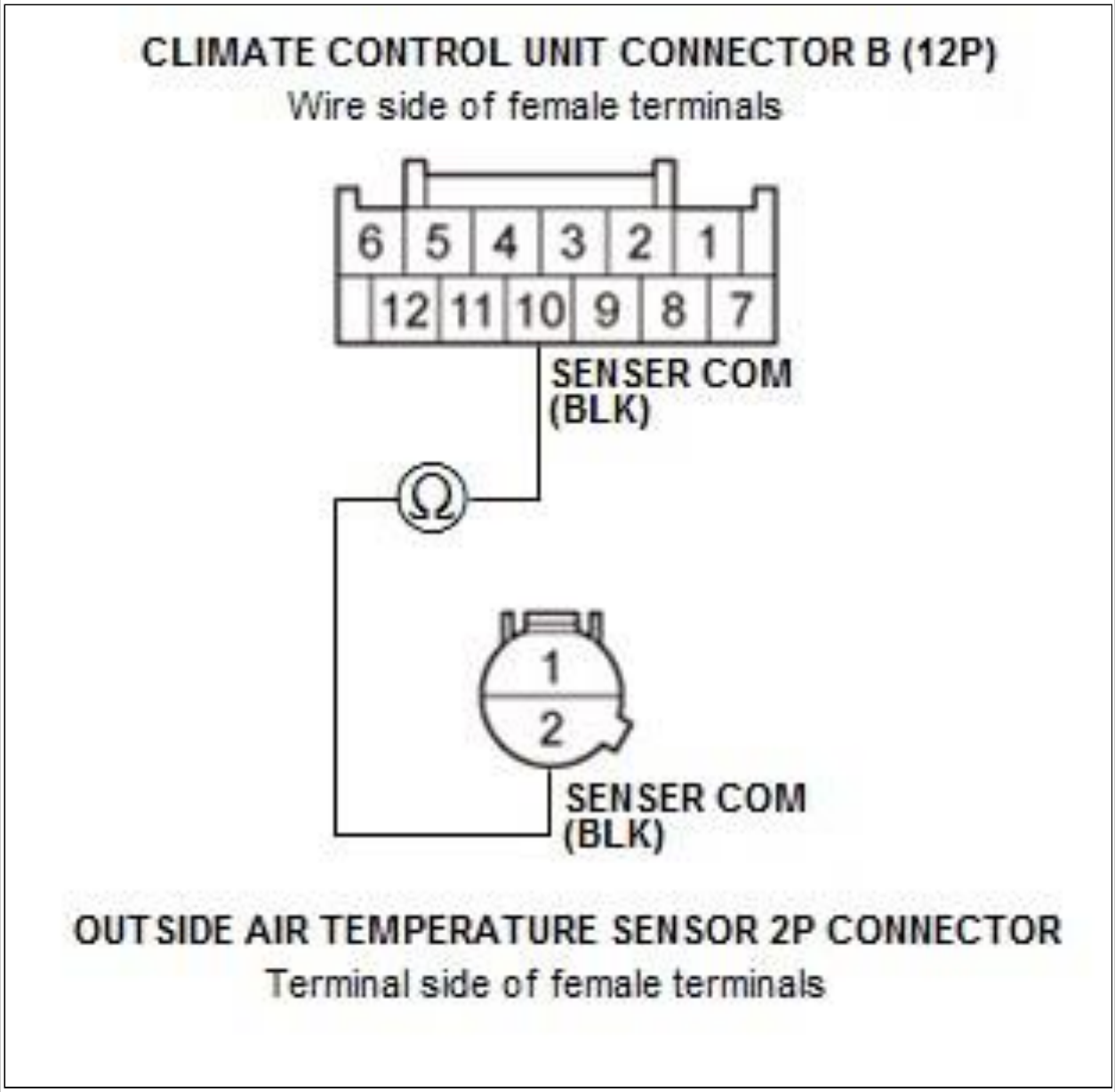
Repair an open in the wire between the climate control unit and the outside air temperature sensor.

3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Outside air temperature sensor 2P connector No. 2 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM wire is OK. Go to step 4.

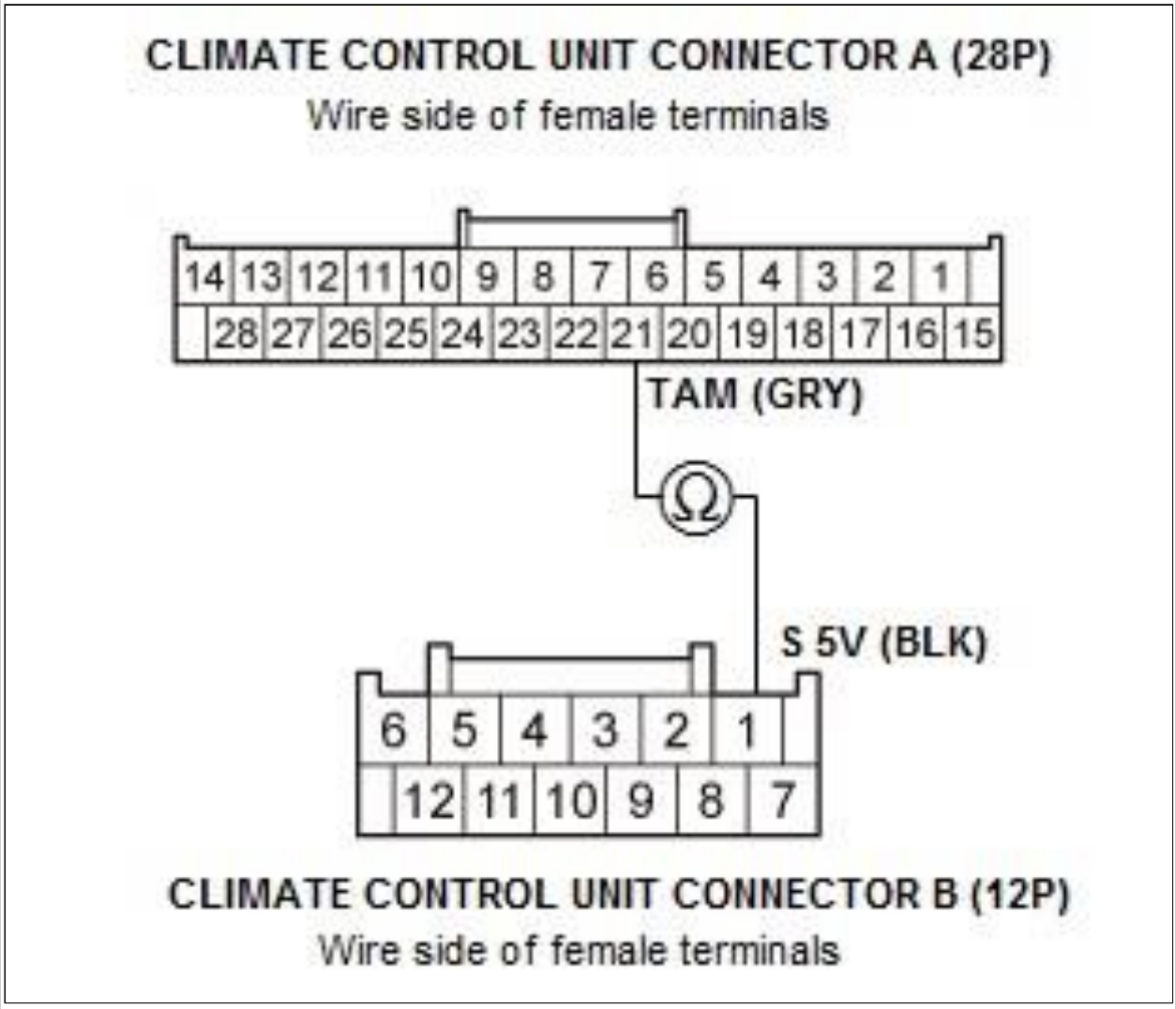
NO

Repair an open in the wire between the climate control unit and the outside air temperature sensor.

4. Shorted wire check (TAM line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM, S 5V
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
Repair a short in the wires between the climate control unit and the outside air temperature sensor.
NO
The TAM wire and S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Outside air temperature sensor check:
   Test the outside air temperature sensor .
   Is the outside air temperature sensor OK?
   YES
   Replace the climate control unit. .

NO
Replace the outside air temperature sensor .

DTC TROUBLESHOOTING > DTC B1227 (A-A1), B1227 (05): AN OPEN IN THE OUTSIDE AIR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1227 An open in the outside air temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1227 An open in the outside air temperature sensor circuit	

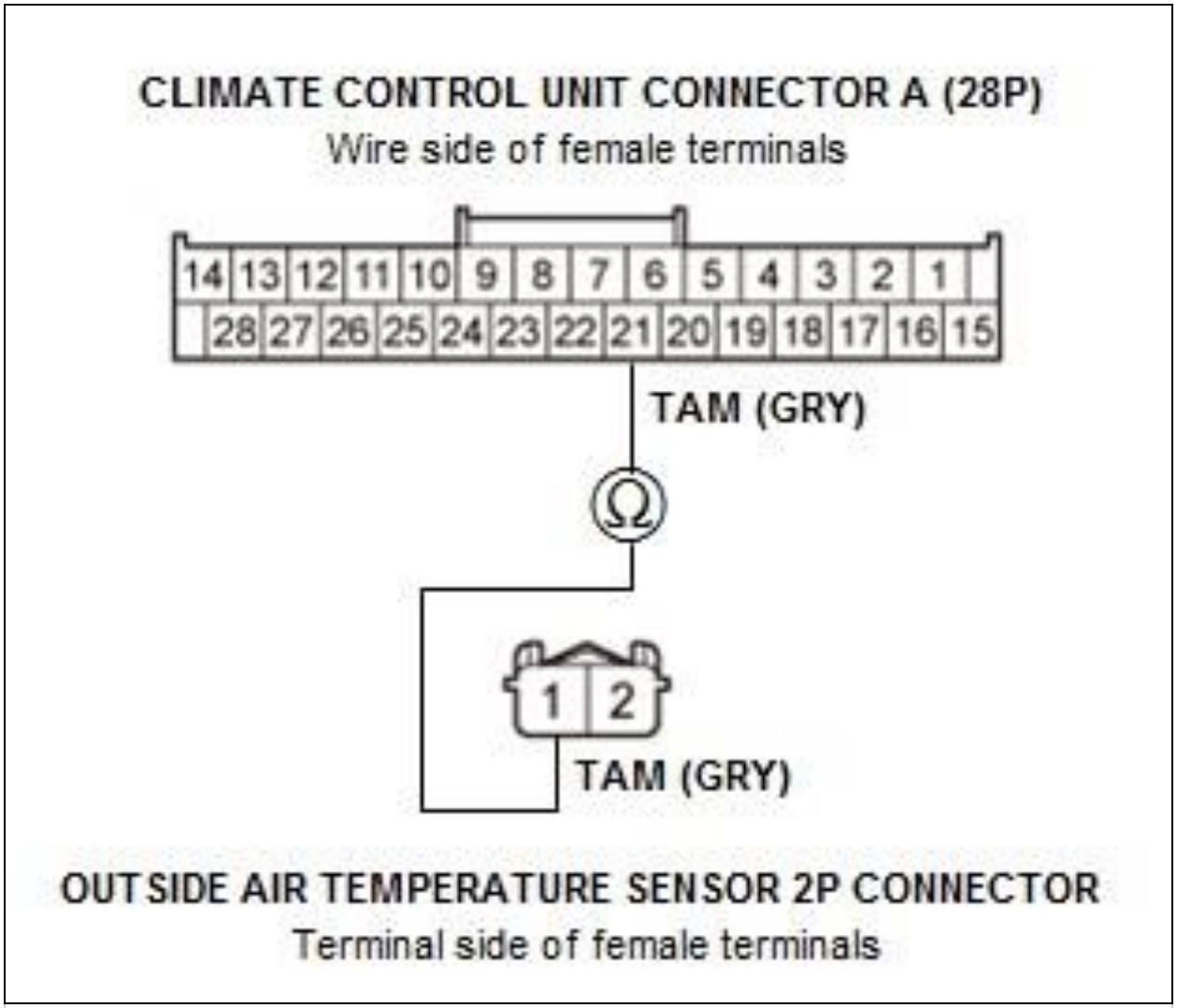
   Is DTC B1227, Error on the DTC screen A-A1 (with navigation), or 05 (without navigation) indicated? **YES**
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the outside air temperature sensor circuit.

2. Open wire check (TAM line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Outside air temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Outside air temperature sensor 2P connector No. 1 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TAM wire is not open. Go to step 3.

NO

Repair an open in the TAM wire.

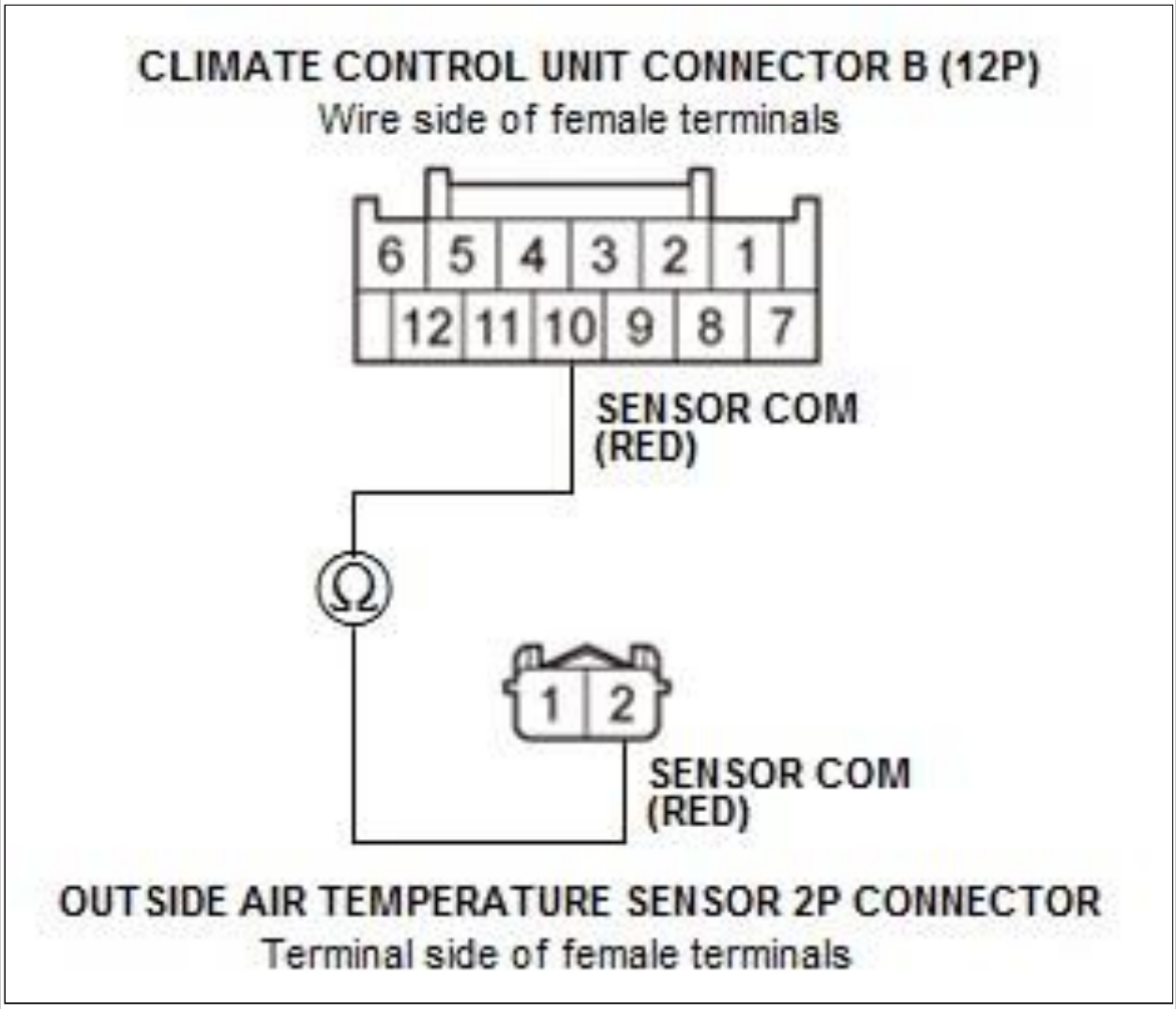
3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Outside air temperature sensor 2P connector: disconnected

Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (RED)
Test point 2	Outside air temperature sensor 2P connector No. 2 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM wire is OK. Go to step 4.

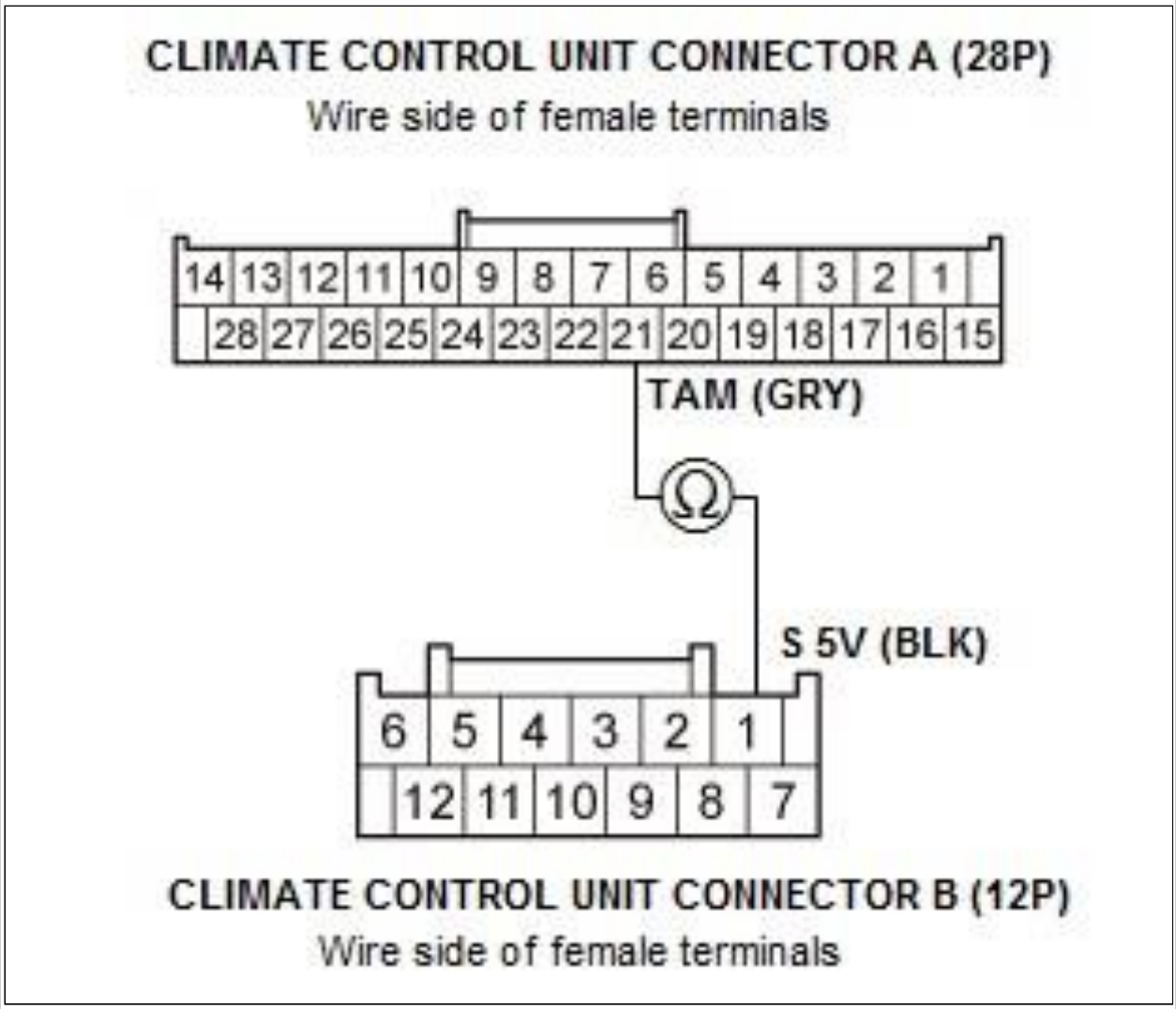
NO

Repair an open in the SENSOR COM wire.

4. Shorted wire check (TAM line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM, S 5V
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TAM wire to S 5V/SENSOR 5V wire.

NO

The TAM wire to S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Outside air temperature sensor check:
   Test the outside air temperature sensor .
   Is the outside air temperature sensor OK?

YES
Replace the climate control unit. .
NO
Replace the outside air temperature sensor .

DTC TROUBLESHOOTING > DTC B1228 (06): A SHORT IN THE OUTSIDE AIR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1228 A short in the outside air temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1228 A short in the outside air temperature sensor circuit	

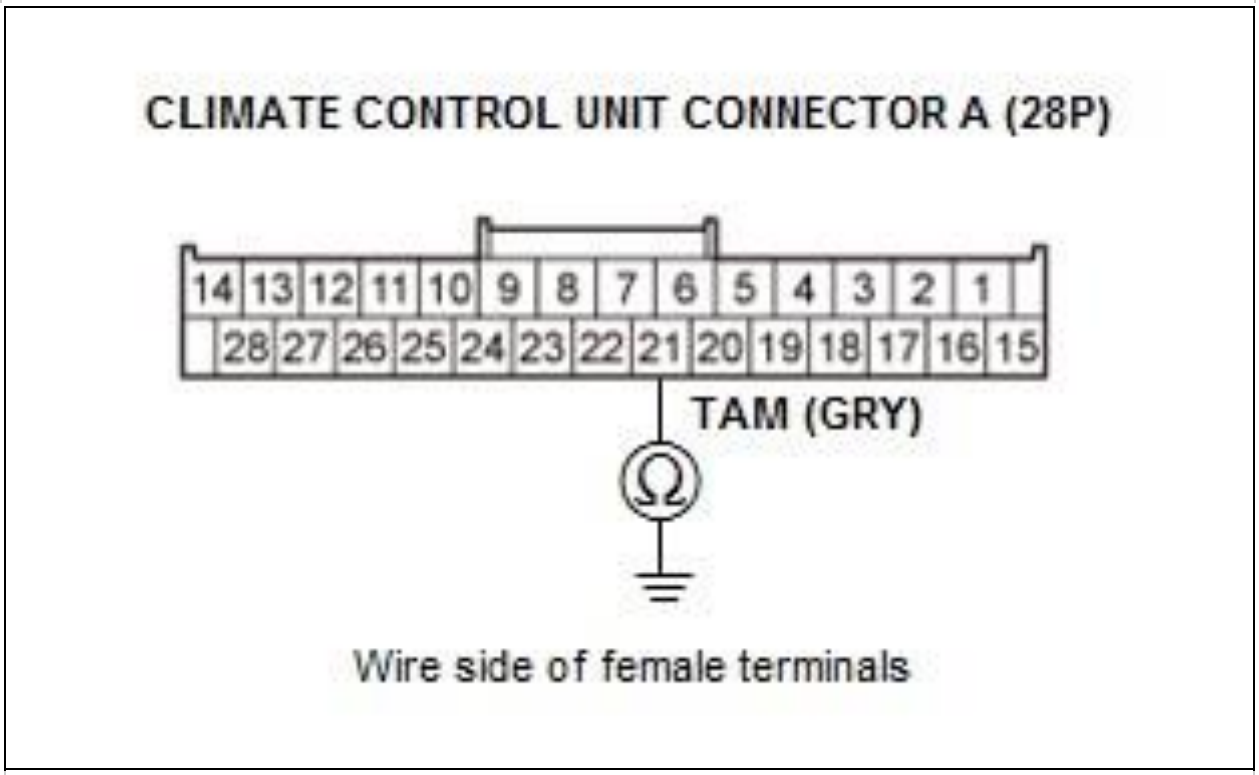
   Is DTC B1228 or 06 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the outside air temperature circuit.

2. Shorted wire check (TAM line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Outside air temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the outside air temperature sensor.

NO

The TAM wire is not shorted. Go to step 3.

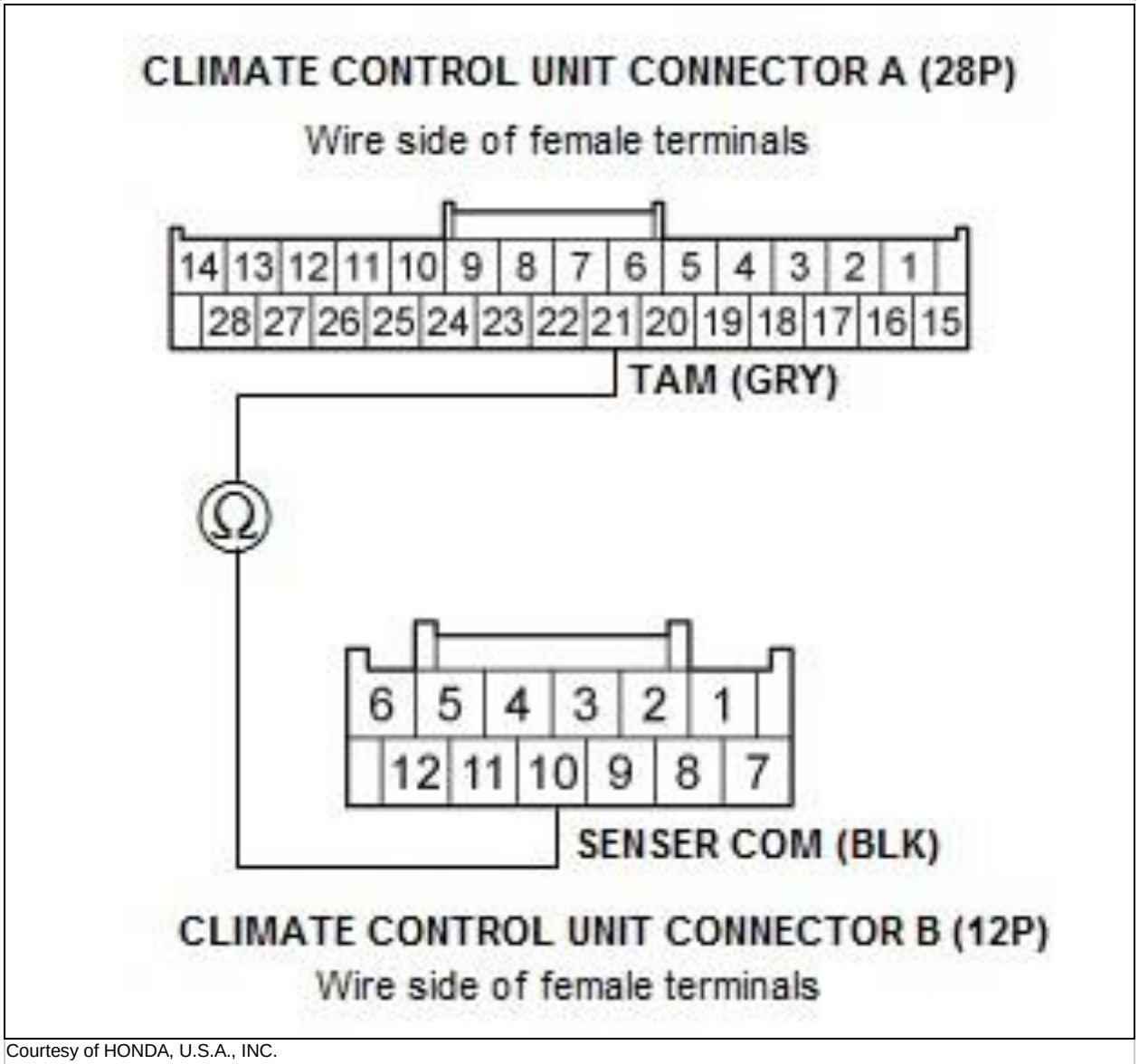
3. Shorted wire check (TAM line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM, SENSOR COM

Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the outside air temperature sensor.

NO

The TAM wire and SENSOR COM wire are OK. Go to step 4.

4. Outside air temperature sensor check:
   Test the outside air temperature sensor .
   Is the outside air temperature sensor OK?
   YES

Replace the climate control unit .
NO
Replace the outside air temperature sensor .

DTC TROUBLESHOOTING > DTC B1228 (A-A2), B1228 (06): A SHORT IN THE OUTSIDE AIR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1228 A short in the outside air temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1228 A short in the outside air temperature sensor circuit	

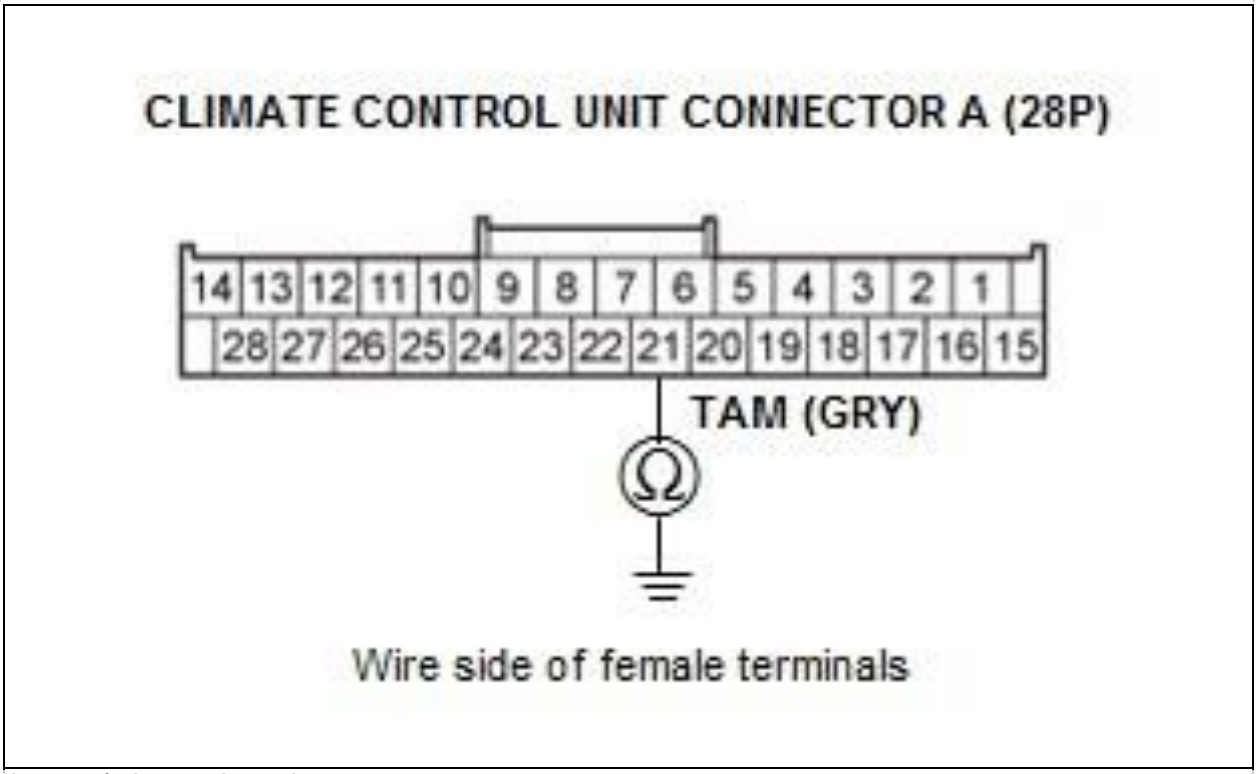
   Is DTC B1228, Error on the DTC screen A-A2 (with navigation), or 06 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the outside air temperature circuit.

2. Shorted wire check (TAM line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Outside air temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the TAM wire.

NO

The TAM wire is not shorted. Go to step 3.

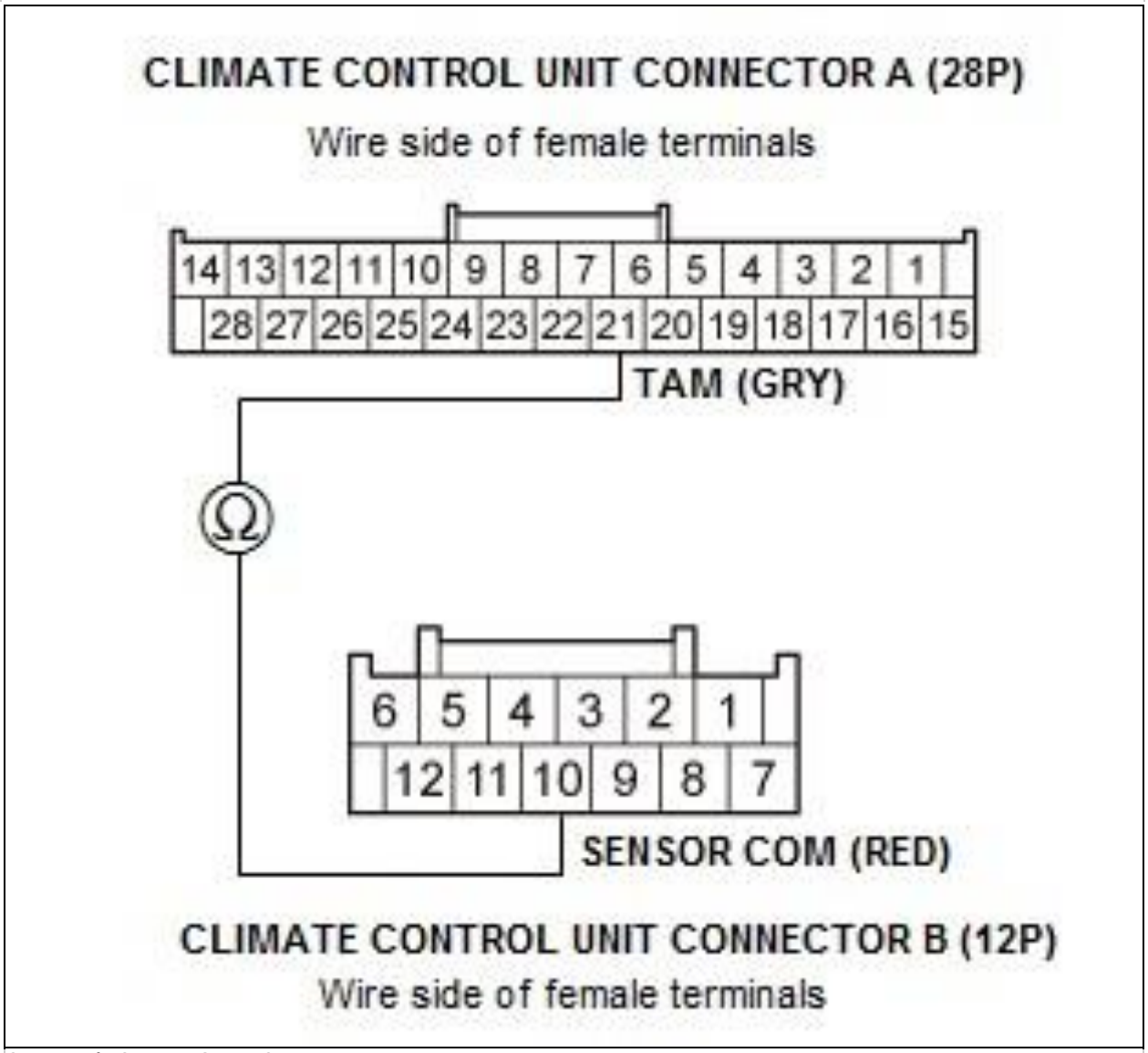
3. Shorted wire check (TAM line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Outside air temperature sensor 2P connector: disconnected
Test circuit	TAM, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 21 (GRY)
Test point 2	Climate control unit connector B (12P) No. 10 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TAM wire to SENSOR COM wire.

NO

The TAM wire and SENSOR COM wire are not shorted. Go to step 4.

4. Outside air temperature sensor check:
   Test the outside air temperature sensor .
   Is the outside air temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the outside air temperature sensor .

DTC TROUBLESHOOTING > DTC B1229 (07): AN OPEN IN THE SUNLIGHT SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1229 An open in the sunlight sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1229 An open in the sunlight sensor circuit	

   Is DTC B1229 or 07 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the sunlight sensor circuit.

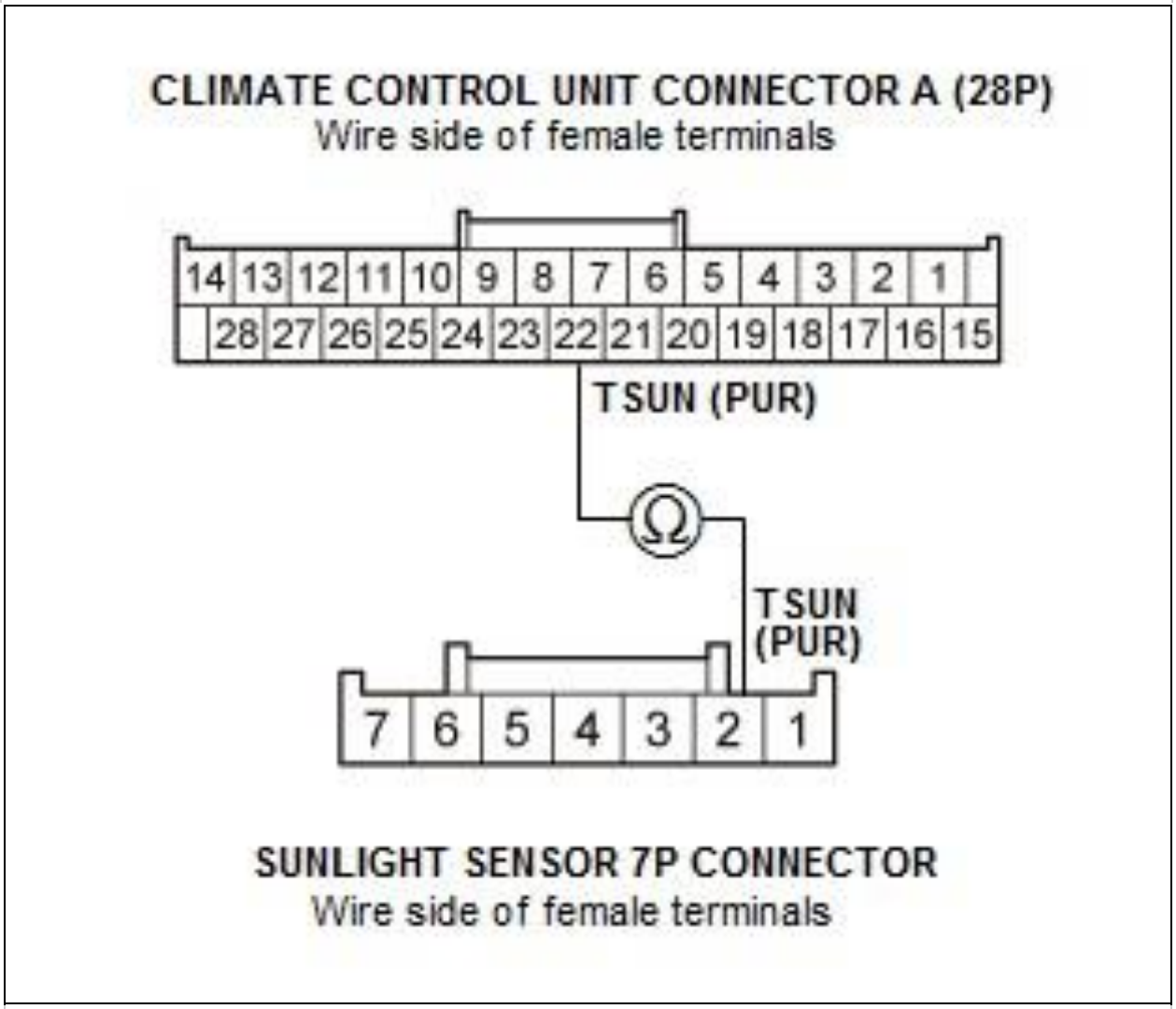
2. Open wire check (TSUN line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Sunlight sensor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Sunlight sensor 7P connector: disconnected

Test circuit	TSUN
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Sunlight sensor 7P connector No. 2 (PUR)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TSUN wire is not opened. Go to step 3.

NO

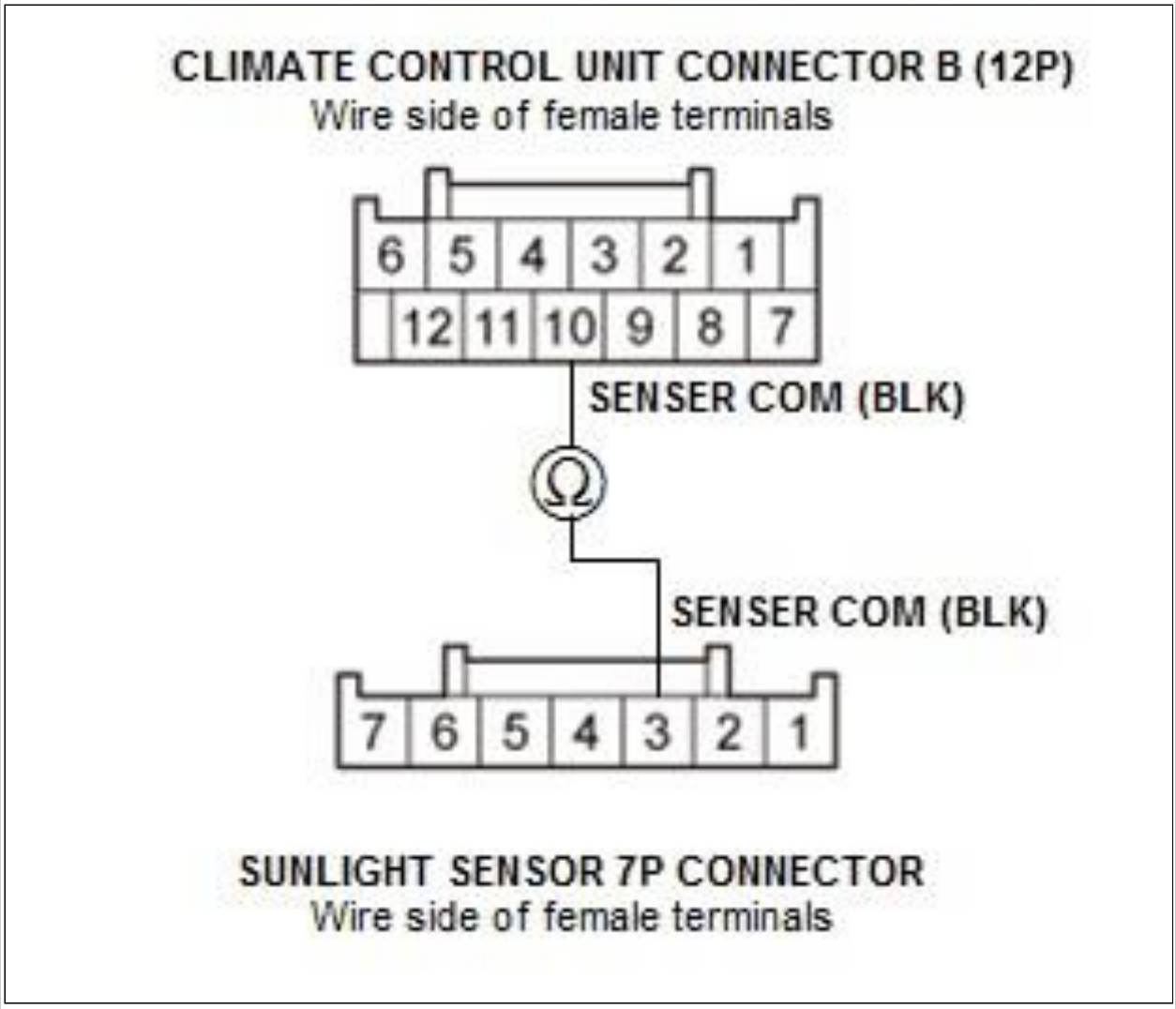
Repair an open in the wire between the climate control unit and the sunlight sensor.

3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Sunlight sensor 7P connector No. 3 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM wire is OK. Go to step 4.

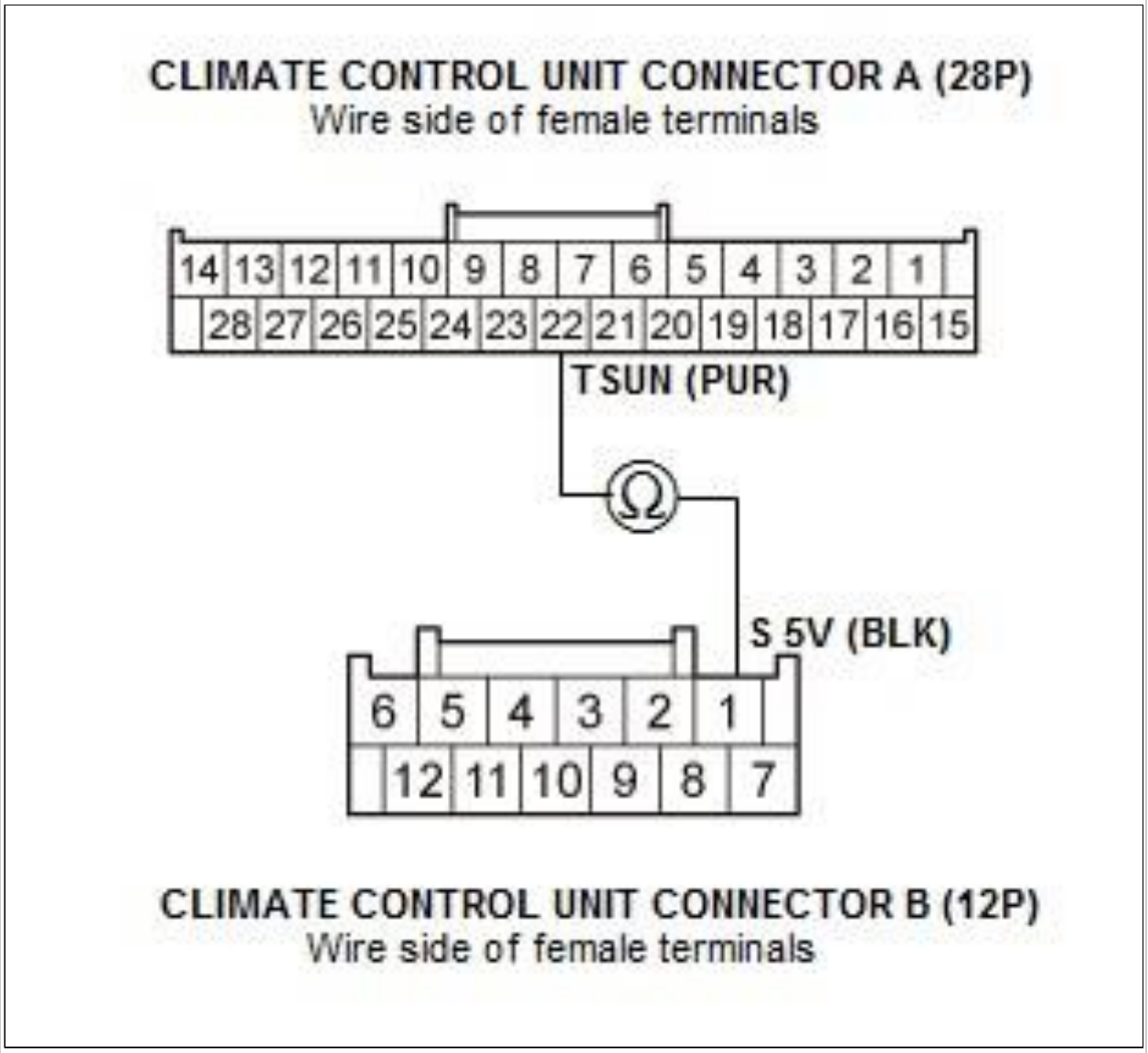
NO

Repair an open in the wire between the climate control unit and the sunlight sensor.

4. Shorted wire check (TSUN line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	TSUN, S 5V

Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the sunlight sensor.

NO

The TSUN wire and S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Sunlight sensor check:

Reconnect climate control unit connector A (28P) and B (12P) .

- 2. Test the sunlight sensor .

Is the sunlight sensor OK?

YES

Replace the climate control unit .

NO

Replace the sunlight sensor .

DTC TROUBLESHOOTING > DTC B1229 (A-A3), B1229 (07): AN OPEN IN THE SUNLIGHT SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1229 An open in the sunlight sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1229 An open in the sunlight sensor circuit	

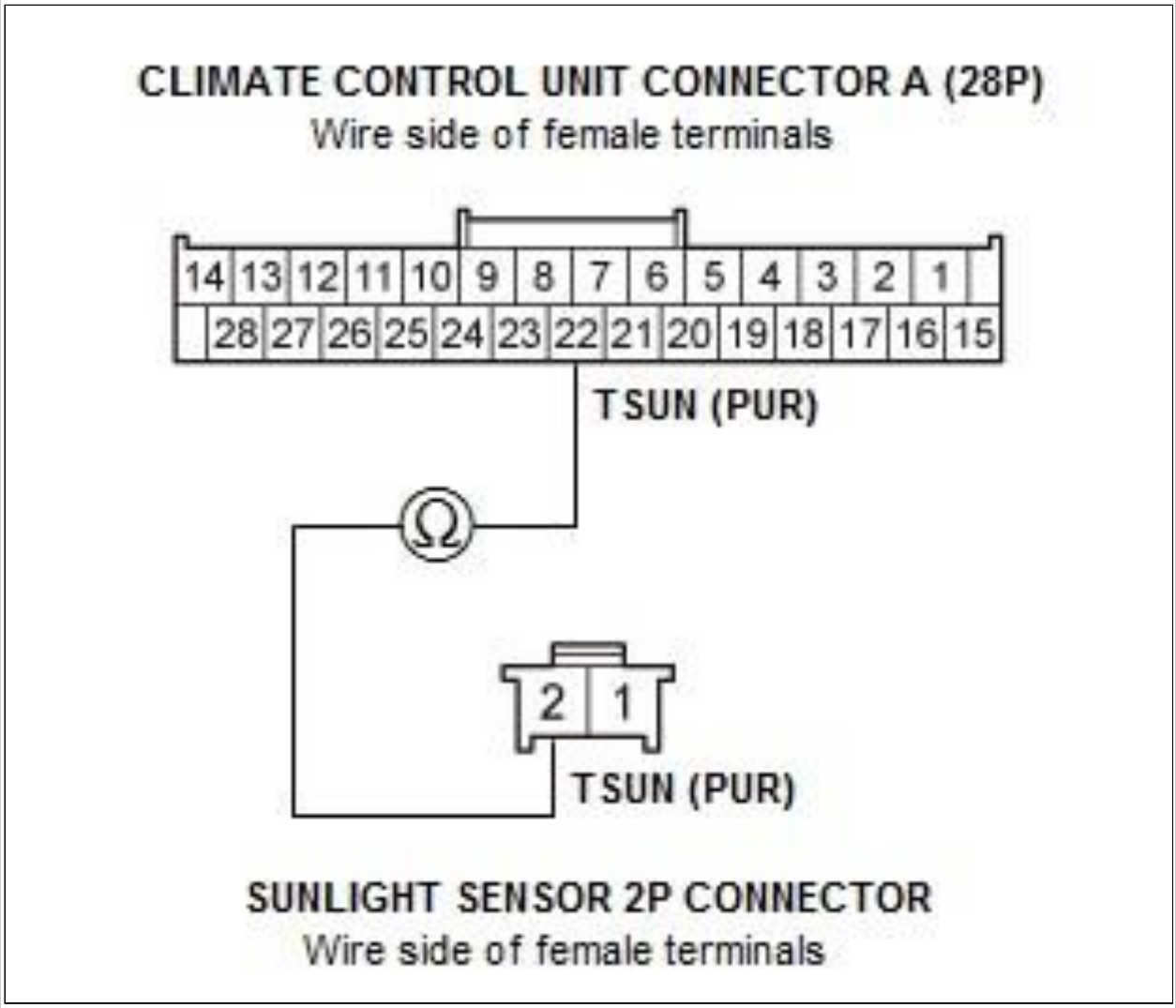
   Is DTC B1229, Error on the DTC screen A-A3 (with navigation), or 07 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the sunlight sensor circuit.

2. Open wire check (TSUN line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Sunlight sensor 2P connector (with automatic wiper)
Sunlight sensor 7P connector (without automatic wiper)

   - 3. Check for continuity between test points 1 and 2.
   With automatic wiper

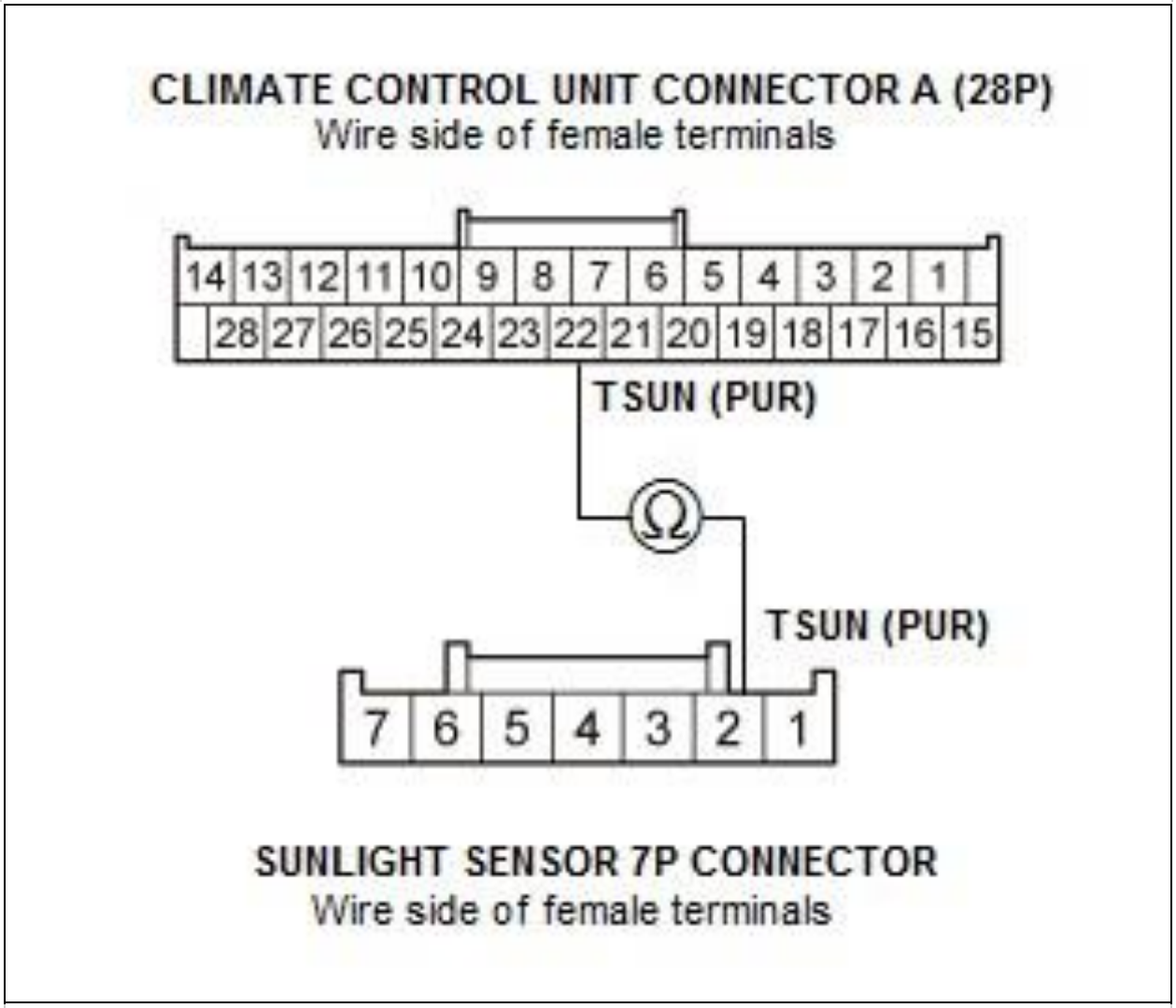
Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Sunlight sensor 2P connector: disconnected
Test circuit	TSUN
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Sunlight sensor 2P connector No. 2 (PUR)



Courtesy of HONDA, U.S.A., INC.

Without automatic wiper

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	TSUN
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Sunlight sensor 7P connector No. 2 (PUR)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TSUN wire is not open. Go to step 3.

NO

Repair an open in the TSUN wire.

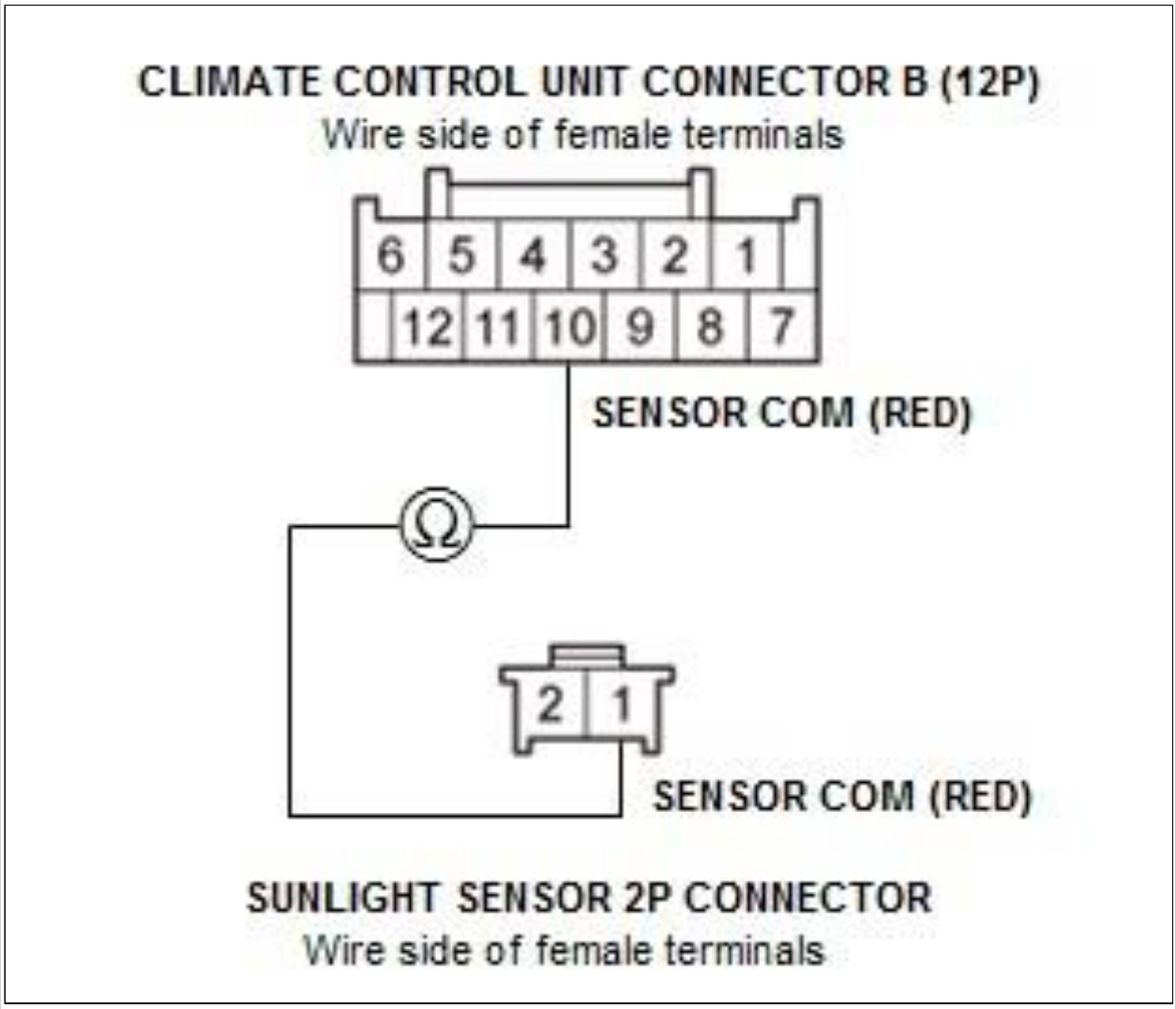
3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

With automatic wiper

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 2P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (RED)
Test point 2	Sunlight sensor 2P connector No. 1 (RED)

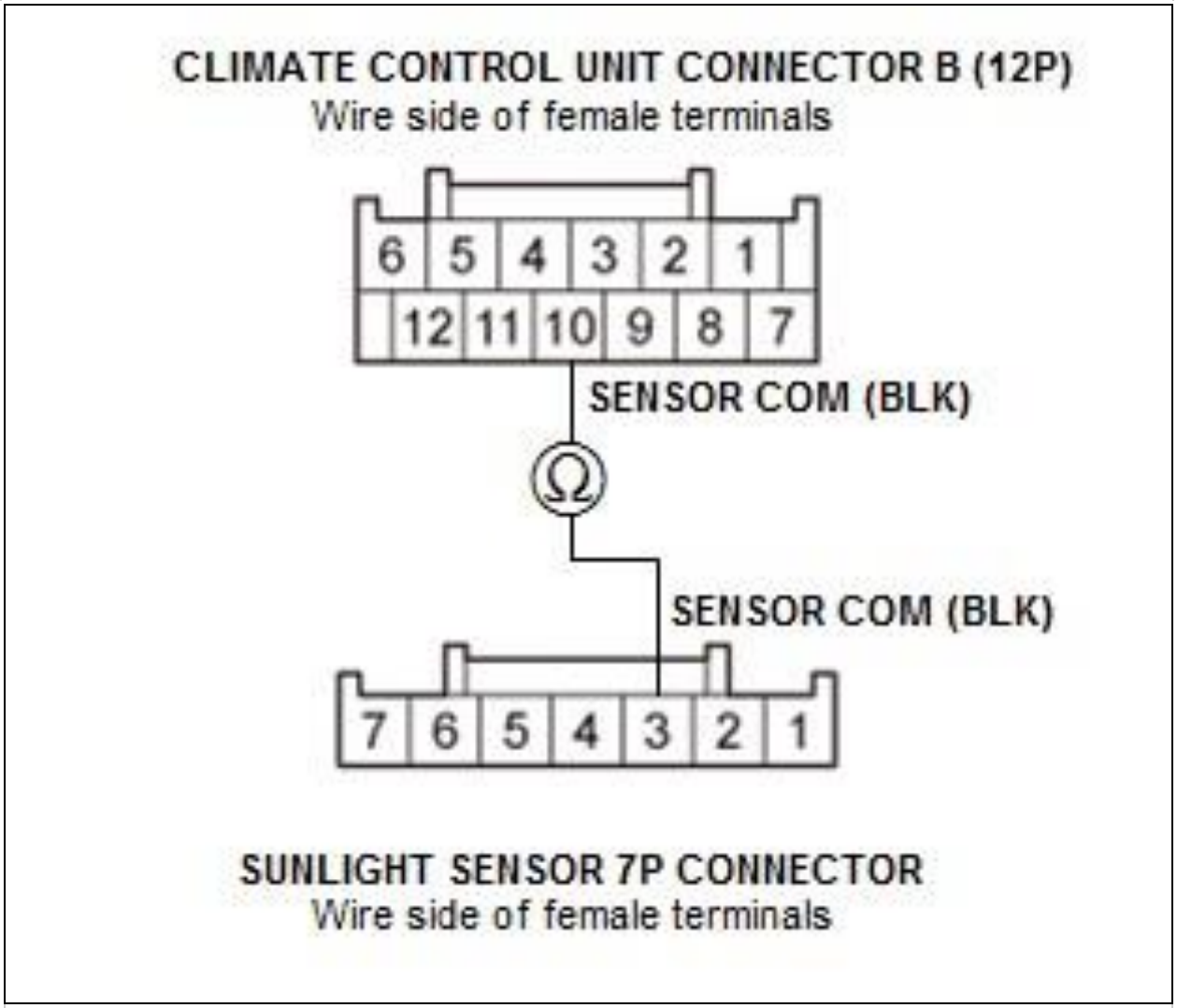


Courtesy of HONDA, U.S.A., INC.

Without automatic wiper

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Sunlight sensor 7P connector No. 3 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

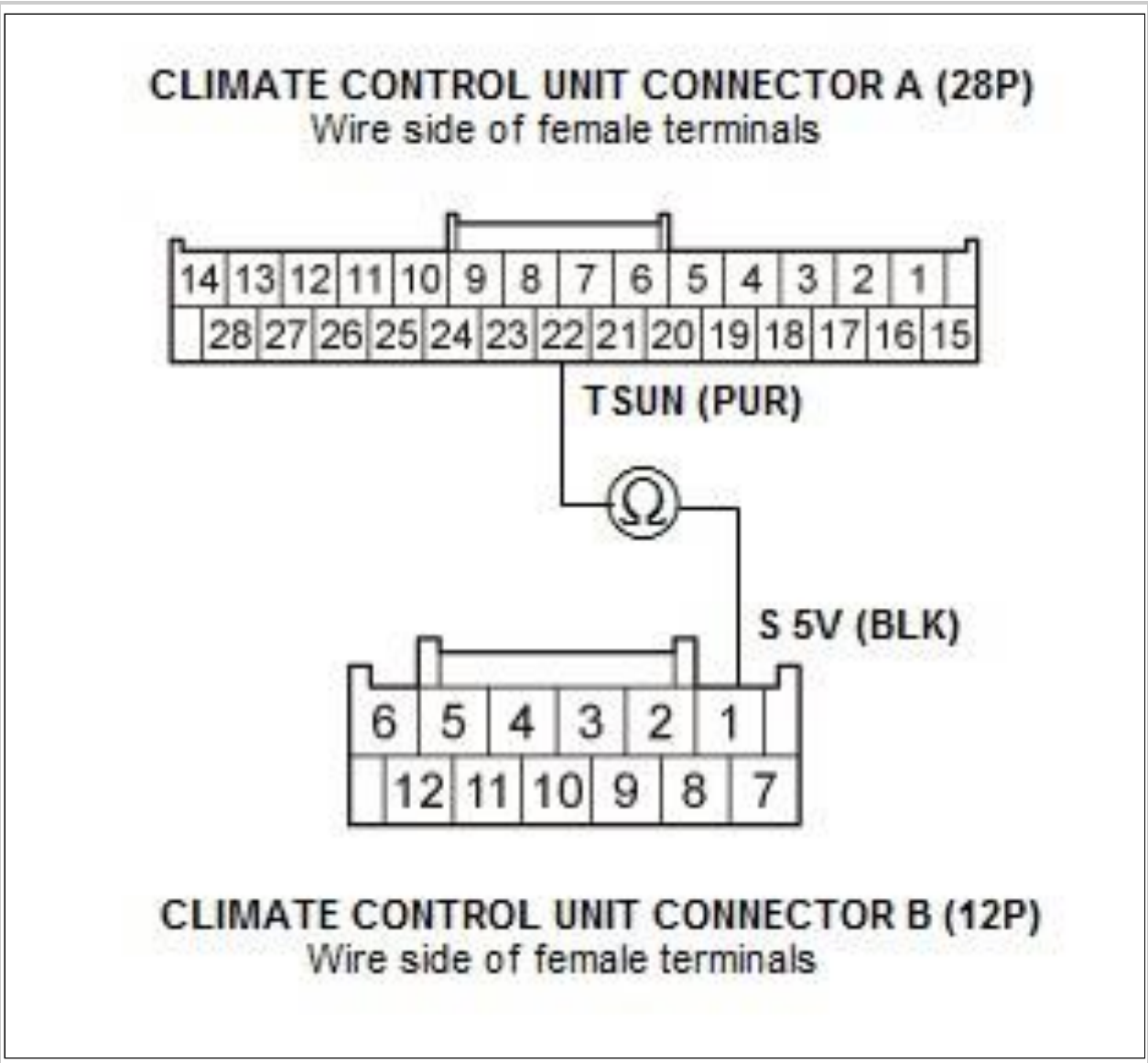
The SENSOR COM wire is OK. Go to step 4.

NO

Repair an open in the SENSOR COM wire.

4. Shorted wire check (TSUN line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 2P connector (with automatic wiper): disconnected
	Sunlight sensor 7P connector (without automatic wiper): disconnected
Test circuit	TSUN, S 5V
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TSUN wire to S 5V/SENSOR 5V wire.

NO

The TSUN wire to S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Sunlight sensor check:

   Reconnect climate control unit connector A (28P) and B (12P) .

   - 2. Test the sunlight sensor .

   Is the sunlight sensor OK?

   YES

   Replace the climate control unit .

   NO

   Replace the sunlight sensor .

DTC TROUBLESHOOTING > DTC B1230 (08): A SHORT IN THE SUNLIGHT SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1230 A short in the sunlight sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1230 A short in the sunlight sensor circuit	

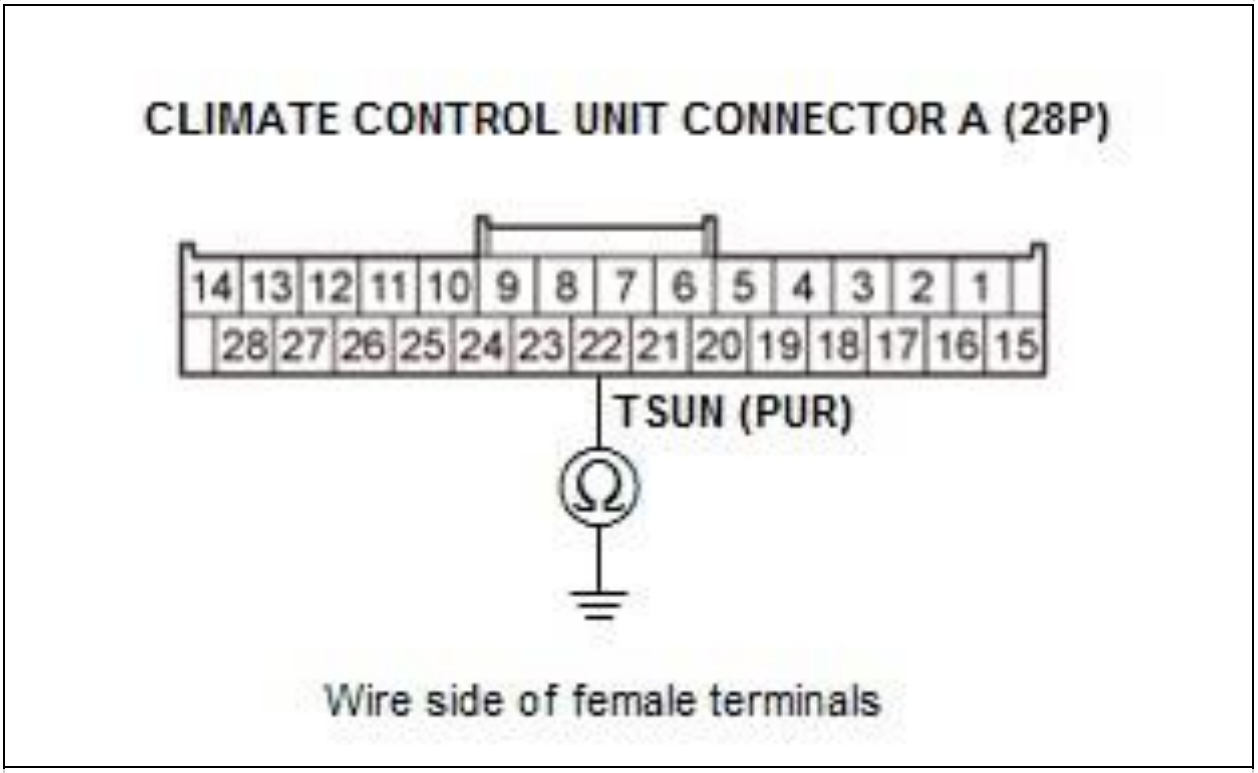
   Is DTC B1230 or 08 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the sunlight sensor circuit.

2. Shorted wire check (TSUN line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P) Sunlight sensor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	TSUN
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the sunlight sensor.

NO

The TSUN wire is not shorted. Go to step 3.

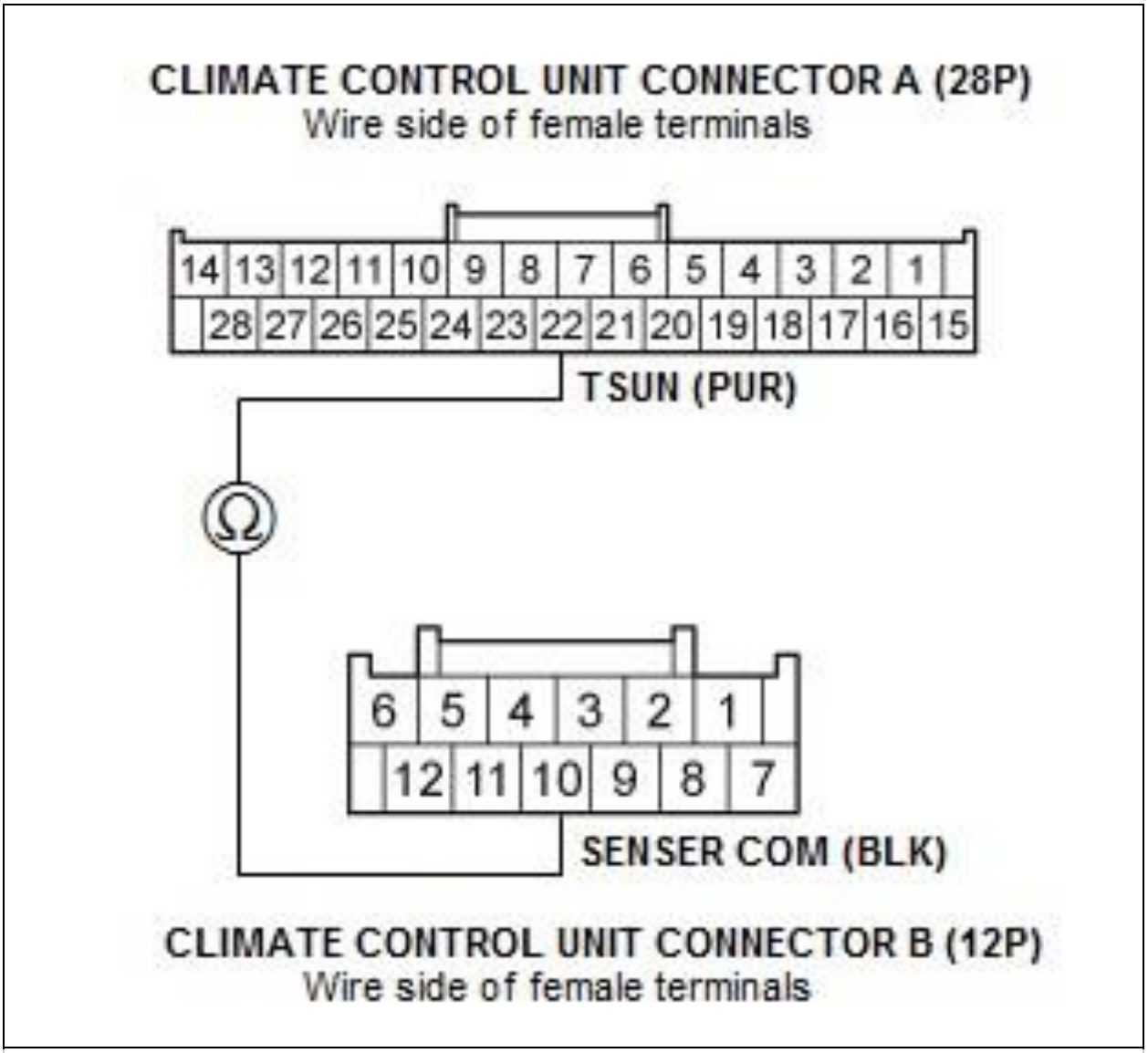
3. Shorted wire check (TSUN line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 7P connector: disconnected
Test circuit	TSUN, SENSOR COM

Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the sunlight sensor.

NO

The TSUN wire and SENSOR COM wire are OK. Go to step 4.

4. Sunlight sensor check:

Reconnect climate control unit connector A (28P) and B (12P) .

- 2. Test the sunlight sensor .

Is the sunlight sensor OK?

YES

Replace the climate control unit .

NO

Replace the sunlight sensor .

DTC TROUBLESHOOTING > DTC B1230 (A-A4), B1230 (08): A SHORT IN THE SUNLIGHT SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1230 A short in the sunlight sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1230 A short in the sunlight sensor circuit	

   Is DTC B1230, Error on the DTC screen A-A4 (with navigation), or 08 (without navigation) indicated?

   YES

   Go to step 2.

   NO

   Intermittent failure. Check for loose wires or poor connections on the sunlight sensor circuit.

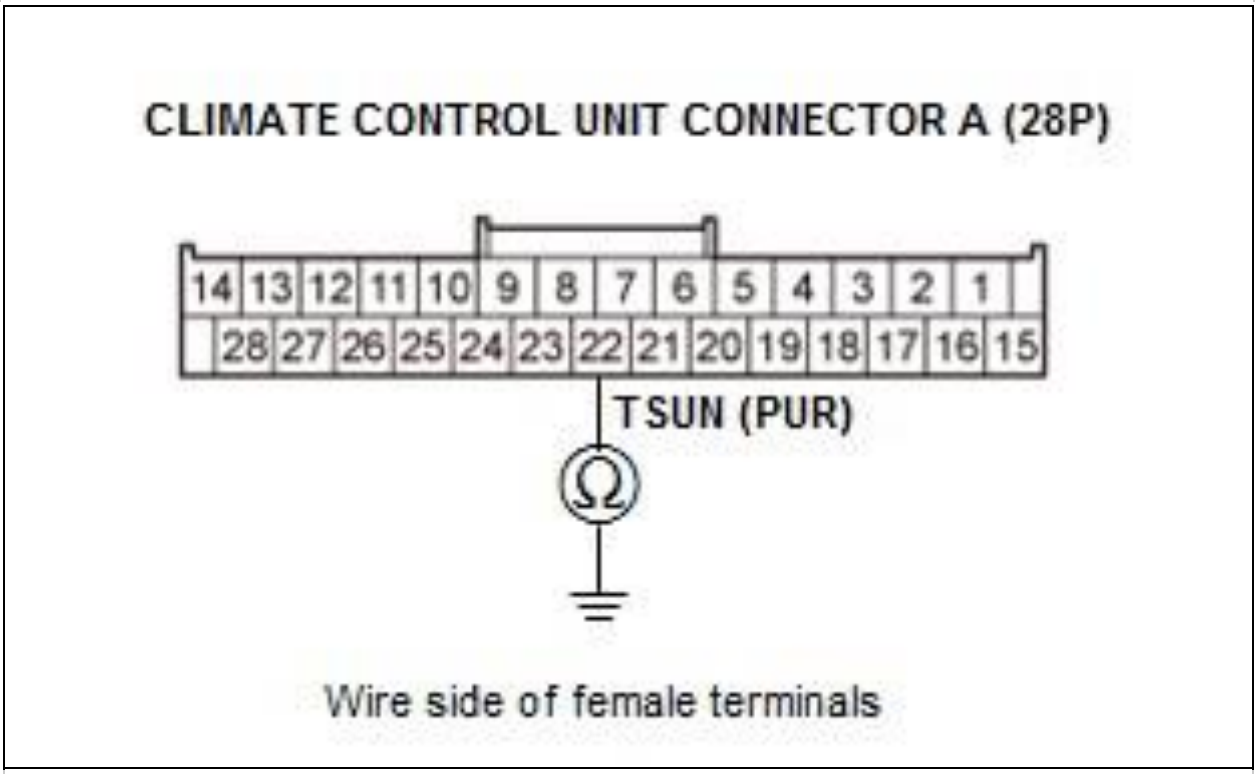
2. Shorted wire check (TSUN line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Sunlight sensor 2P connector (with automatic wiper)
Sunlight sensor 7P connector (without automatic wiper)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Sunlight sensor 2P connector (with automatic wiper): disconnected
	Sunlight sensor 7P connector (without automatic wiper): disconnected
Test circuit	TSUN

Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the TSUN wire.

NO

The TSUN wire is not shorted. Go to step 3.

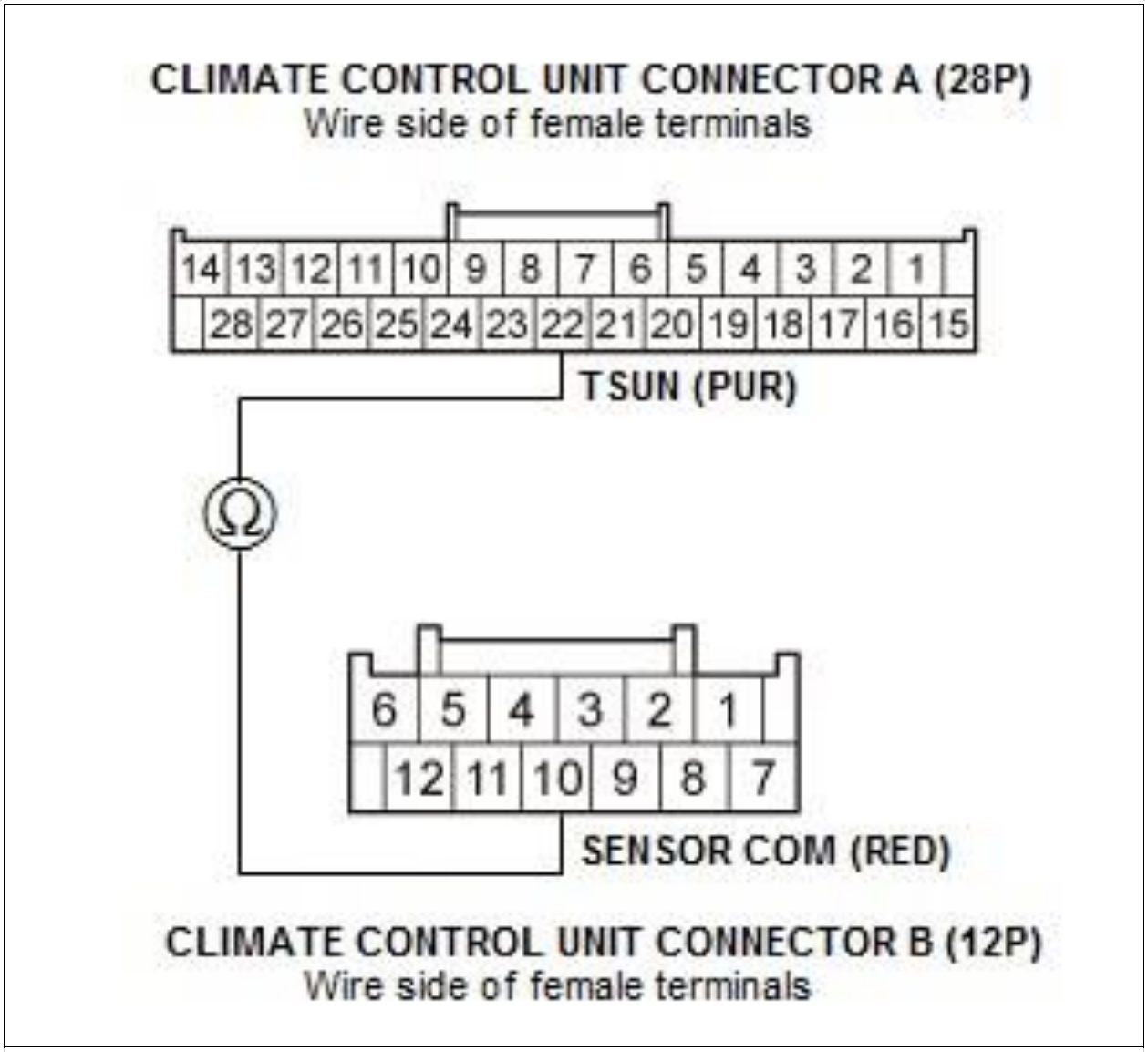
3. Shorted wire check (TSUN line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Sunlight sensor 2P connector (with automatic wiper): disconnected

	Sunlight sensor 7P connector (without automatic wiper): disconnected
Test circuit	TSUN, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 22 (PUR)
Test point 2	Climate control unit connector B (12P) No. 10 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TSUN wire to SENSOR COM wire.

NO

The TSUN wire to SENSOR COM wire are OK. Go to step 4.

4. Sunlight sensor check:
   Reconnect climate control unit connector A (28P) and B (12P) .
   - 2. Test the sunlight sensor .
   Is the sunlight sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the sunlight sensor .

DTC TROUBLESHOOTING > DTC B1231 (09): AN OPEN IN THE EVAPORATOR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1231 An open in the evaporator temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1231 An open in the evaporator temperature sensor circuit	

   Is DTC B1231 or 09 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the evaporator temperature sensor circuit.

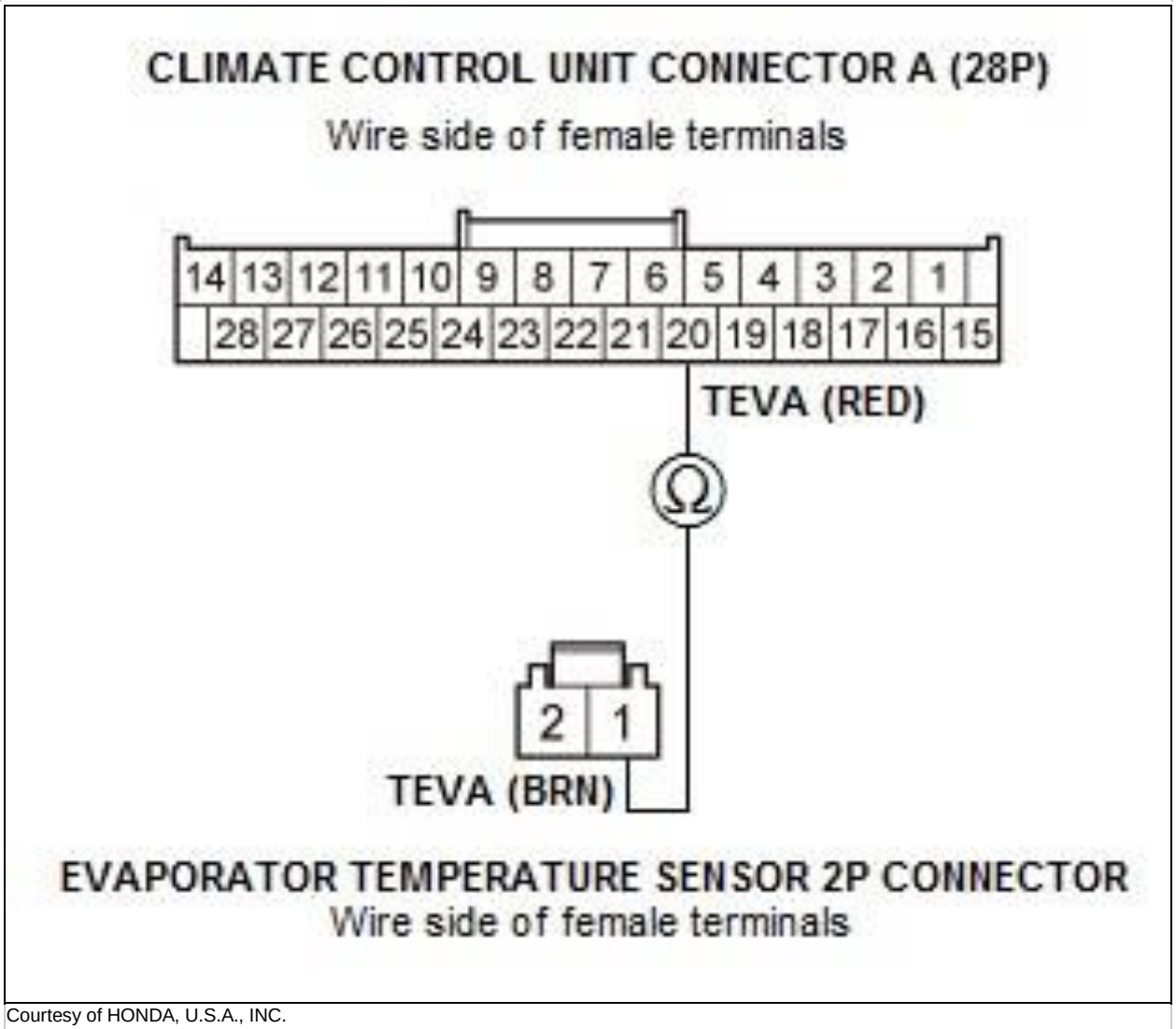
2. Open wire check (TEVA line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Evaporator temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA

Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Evaporator temperature sensor 2P connector No. 1 (BRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TEVA wire is not opened. Go to step 3.

NO

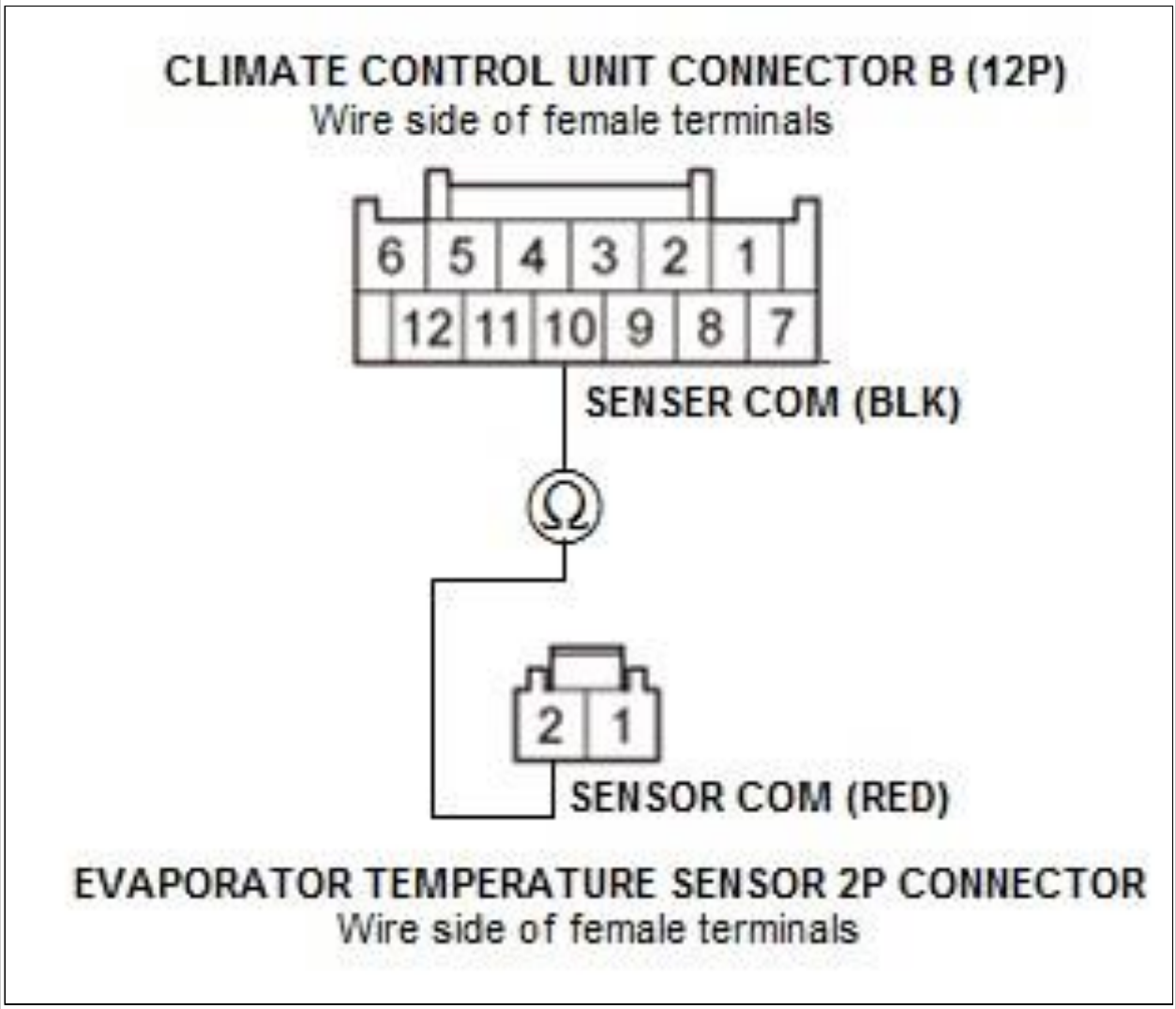
Repair an open in the wire between the climate control unit and the evaporator temperature sensor.

3. Open wire check (SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	SENSOR COM/SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Evaporator temperature sensor 2P connector No. 2 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

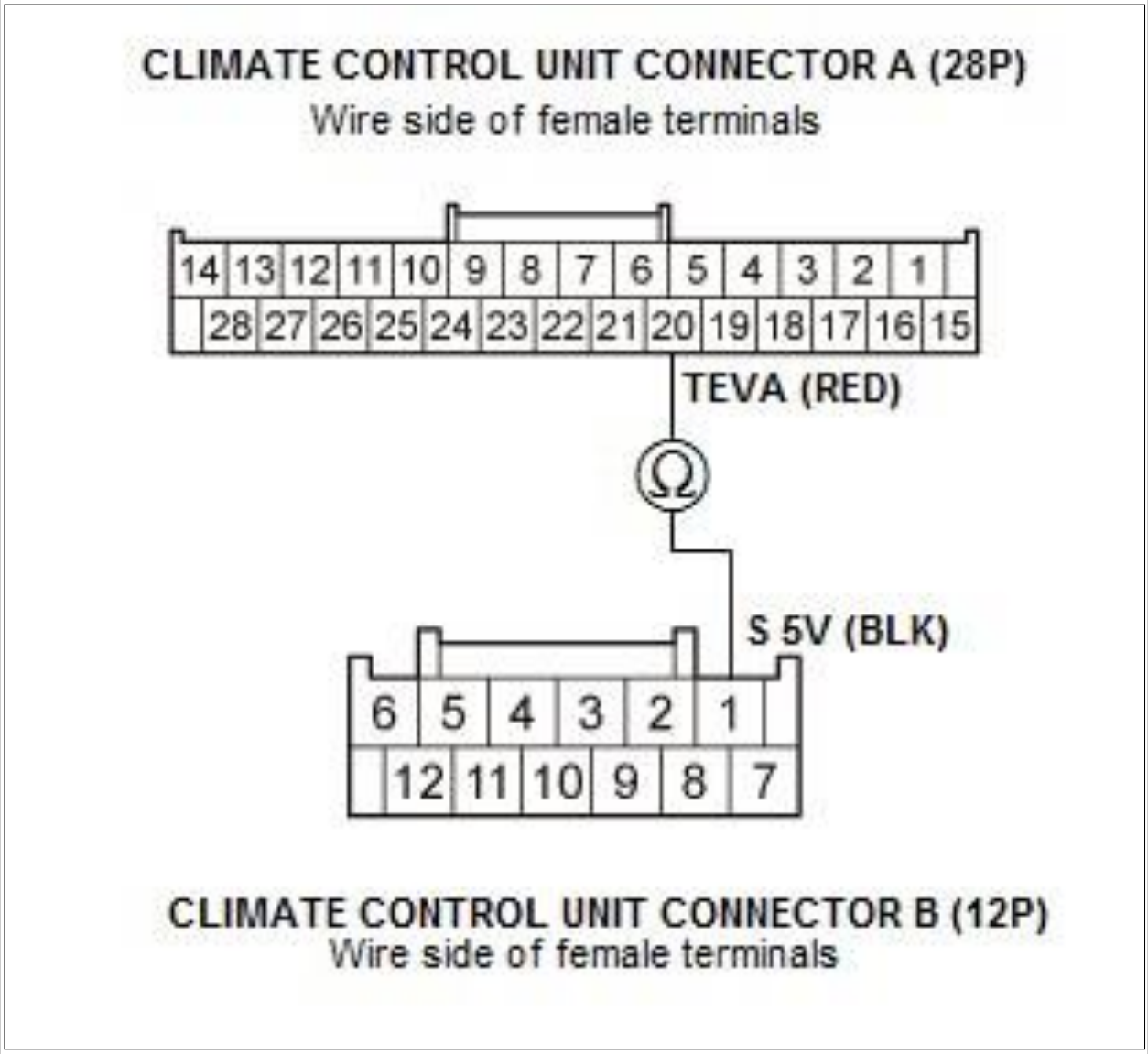
The SENSOR COM/SENSOR COM wire is OK. Go to step 4.

NO

Repair an open in the wire between the climate control unit and the evaporator temperature sensor.

4. Shorted wire check (TEVA line to S 5V/SENSOR 5V line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA, S 5V
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the evaporator temperature sensor.

NO

The TEVA wire and S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Evaporator temperature sensor check:
   Test the evaporator temperature sensor .
   Is the evaporator temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the evaporator temperature sensor .

DTC TROUBLESHOOTING > DTC B1231 (A-A5), B1231 (09): AN OPEN IN THE EVAPORATOR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1231 An open in the evaporator temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1231 An open in the evaporator temperature sensor circuit	

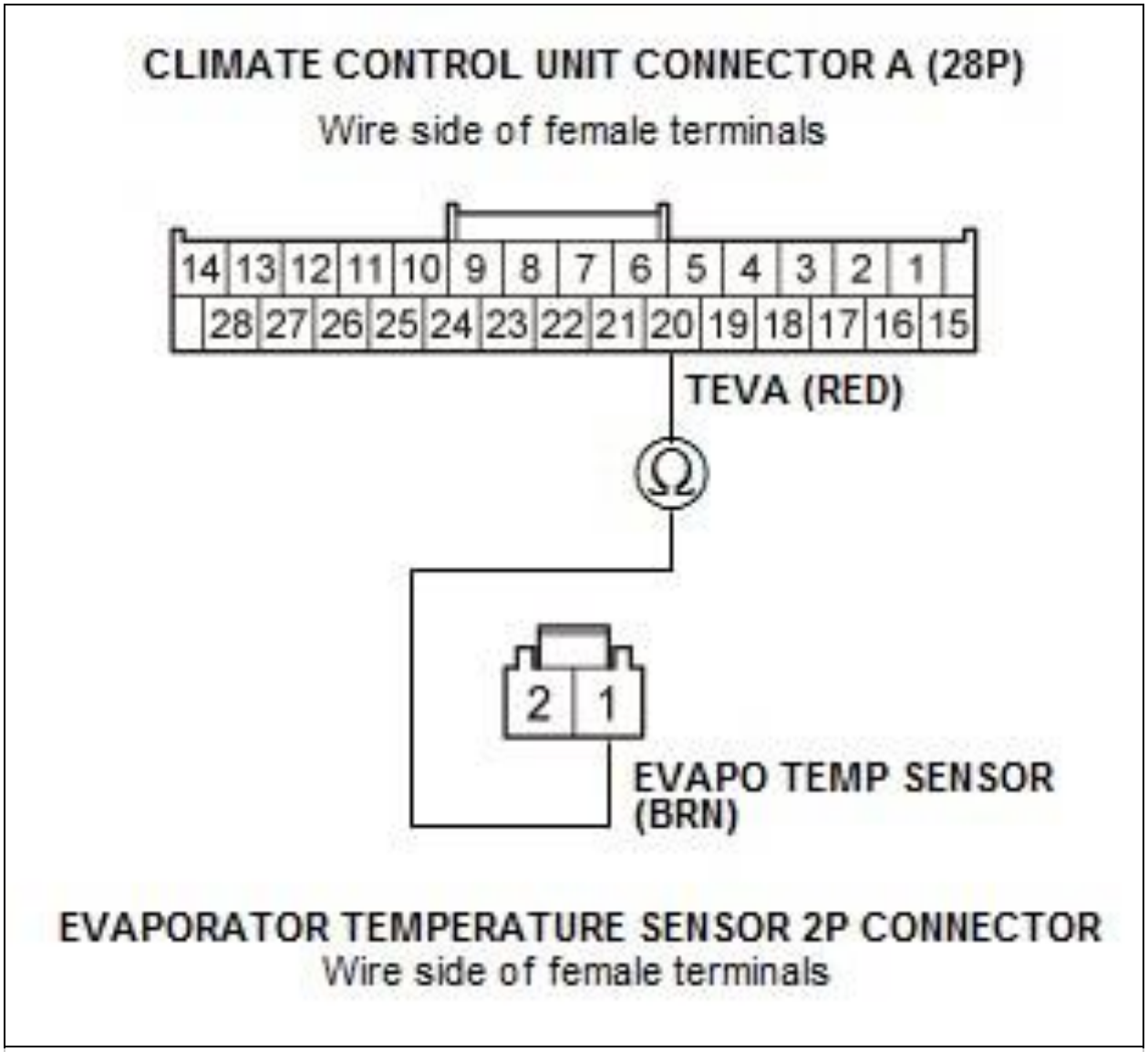
   Is DTC B1231, Error on the DTC screen A-A5 (with navigation), or 09 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the evaporator temperature sensor circuit.

2. Open wire check (TEVA/EVAPO TEMP SENSOR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Evaporator temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA, EVAPO TEMP SENSOR
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Evaporator temperature sensor 2P connector No. 1 (BRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The TEVA/EVAPO TEMP SENSOR wire is not open. Go to step 3.

NO

Repair an open in the TEVA/EVAPO TEMP SENSOR wire.

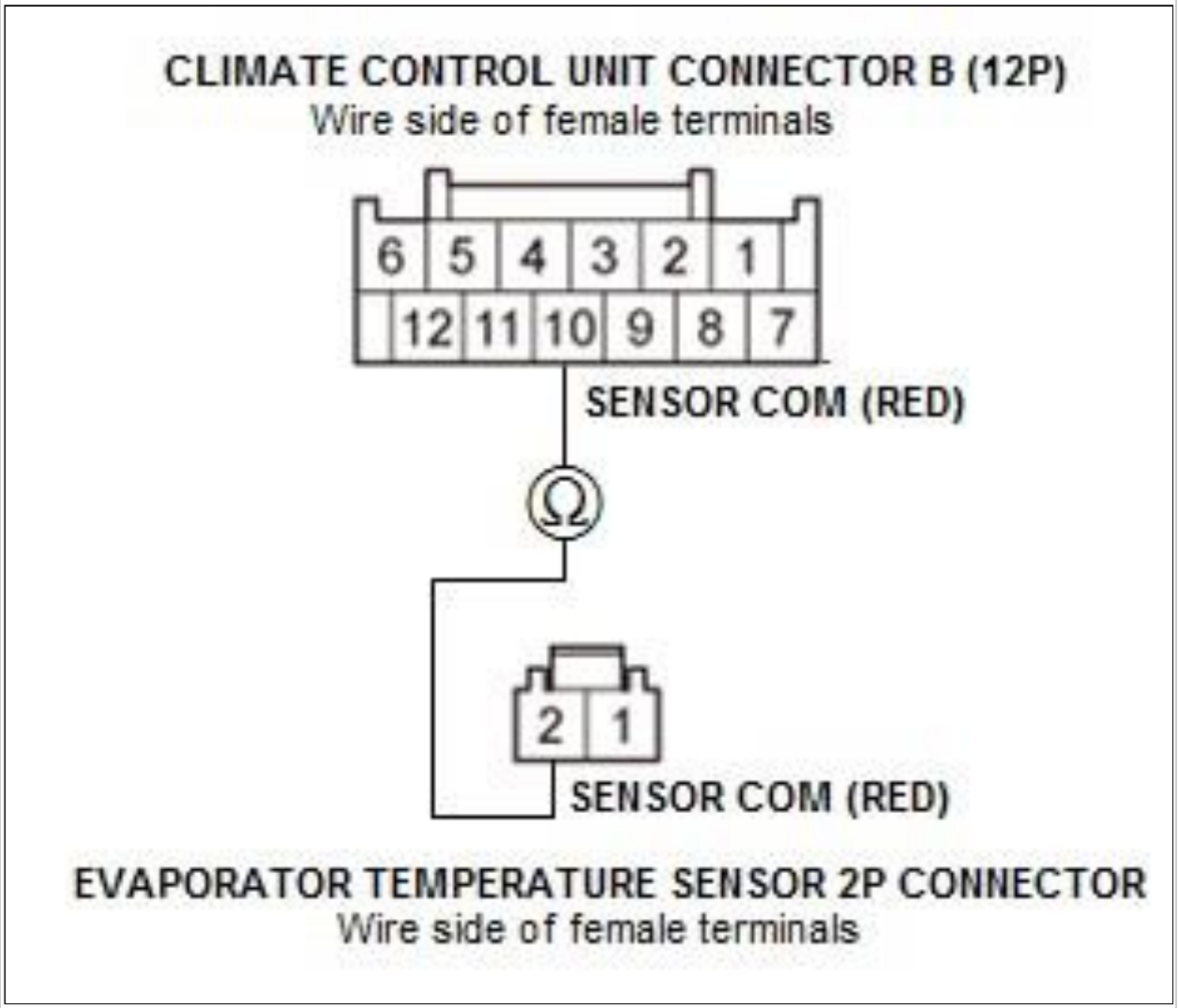
3. Open wire check (SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Evaporator temperature sensor 2P connector: disconnected
Test circuit	SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (RED)
Test point 2	Evaporator temperature sensor 2P connector No. 2 (RED)



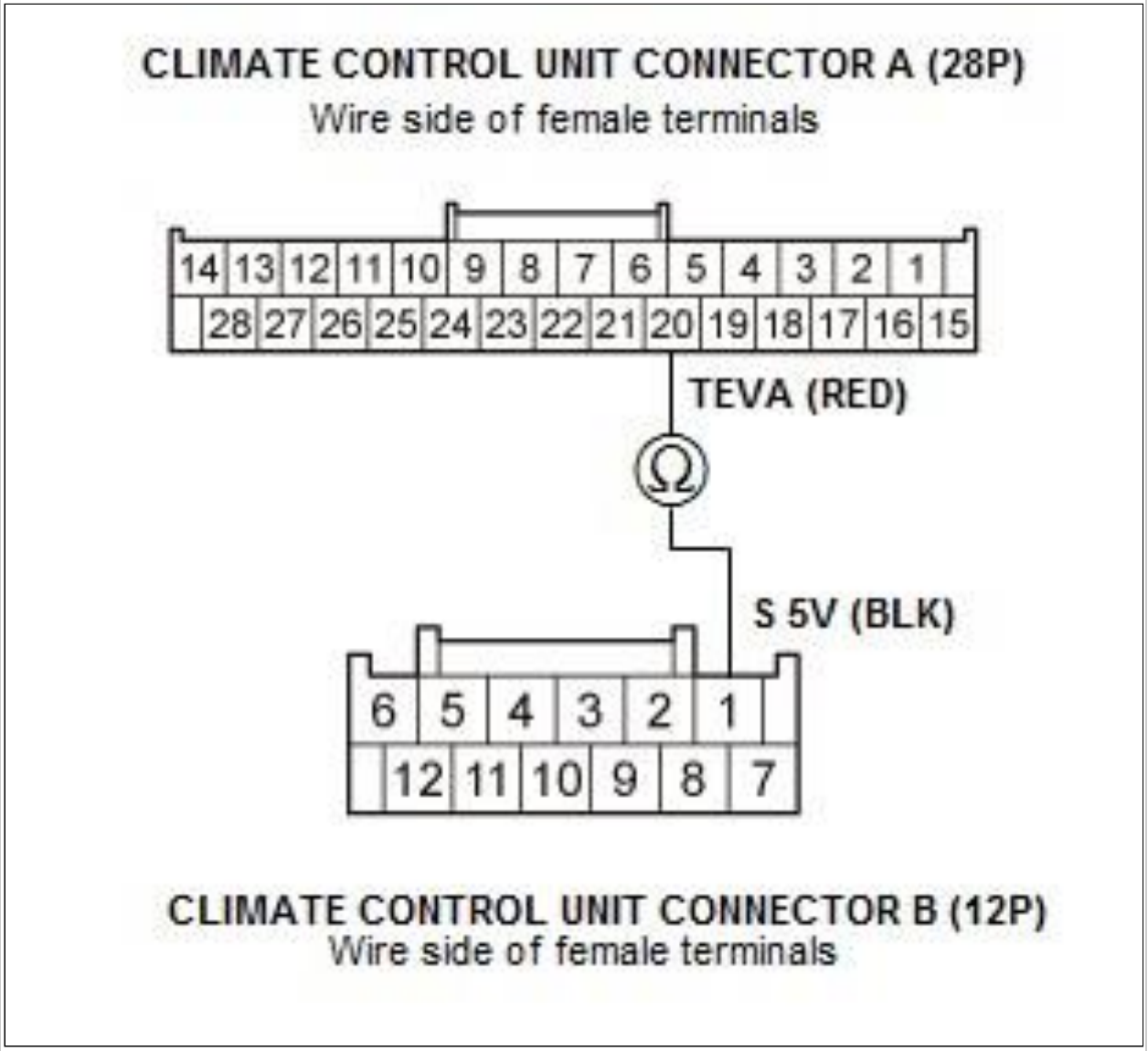
Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
The SENSOR COM wire is OK. Go to step 4.
NO
Repair an open in the SENSOR COM wire.

4. Shorted wire check (TEVA/EVAPO TEMP SENSOR line to S 5V/SENSOR 5V line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA, S 5V
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES

Repair a short in the TEVA/EVAPO TEMP SENSOR wire to S 5V/SENSOR 5V wire.
NO
The TEVA/EVAPO TEMP SENSOR wire to S 5V/SENSOR 5V wire are OK. Go to step 5.

5. Evaporator temperature sensor check:
   Test the evaporator temperature sensor .
   Is the evaporator temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the evaporator temperature sensor .

DTC TROUBLESHOOTING > DTC B1232 (0A): A SHORT IN THE EVAPORATOR TEMPERATURE SENSOR CIRCUIT (2013-15)

DTC Description	DTC
B1232 A short in the evaporator temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1232 A short in the evaporator temperature sensor circuit	

   Is DTC B1232 or 0A indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the evaporator temperature sensor circuit.

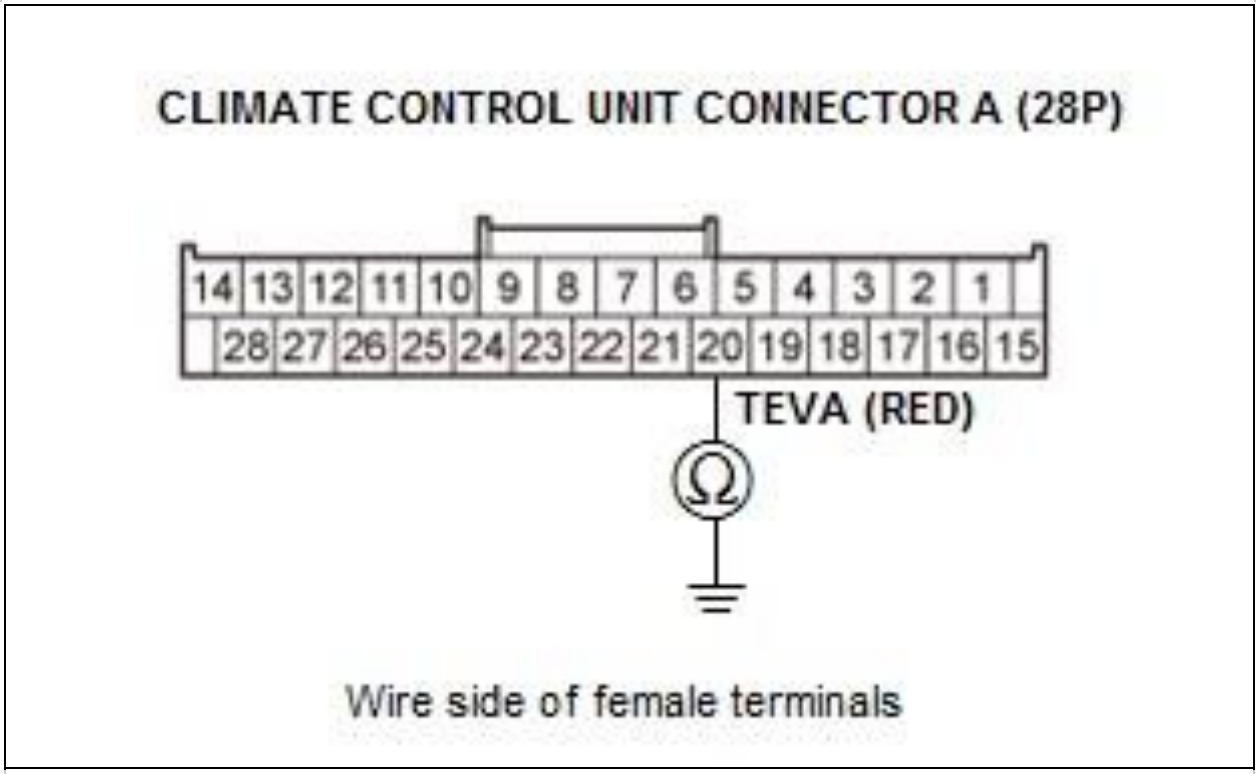
2. Shorted wire check (TEVA line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Evaporator temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the evaporator temperature sensor.

NO

The TEVA wire is not shorted. Go to step 3.

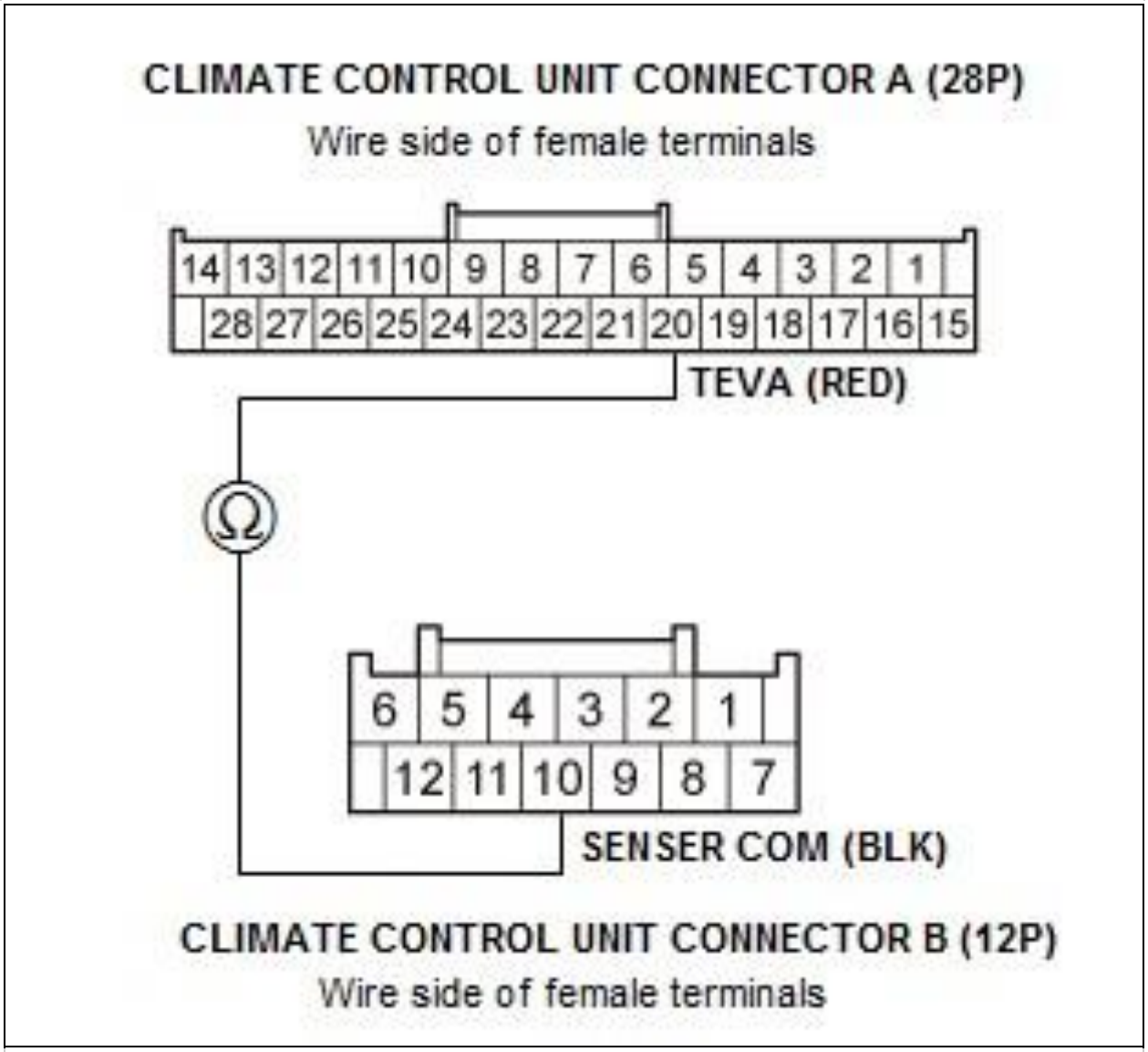
3. Shorted wire check (TEVA line to SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the evaporator temperature sensor.

NO
The TEVA wire and SENSOR COM/SENSOR COM wire are OK. Go to step 4.

4. Evaporator temperature sensor check:
   Test the evaporator temperature sensor .
   Is the evaporator temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the evaporator temperature sensor .

DTC TROUBLESHOOTING > DTC B1232 (A-A6), B1232 (0A): A SHORT IN THE EVAPORATOR TEMPERATURE SENSOR CIRCUIT (2016-18)

DTC Description	DTC
B1232 A short in the evaporator temperature sensor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1232 A short in the evaporator temperature sensor circuit	

   Is DTC B1232, Error on the DTC screen A-A6 (with navigation), or 0A (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the evaporator temperature sensor circuit.

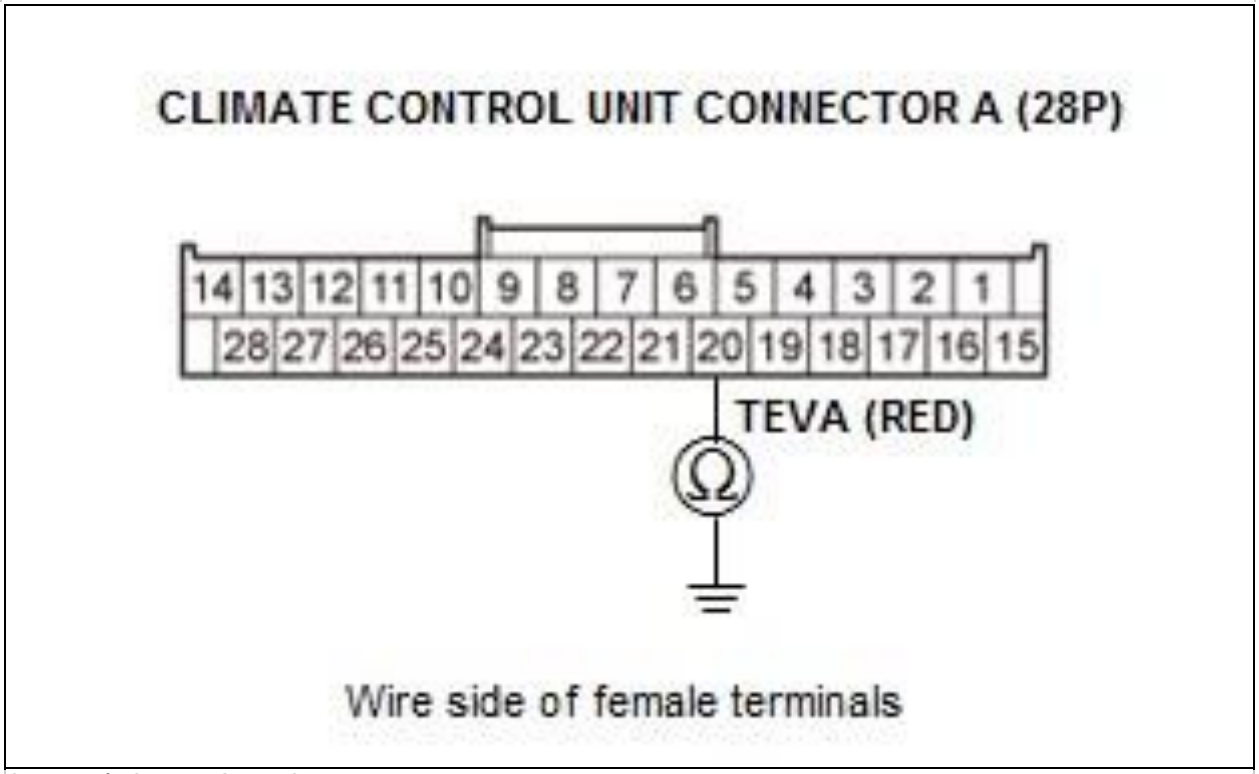
2. Shorted wire check (TEVA/EVAPO TEMP SENSOR line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Evaporator temperature sensor 2P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA/EVAPO TEMP SENSOR
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the TEVA/EVAPO TEMP SENSOR wire.

NO

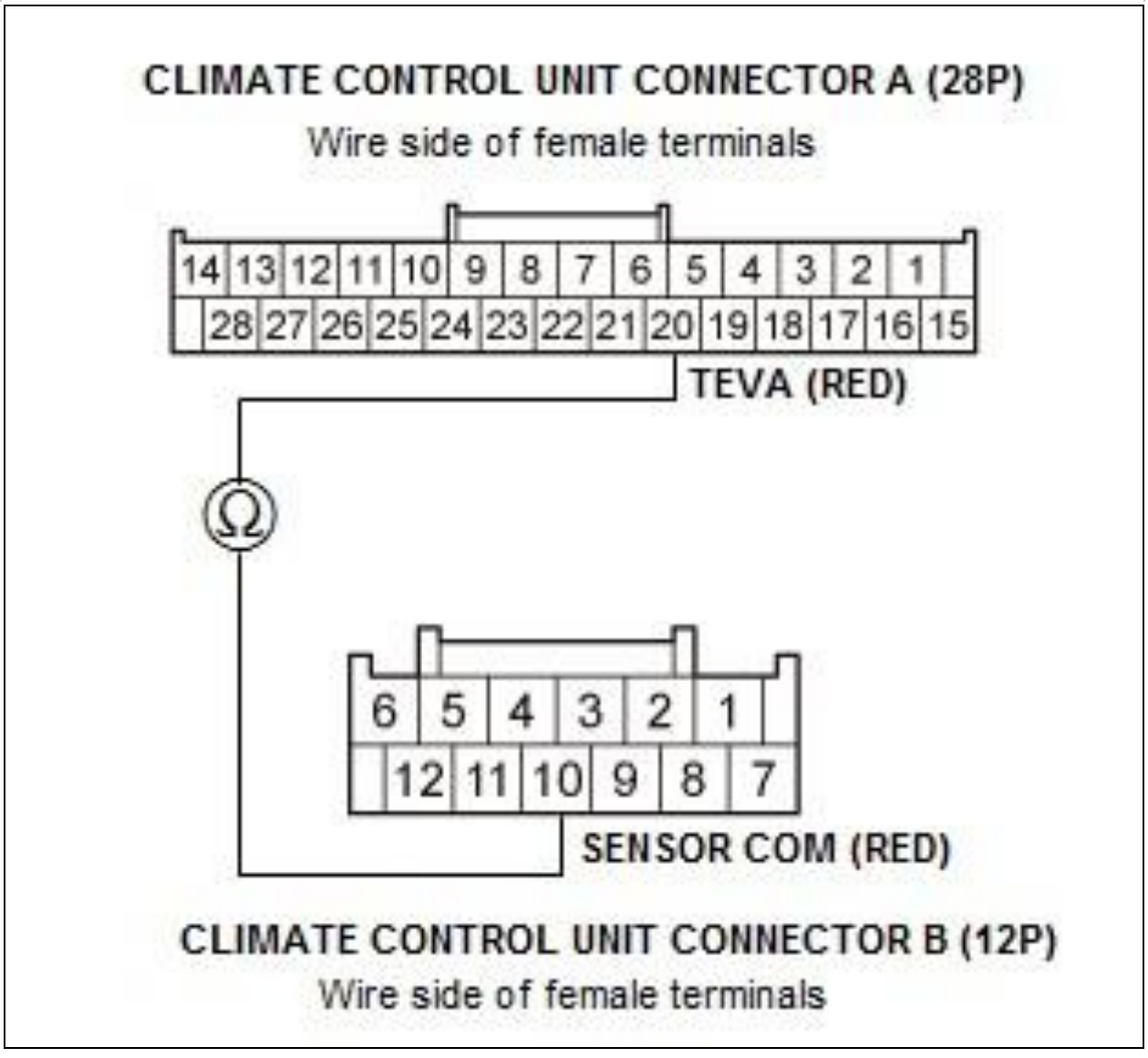
The TEVA/EVAPO TEMP SENSOR wire is not shorted. Go to step 3.

3. Shorted wire check (TEVA/EVAPO TEMP SENSOR line to SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Evaporator temperature sensor 2P connector: disconnected
Test circuit	TEVA/EVAPO TEMP SENSOR, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 20 (RED)
Test point 2	Climate control unit connector B (12P) No. 10 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the TEVA/EVAPO TEMP SENSOR wire to SENSOR COM wire.

NO

The TEVA/EVAPO TEMP SENSOR wire to SENSOR COM wire are OK. Go to step 4.

4. Evaporator temperature sensor check:
   Test the evaporator temperature sensor .
   Is the evaporator temperature sensor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the evaporator temperature sensor .

DTC TROUBLESHOOTING > DTC B1233 (40): AN OPEN IN THE AIR MIX CONTROL MOTOR CIRCUIT (DRIVER'S) (2013-15)

DTC Description	DTC
B1233 An open in the air mix control motor circuit (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1233 An open in the air mix control motor circuit (driver's)	

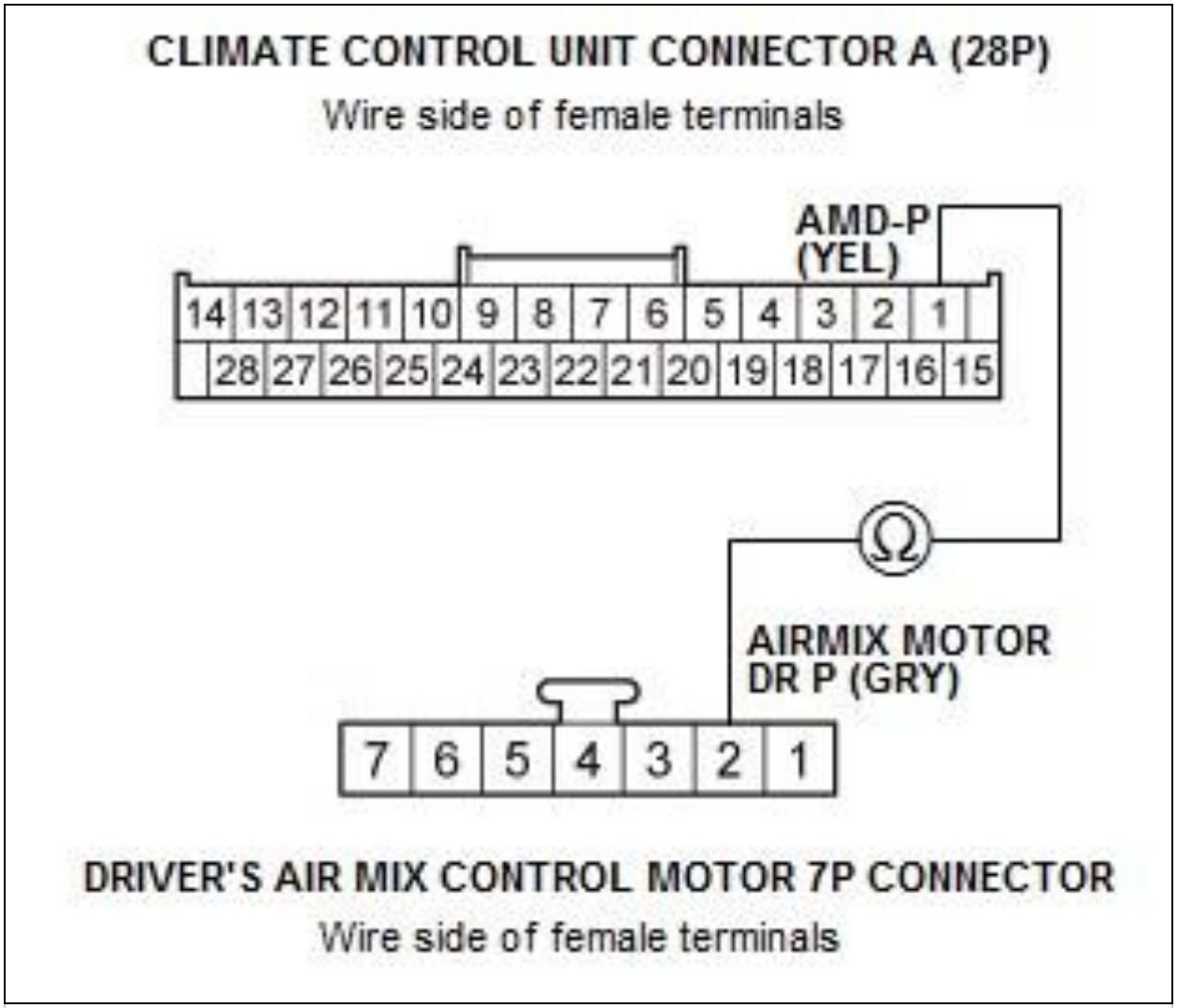
   Is DTC B1233 or 40 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Open wire check (AMD-P/AIRMIX MOTOR DR P line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	AMD-P/AIRMIX MOTOR DR P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Driver's air mix control motor 7P connector No. 2 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The AMD-P/AIRMIX MOTOR DR P wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the driver's air mix control motor.

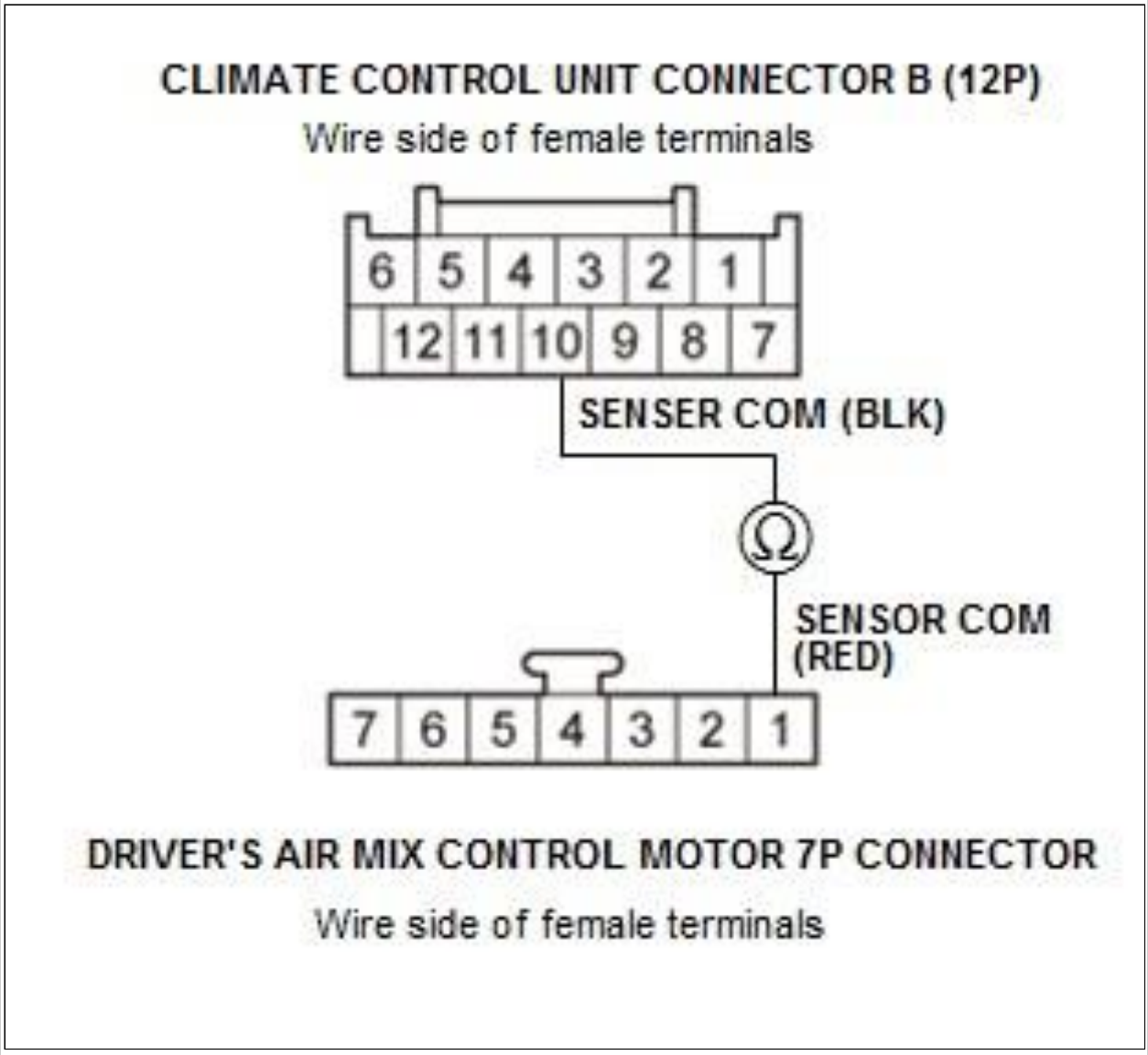
3. Open wire check (SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected

Test circuit	SENSOR COM/SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Driver's air mix control motor 7P connector No. 1 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM/SENSOR COM wire is not open. Go to step 4.

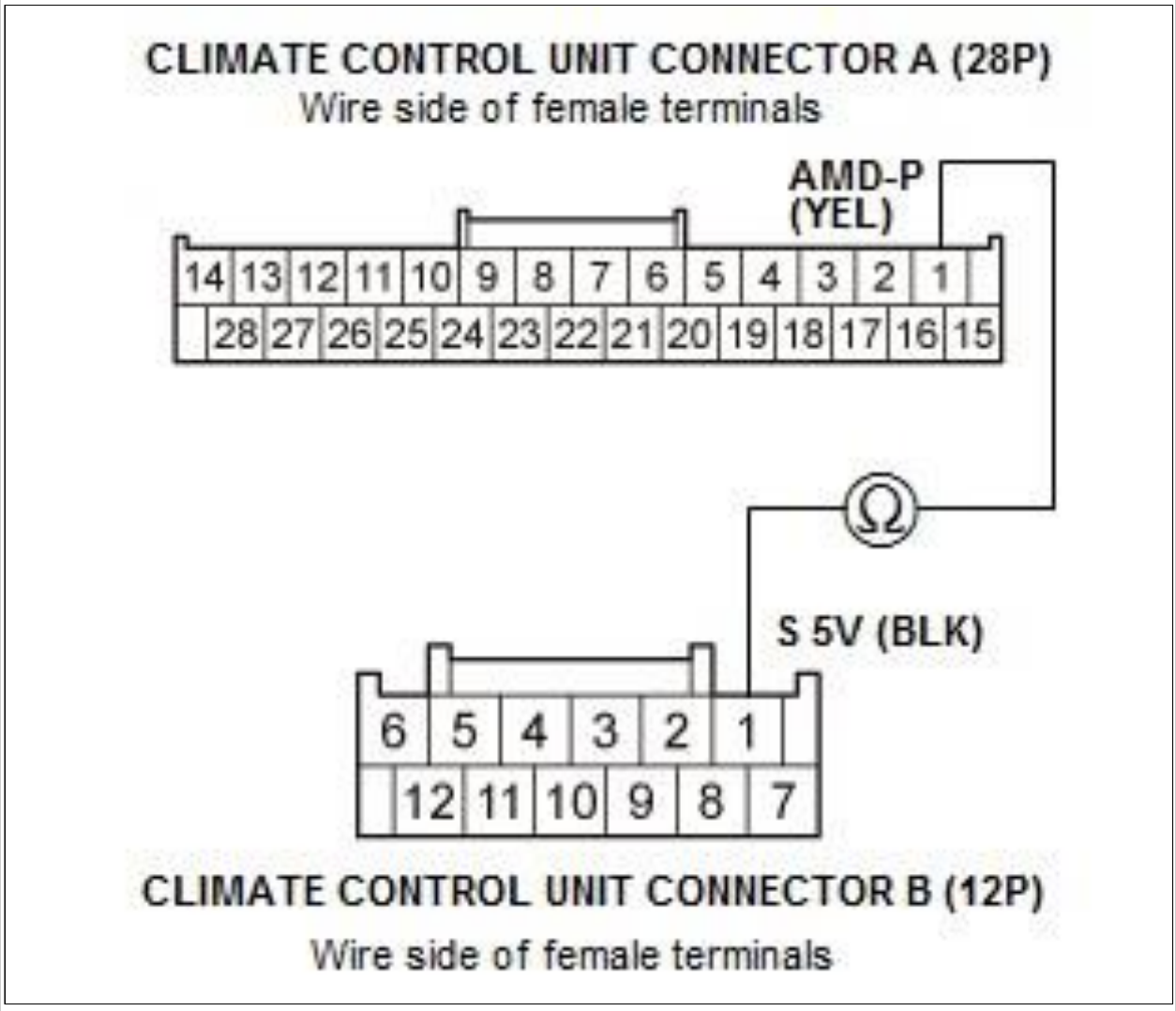
NO

Repair an open in the wire between the climate control unit and the driver's air mix control motor.

4. Shorted wire check (S 5V/SENSOR 5V line to AMD-P/AIRMIX MOTOR DR P line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	S 5V, AMD-P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

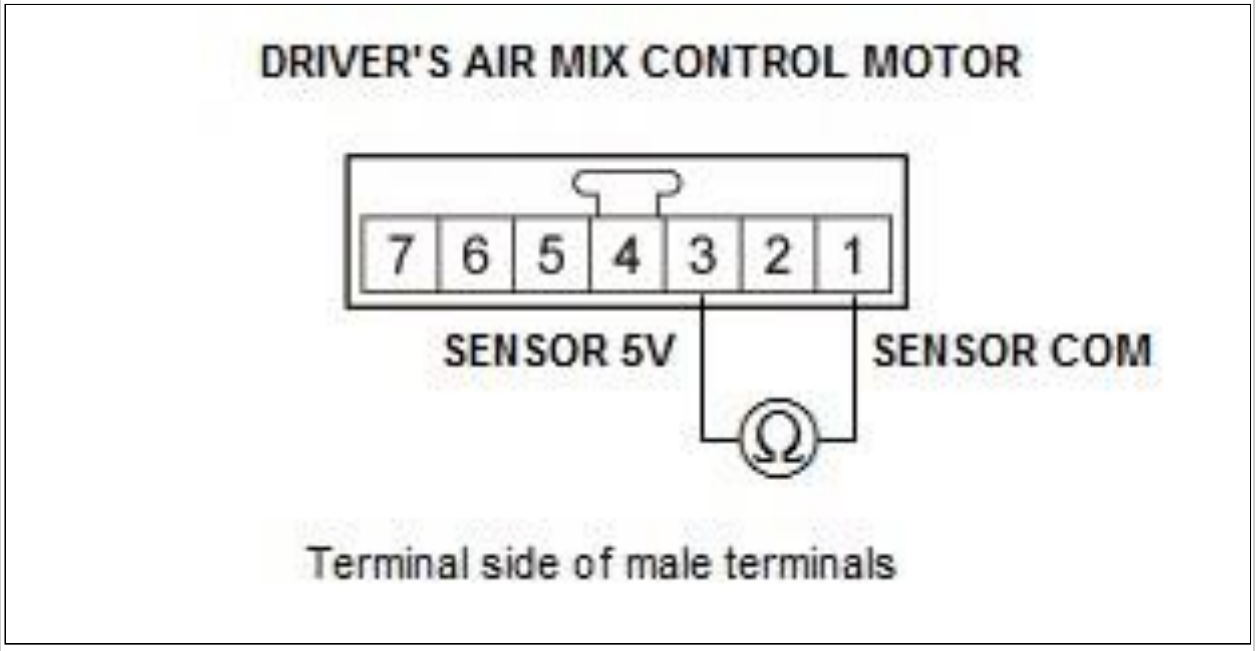
Repair a short in the wires between the climate control unit and the driver's air mix control motor.

NO

The S 5V/SENSOR 5V wire to AMD-P/AIRMIX MOTOR DR P wire are not shorted. Go to step 5.

5. Driver's air mix control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Driver's air mix control motor No. 1
Test point 2	Driver's air mix control motor No. 3



Courtesy of HONDA, U.S.A., INC.

Is the resistance 6 kΩ ± 1.8 kΩ?

YES

Go to step 6.

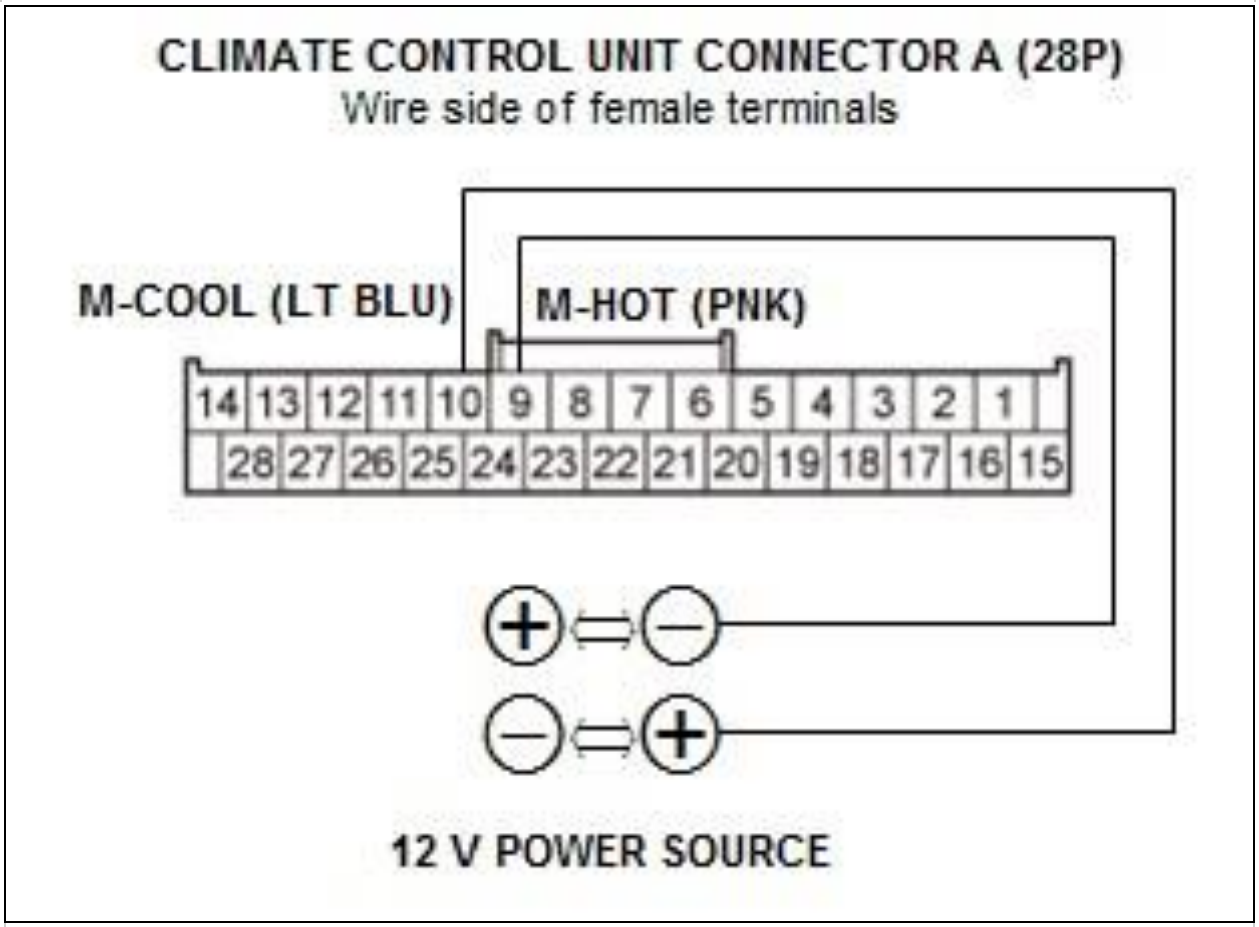
NO

Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

6. Driver's air mix control motor internal resistance check (S 5V and AMD-P):
   Reconnect the driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 9 (PNK)
Terminal B	Climate control unit connector A (28P) No. 10 (LT BLU)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



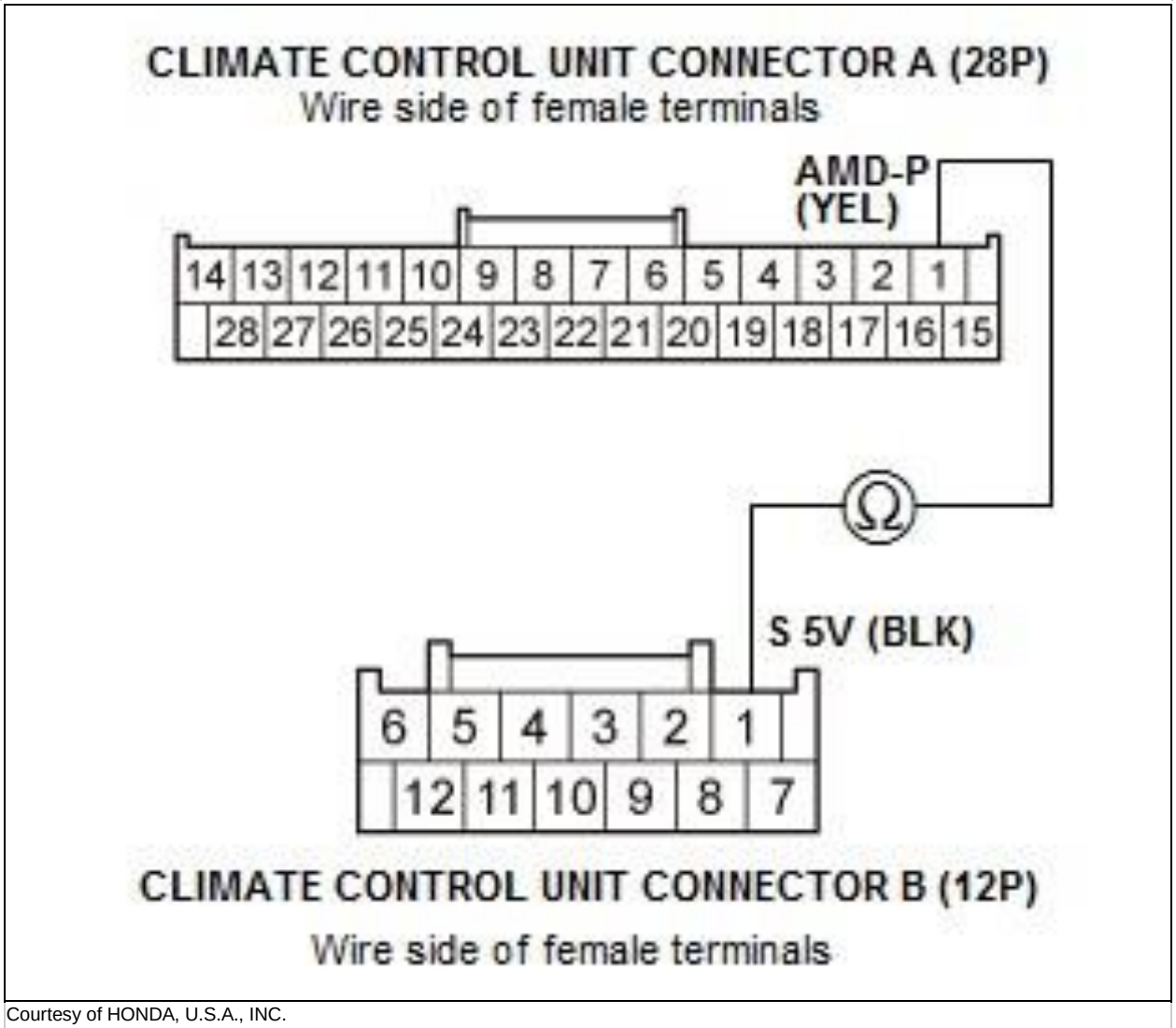
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	S 5V, AMD-P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)

Test point 2	Climate control unit connector B (12P) No. 1 (BLK)

NOTE: Continuity between S 5V and AMD-P may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

DTC TROUBLESHOOTING > DTC B1233 (B-A1), B1233 (40): AN OPEN IN THE AIR MIX CONTROL MOTOR CIRCUIT (DRIVER'S) (2016-18)

DTC Description	DTC
B1233 An open in the air mix control motor circuit (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1233 An open in the air mix control motor circuit (driver's)	

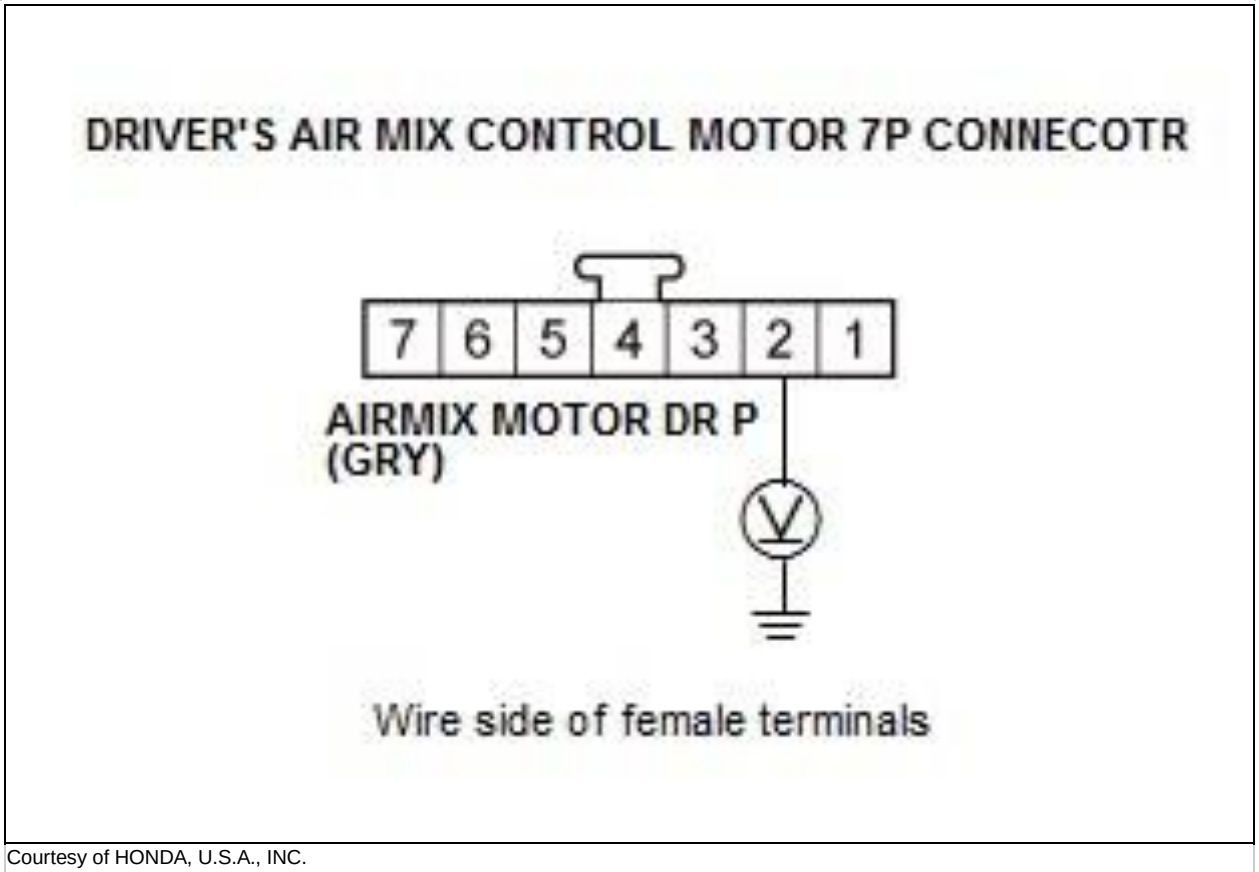
   Is DTC B1233, Error on the DTC screen B-A1 (with navigation), or 40 (without navigation) indicated? **YES**
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Determine possible failure area (AMD-P/AIRMIX MOTOR DR P line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Press the engine start/stop button to select the ON mode. -
   4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Driver's air mix control motor 7P connector: disconnected
Test circuit	AIRMIX MOTOR DR P
Test point 1	Driver's air mix control motor 7P connector No. 2 (GRY)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

The AMD-P/AIRMIX MOTOR DR P wire is OK. Go to step 3.

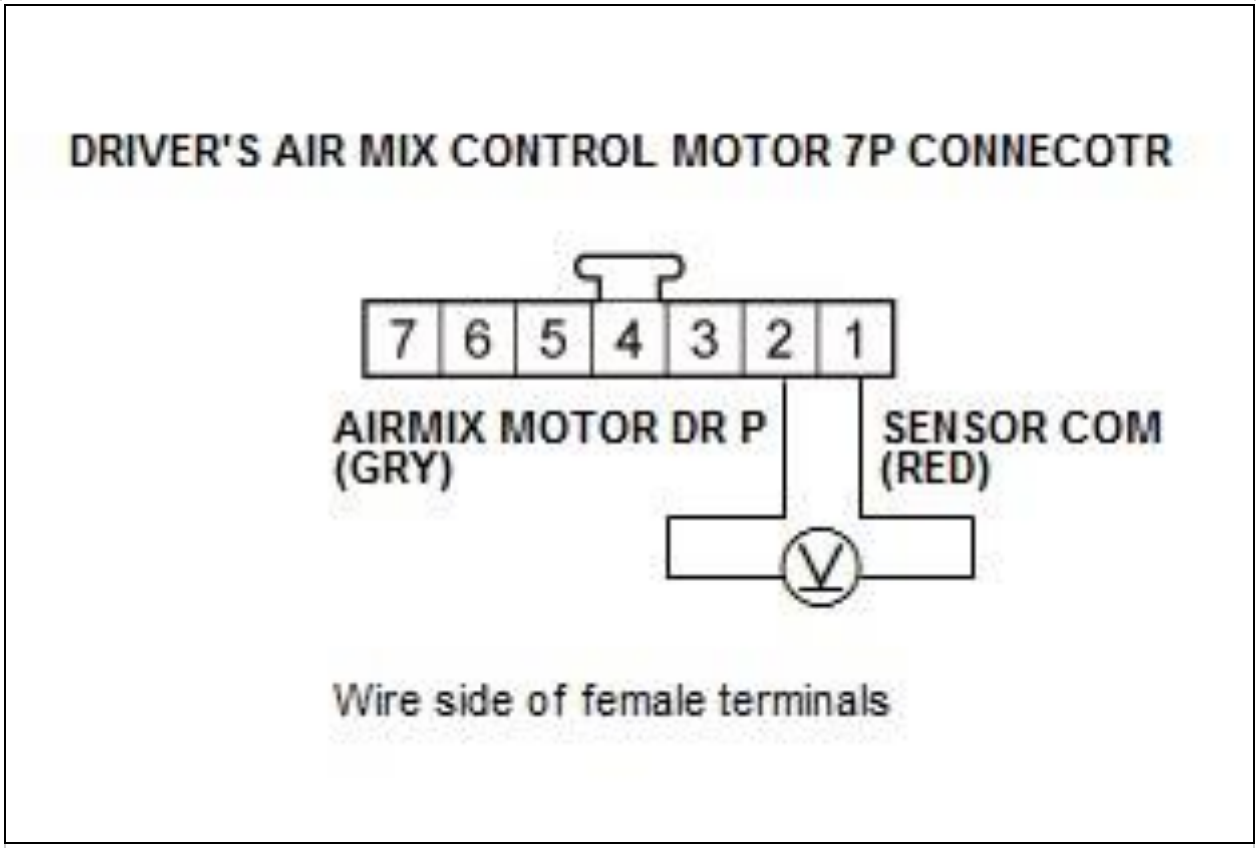
NO

Go to step 4.

3. Open wire check (SENSOR COM line):

Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Driver's air mix control motor 7P connector: disconnected
Test circuit	SENSOR COM, AIRMIX MOTOR DR P
Test point 1	Driver's air mix control motor 7P connector No. 1 (RED)
Test point 2	Driver's air mix control motor 7P connector No. 2 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

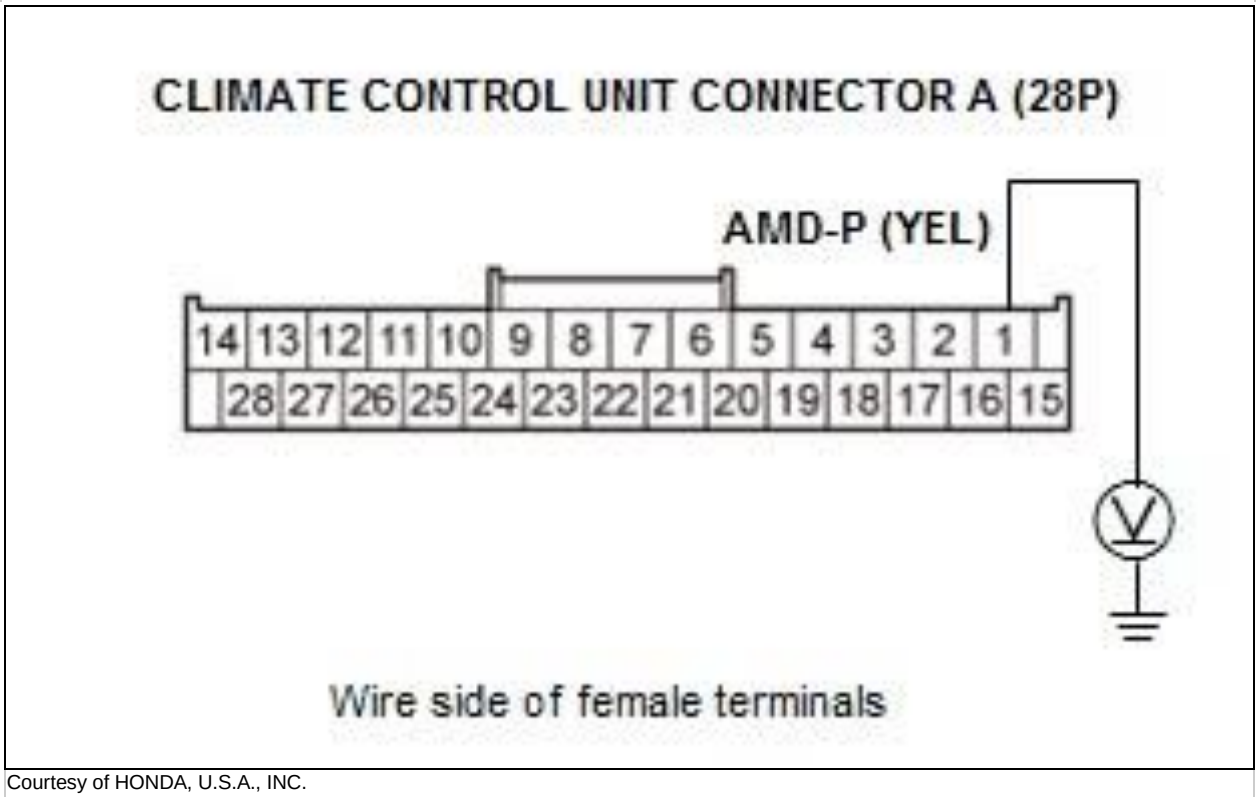
Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

NO

Repair an open in the SENSOR COM wire.

4. Open wire check (AMD-P/AIRMIX MOTOR DR P line): Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Driver's air mix control motor 7P connector: disconnected
Test circuit	AMD-P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the AMD-P/AIRMIX MOTOR DR P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1234 (41): A SHORT IN THE AIR MIX CONTROL MOTOR CIRCUIT (DRIVER'S) (2013-15)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1234 A short in the air mix control motor circuit (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1234 A short in the air mix control motor circuit (driver's)	

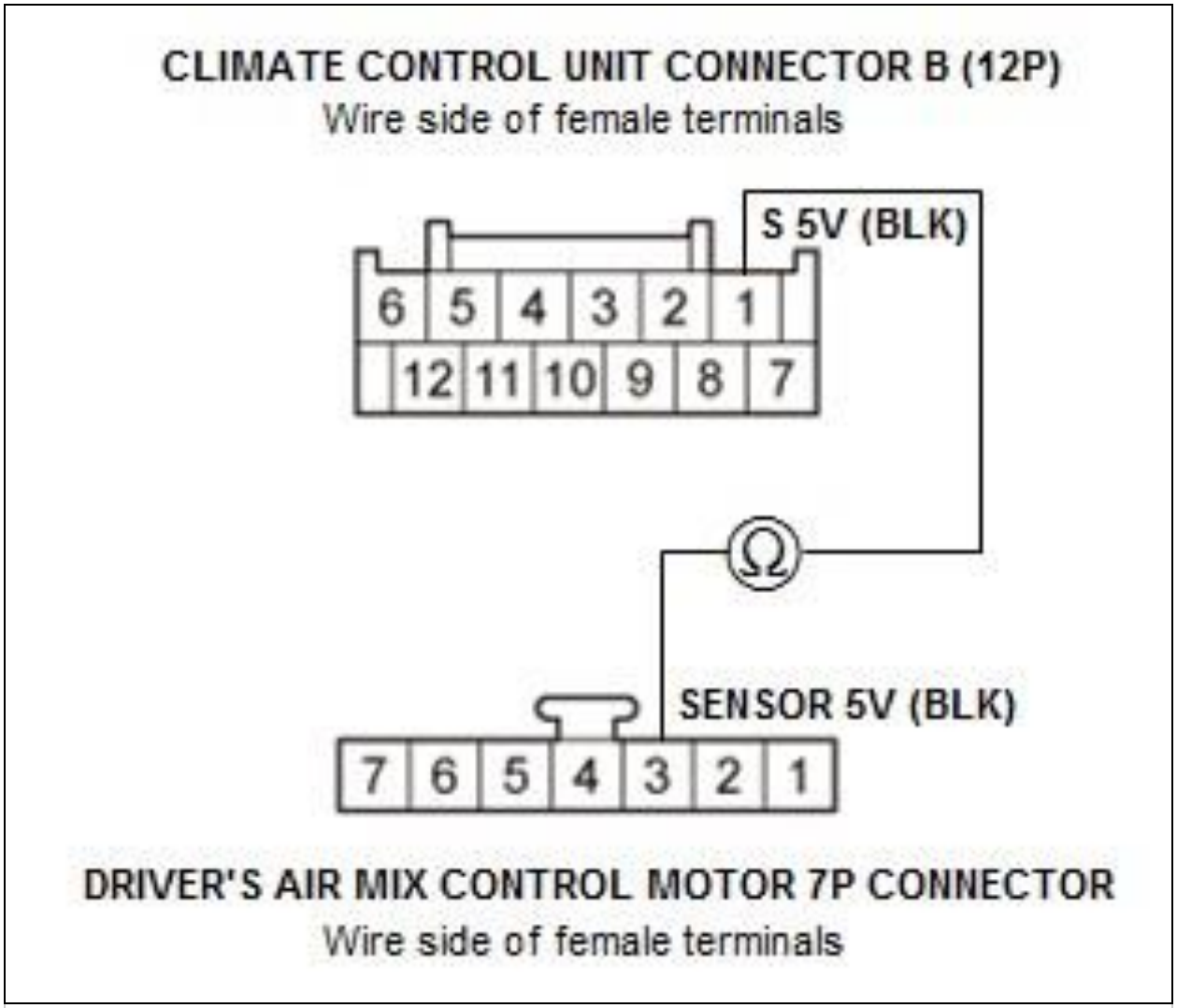
   Is DTC B1234 or 41 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Open wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector B (12P)
Driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	S 5V/SENSOR 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Driver's air mix control motor 7P connector No. 3 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The S 5V/SENSOR 5V wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the driver's air mix control motor.

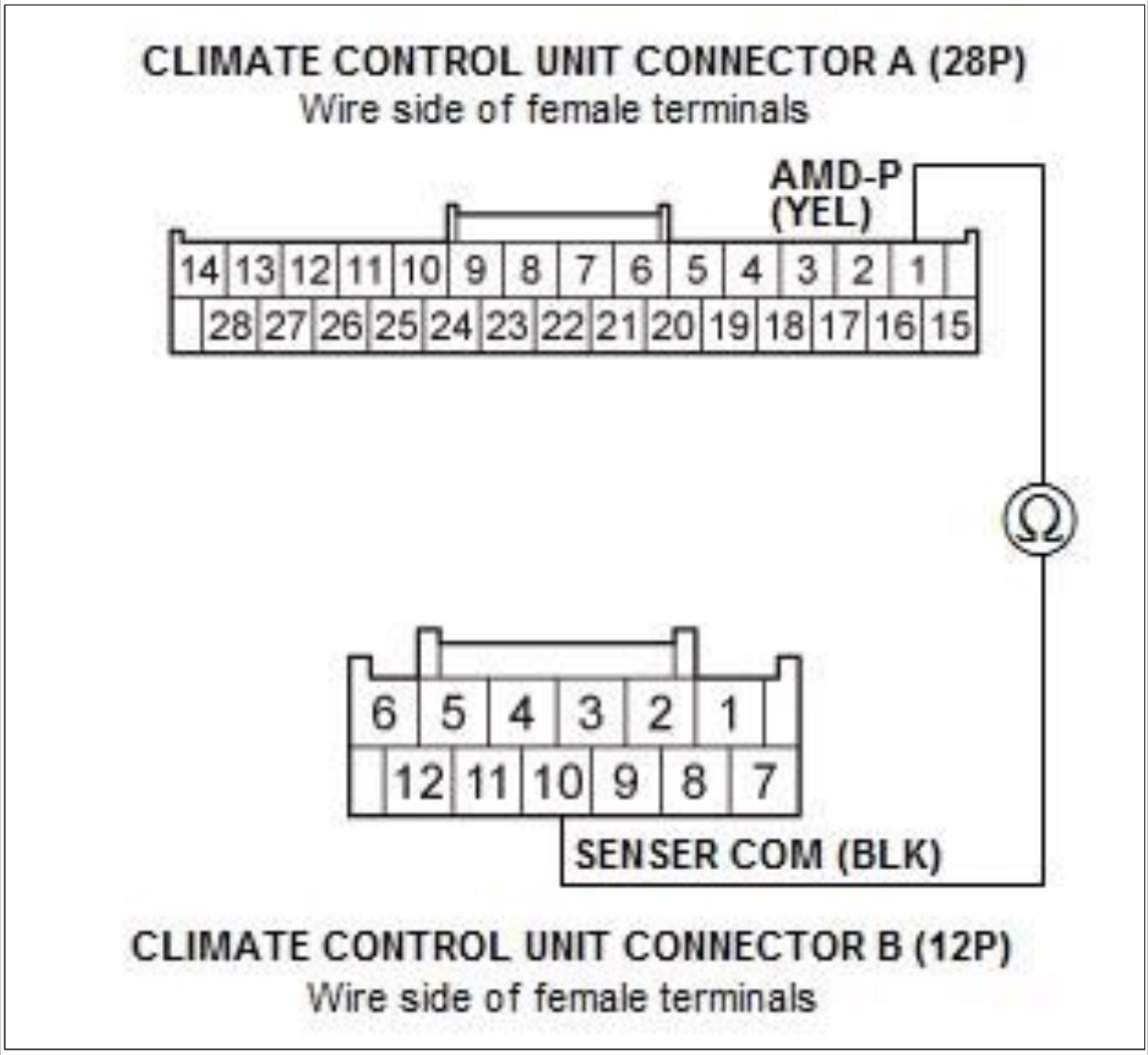
3. Shorted wire check (AMD-P/AIRMIX MOTOR DR P line to SENSOR COM/SENSOR COM line):
   Disconnect the following connector.

Climate control unit connector A (28P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected

Test circuit	AMD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the driver's air mix control motor.

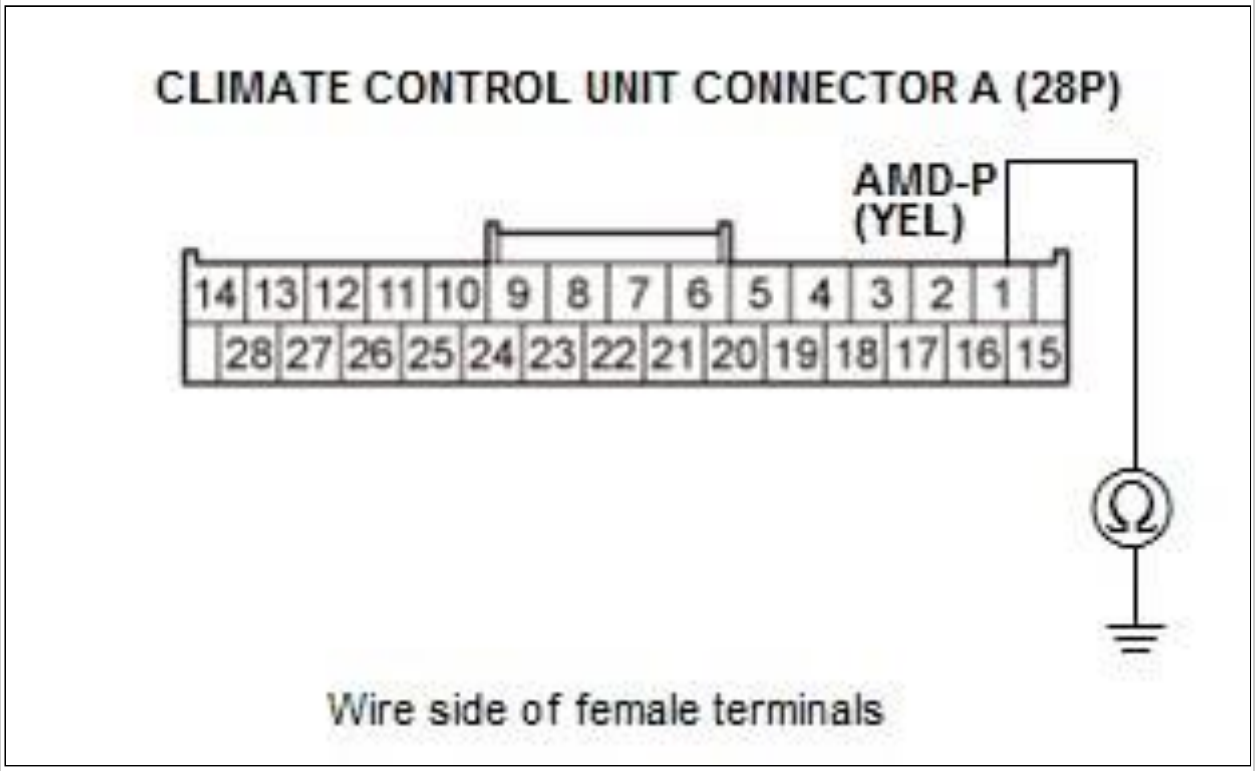
NO

The AMD-P/AIRMIX MOTOR DR P wire to SENSOR COM/SENSOR COM wire are not shorted. Go to step 4.

4. Shorted wire check (AMD-P/AIRMIX MOTOR DR P line): Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	AMD-P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the driver's air mix control motor.

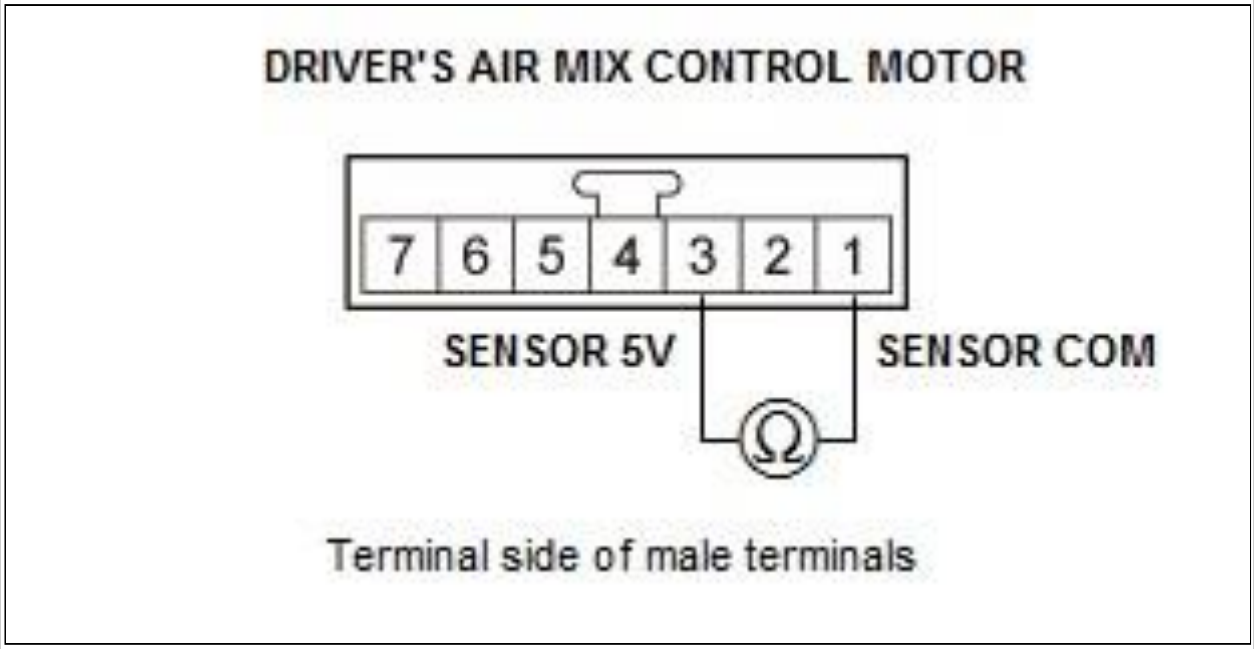
NO

The AMD-P/AIRMIX MOTOR DR P wire is OK. Go to step 5.

5. Driver's air mix control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Driver's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Driver's air mix control motor No. 1
Test point 2	Driver's air mix control motor No. 3



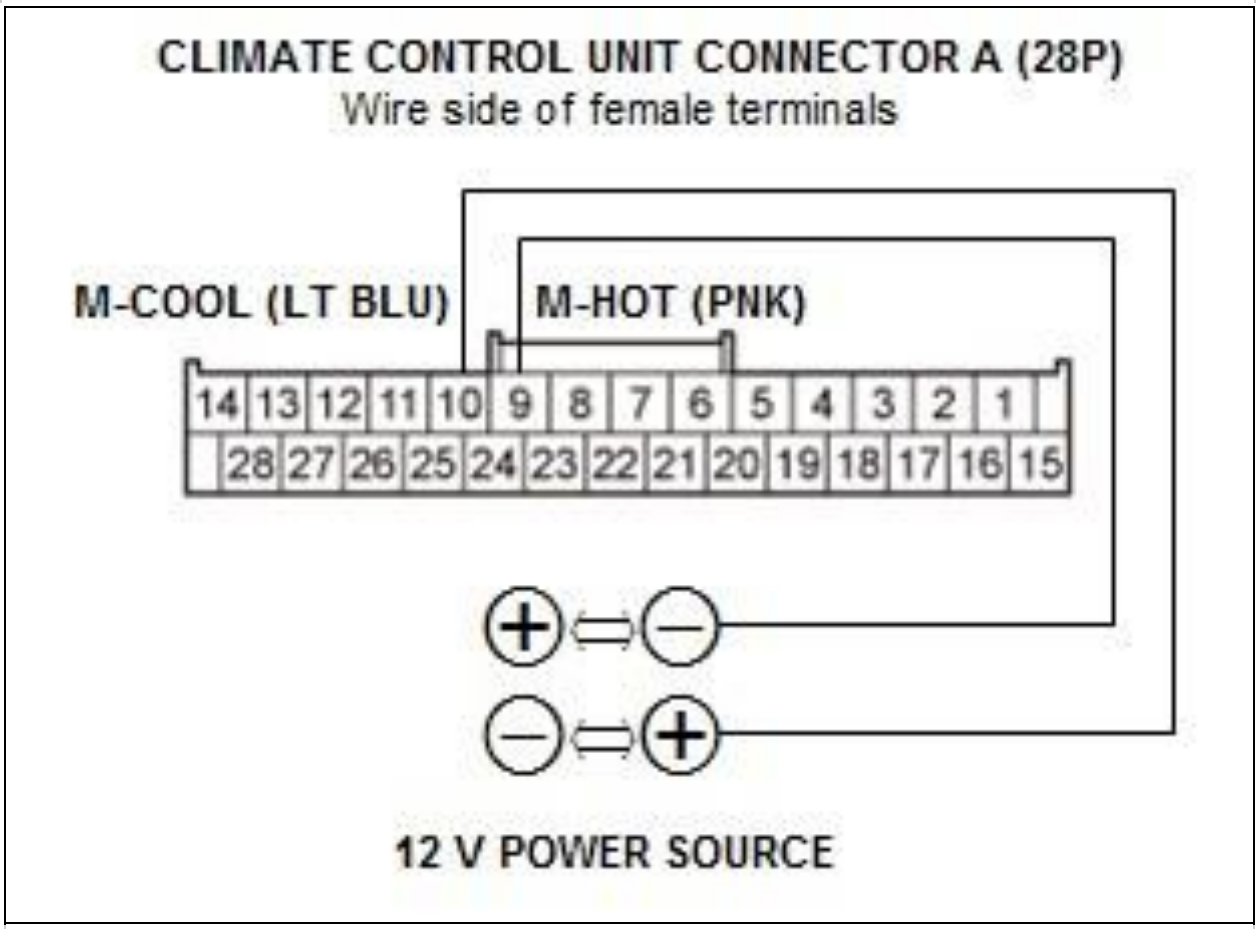
Courtesy of HONDA, U.S.A., INC.

Is there resistance 6 kΩ±1.8 kΩ?
YES
Go to step 6.
NO
Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

6. Driver's air mix control motor internal resistance check (AMD-P and SENSOR COM):
   Reconnect the driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 9 (PNK)
Terminal B	Climate control unit connector A (28P) No. 10 (LT BLU)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



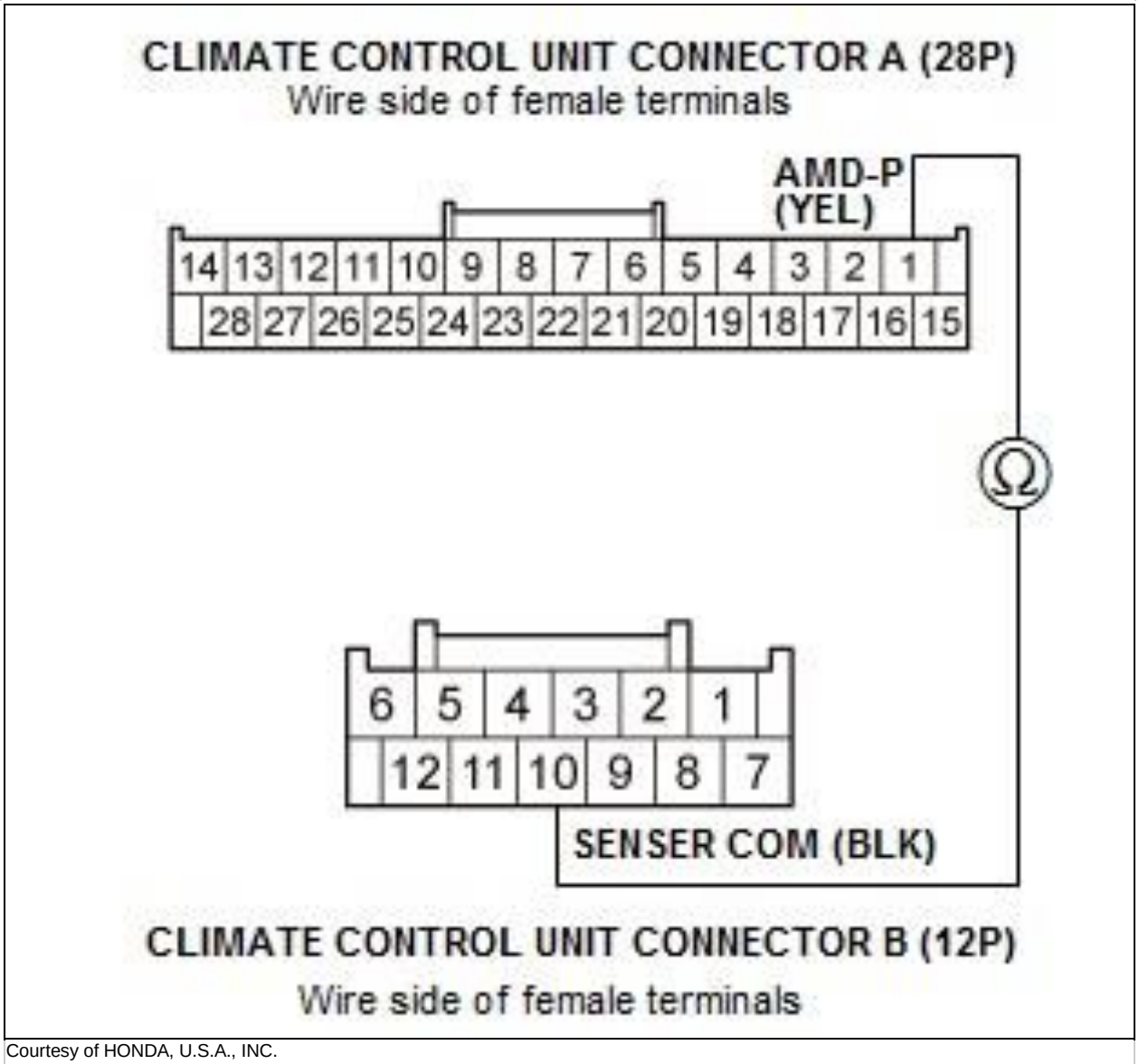
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	AMD-P, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)

Test point 2	Climate control unit connector B (12P) No. 10 (BLK)

NOTE: Continuity between AMD-P and SENSOR COM may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

DTC TROUBLESHOOTING > DTC B1234 (B-A2), B1234 (41): A SHORT IN THE AIR MIX CONTROL MOTOR CIRCUIT (DRIVER'S) (2016-18)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1234 A short in the air mix control motor circuit (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1234 A short in the air mix control motor circuit (driver's)	

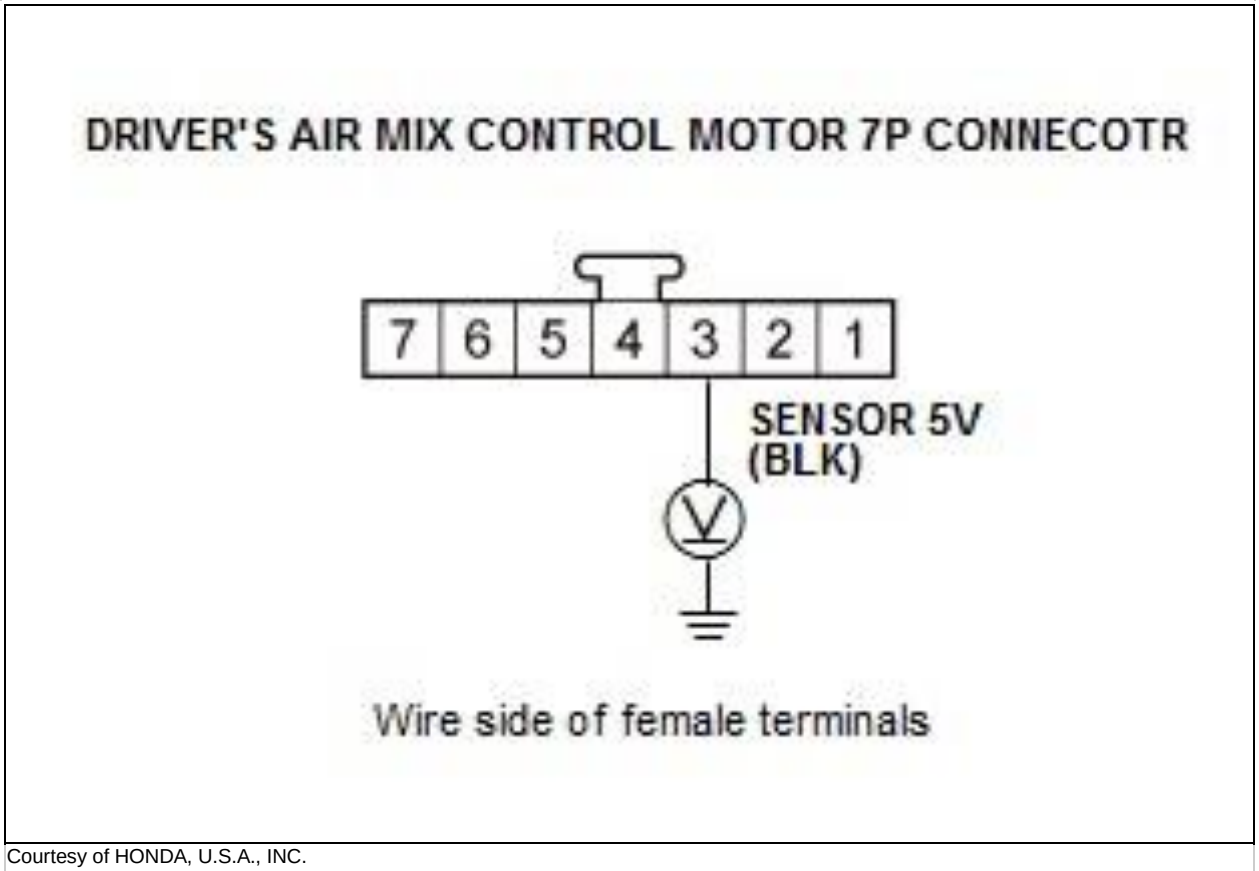
   Is DTC B1234, Error on the DTC screen B-A2 (with navigation), or 41 (without navigation) indicated? **YES**
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Determine possible failure area (S 5V/SENSOR 5V line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Press the engine start/stop button to select the ON mode.- 4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Driver's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V
Test point 1	Driver's air mix control motor 7P connector No. 3 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

The S 5V/SENSOR 5V wire is OK. Go to step 3.

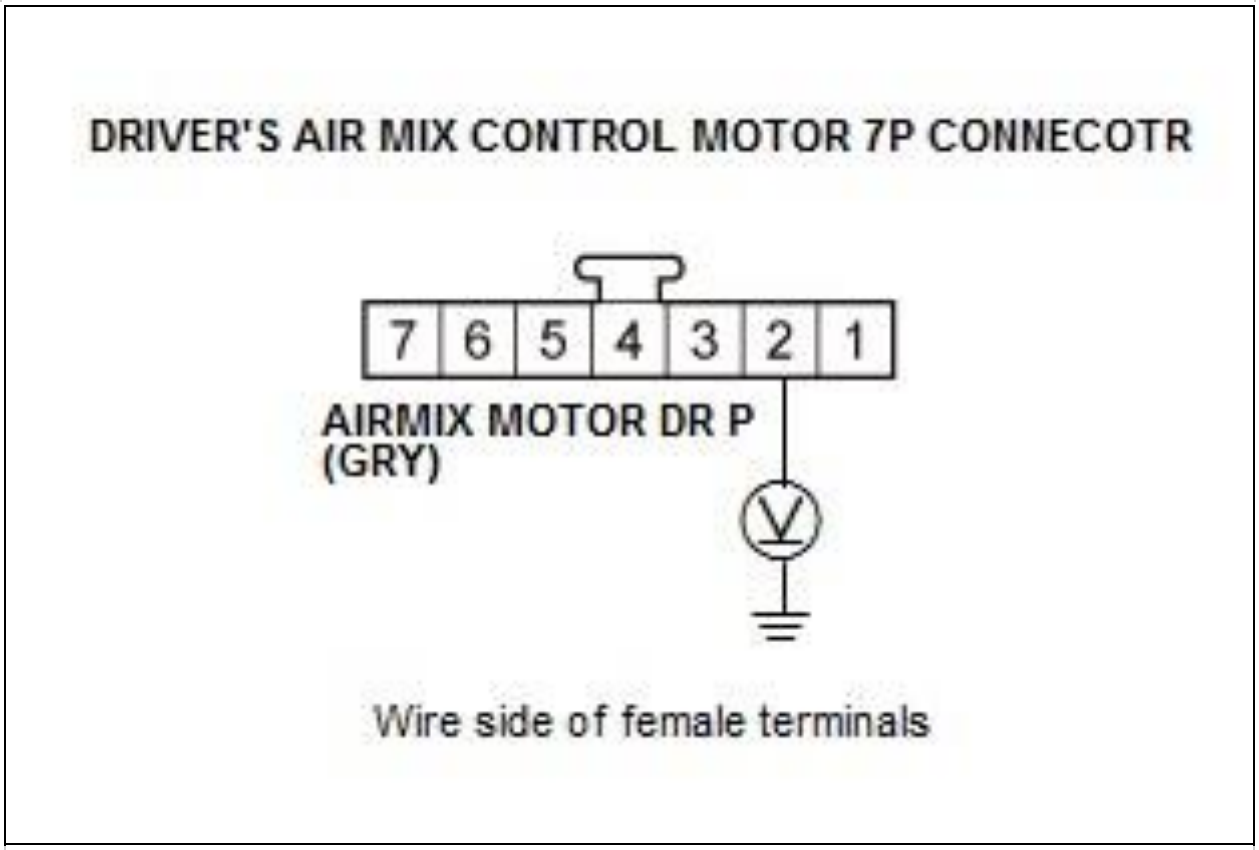
NO

Go to step 4.

3. Determine possible failure area (driver's air mix control motor, others): Measure the voltage between test points 1 and 2.

Test condition	ON mode

	Driver's air mix control motor 7P connector: disconnected
Test circuit	AIRMIX MOTOR DR P
Test point 1	Driver's air mix control motor 7P connector No. 2 (GRY)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

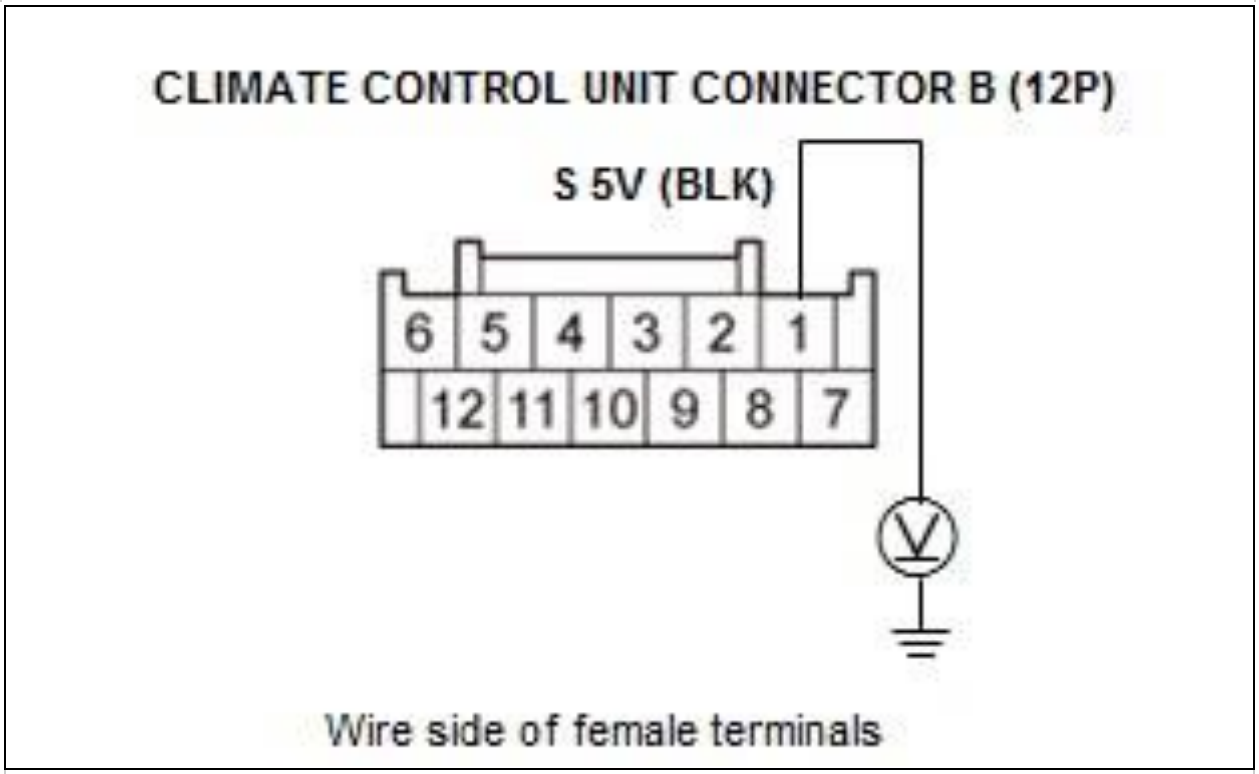
Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

NO

Go to step 6.

4. Open wire check (S 5V/SENSOR 5V line):
   Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Driver's air mix control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the S 5V/SENSOR 5V wire.

NO

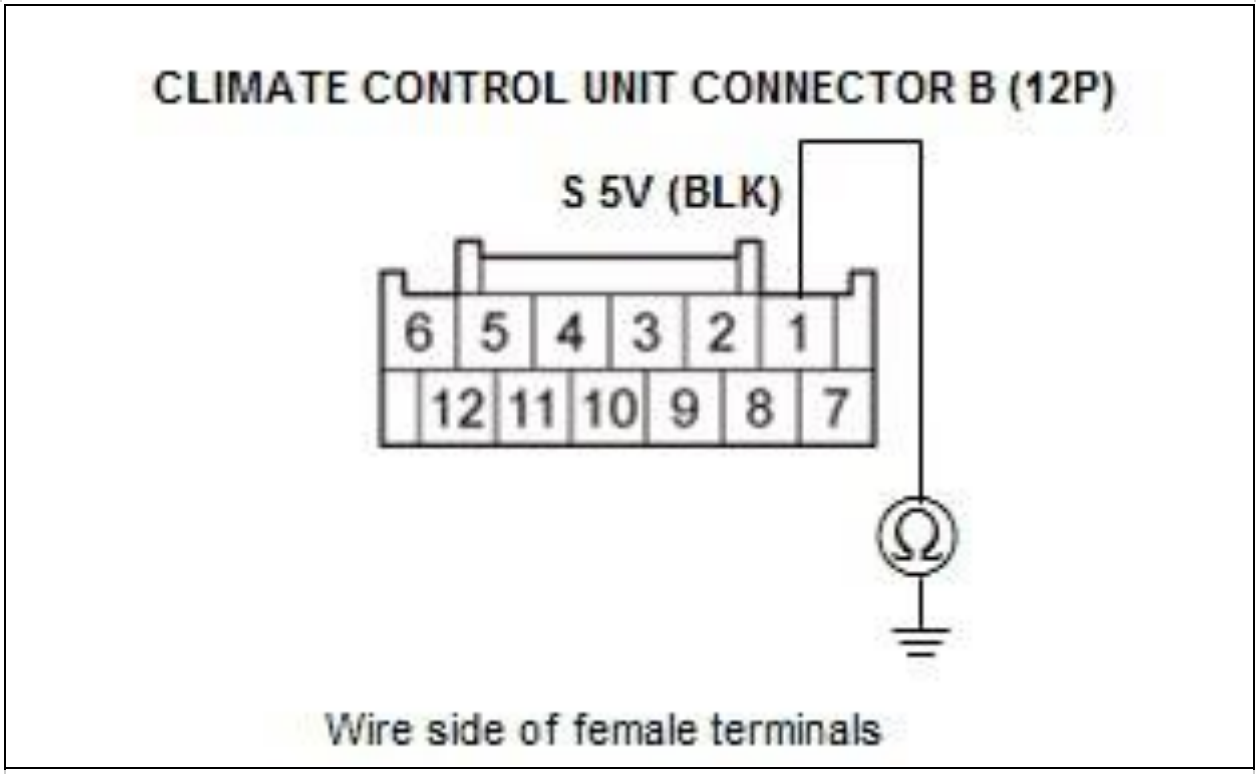
Go to step 5.

5. Shorted wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Climate control unit connector B (12P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the S 5V/SENSOR 5V wire.

NO

Replace the climate control unit .

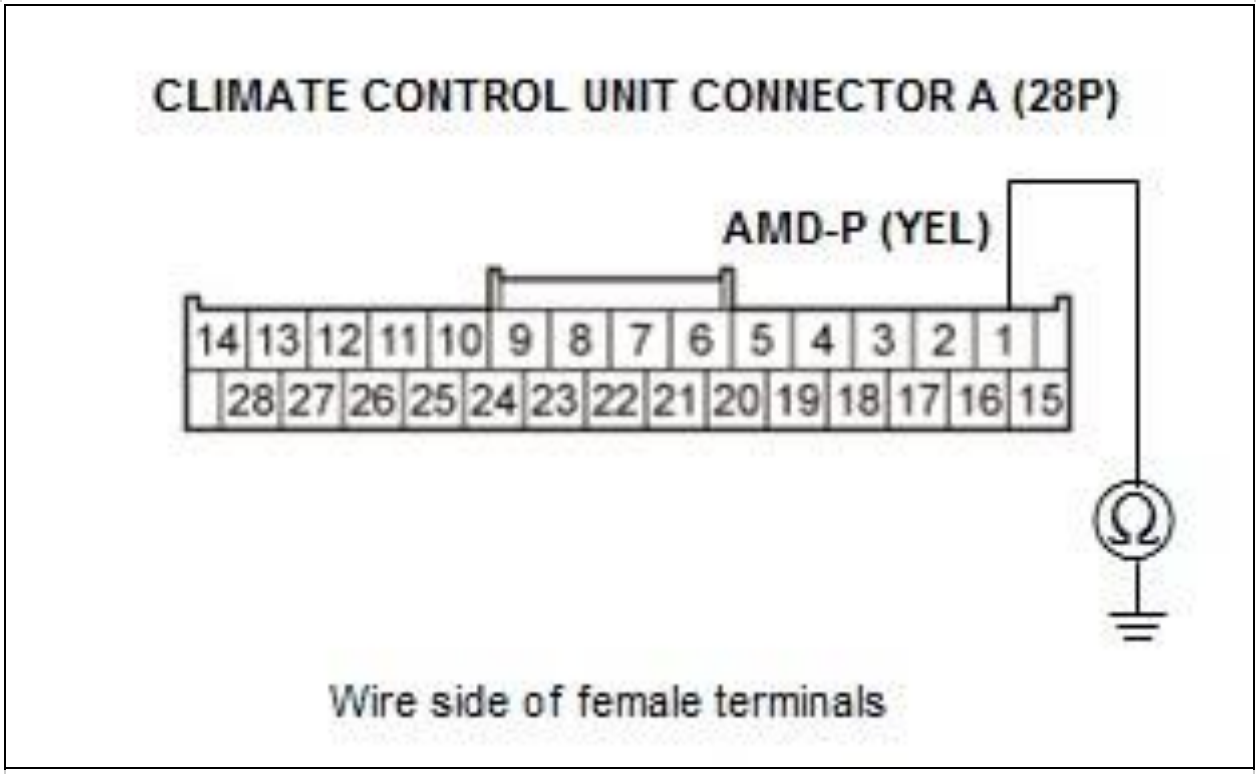
6. Shorted wire check (AMD-P/AIRMIX MOTOR DR P line):

Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connector.

Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	AMD-P
Test point 1	Climate control unit connector A (28P) No. 1 (YEL)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the AMD-P/AIRMIX MOTOR DR P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1235 (42): A PROBLEM IN THE AIR MIX CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (DRIVER'S) (2013-15)

DTC Description	DTC
B1235 A problem in the air mix control motor circuit, linkage, door, or motor (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1235 A problem in the air mix control motor circuit, linkage, door, or motor (driver's)	

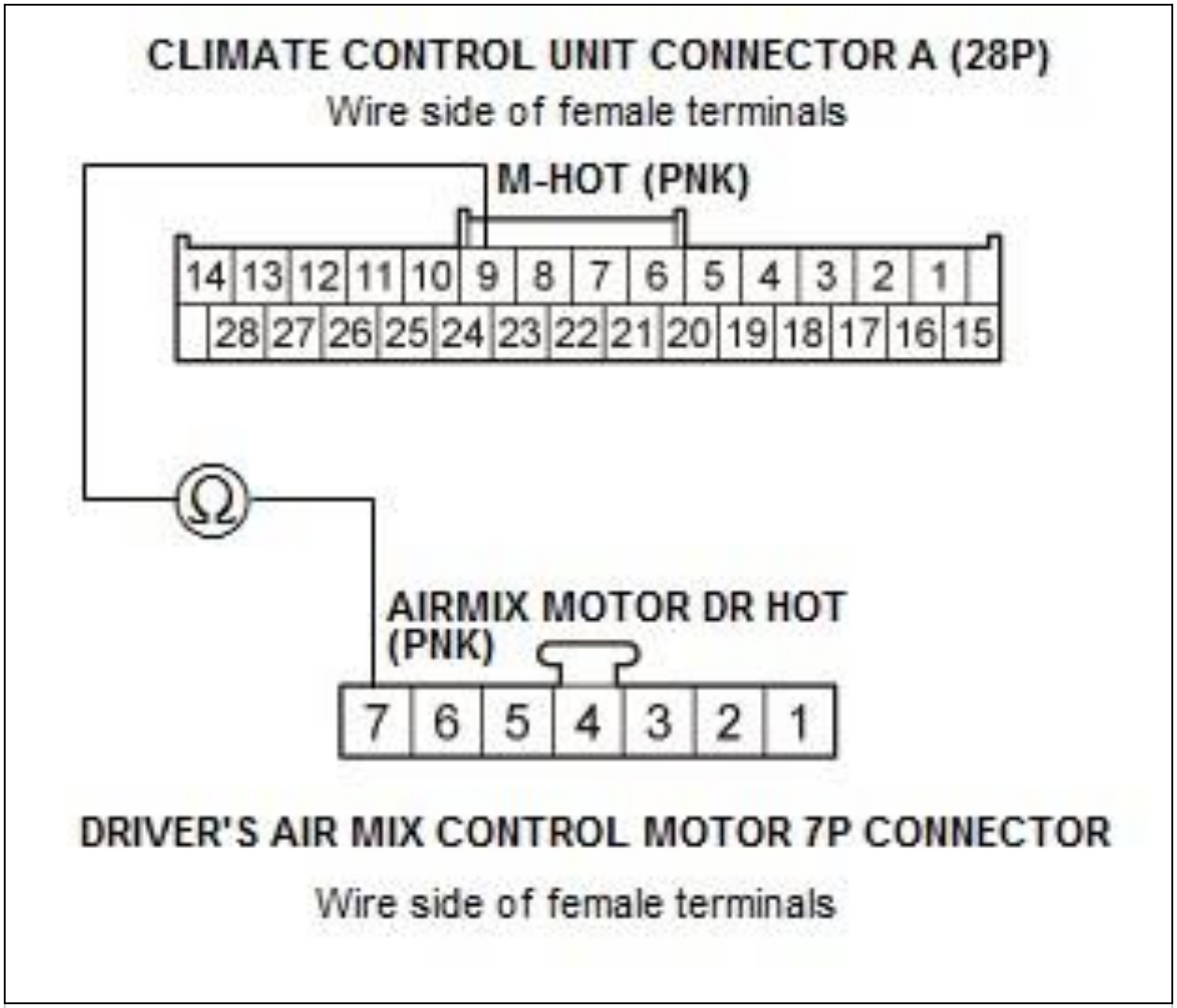
   Is DTC B1235 or 42 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Open wire check (M-HOT/AIRMIX MOTOR DR HOT line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Driver's air mix control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-HOT/AIRMIX MOTOR DR HOT
Test point 1	Climate control unit connector A (28P) No. 9 (PNK)
Test point 2	Driver's air mix control motor 7P connector No. 7 (PNK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The M-HOT/AIRMIX MOTOR DR HOT wire is not open. Go to step 3.

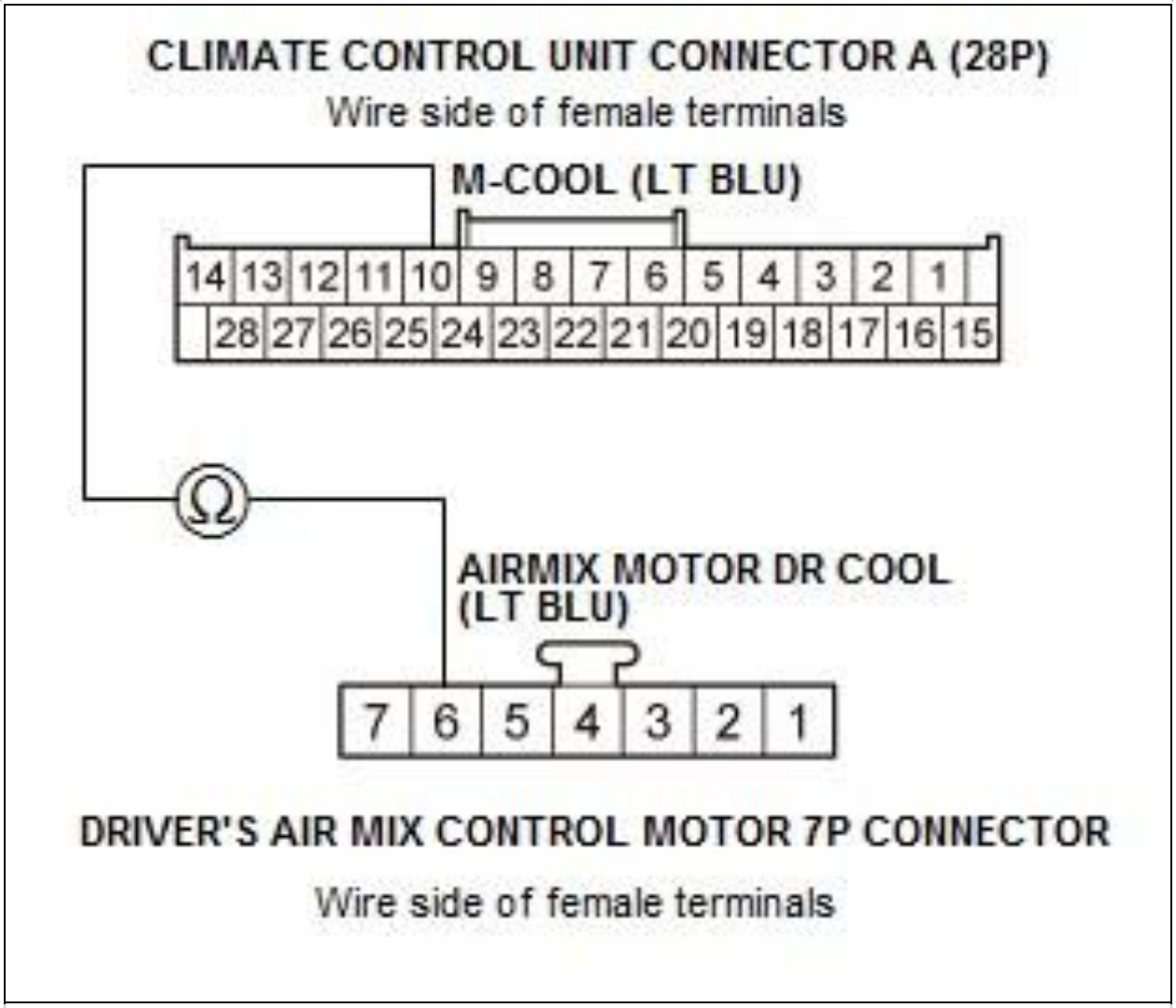
NO

Repair an open in the wire between the climate control unit and the driver's air mix control motor.

3. Open wire check (M-COOL/AIRMIX MOTOR DR COOL line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-COOL/AIRMIX MOTOR DR COOL
Test point 1	Climate control unit connector A (28P) No. 10 (LT BLU)

Test point 2	Driver's air mix control motor 7P connector No. 6 (LT BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The M-COOL/AIRMIX MOTOR DR COOL wire is not open. Go to step 4.

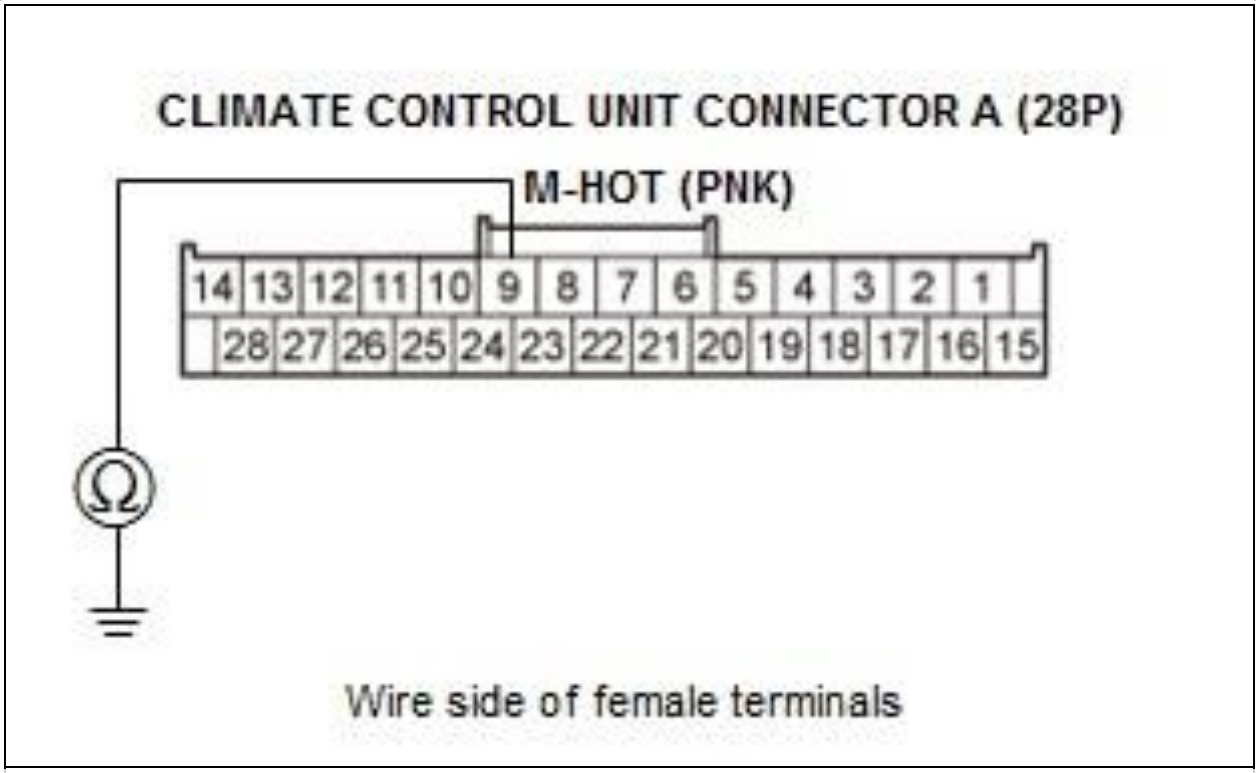
NO

Repair an open in the wire between the climate control unit and the driver's air mix control motor.

4. Shorted wire check (M-HOT/AIRMIX MOTOR DR HOT line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-HOT

Test point 1	Climate control unit connector A (28P) No. 9 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

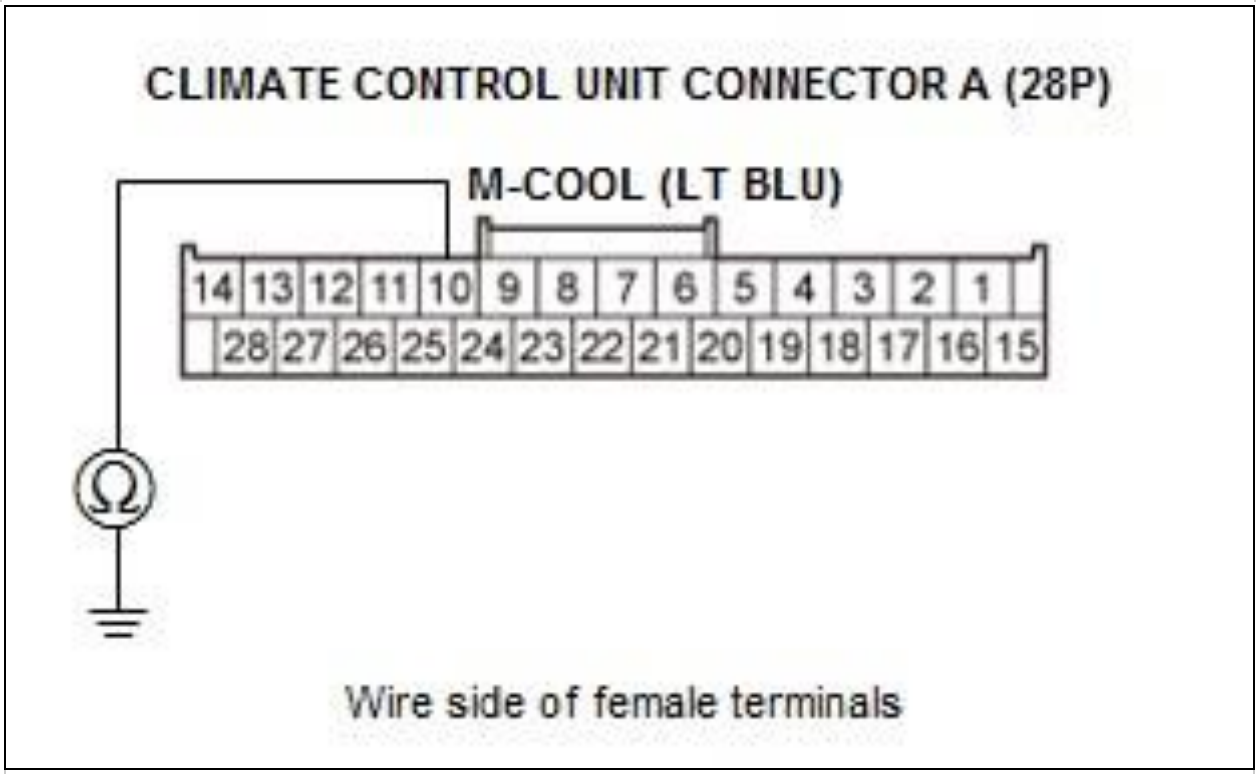
Repair a short to body ground in the wire between the climate control unit and the driver's air mix control motor.

NO

The M-HOT/AIRMIX MOTOR DR HOT wire is OK. Go to step 5.

5. Shorted wire check (M-COOL/AIRMIX MOTOR DR COOL line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-COOL
Test point 1	Climate control unit connector A (28P) No. 10 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the driver's air mix control motor.

NO

The M-COOL/AIRMIX MOTOR DR COOL wire is OK. Go to step 6.

6. Driver's air mix control motor check:
   Test the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Test (2013-18), or Passenger's Air Mix Control Motor Test (2013-18) .
   Is the driver's air mix control motor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) , or repair the driver's air mix control linkage or door.

DTC TROUBLESHOOTING > DTC B1235 (B-A3), B1235 (42): A PROBLEM IN THE AIR MIX CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (DRIVER'S) (2016-18)

DTC Description	DTC
B1235 A problem in the air mix control motor circuit, linkage, door, or motor (driver's)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1235 A problem in the air mix control motor circuit, linkage, door, or motor (driver's)	

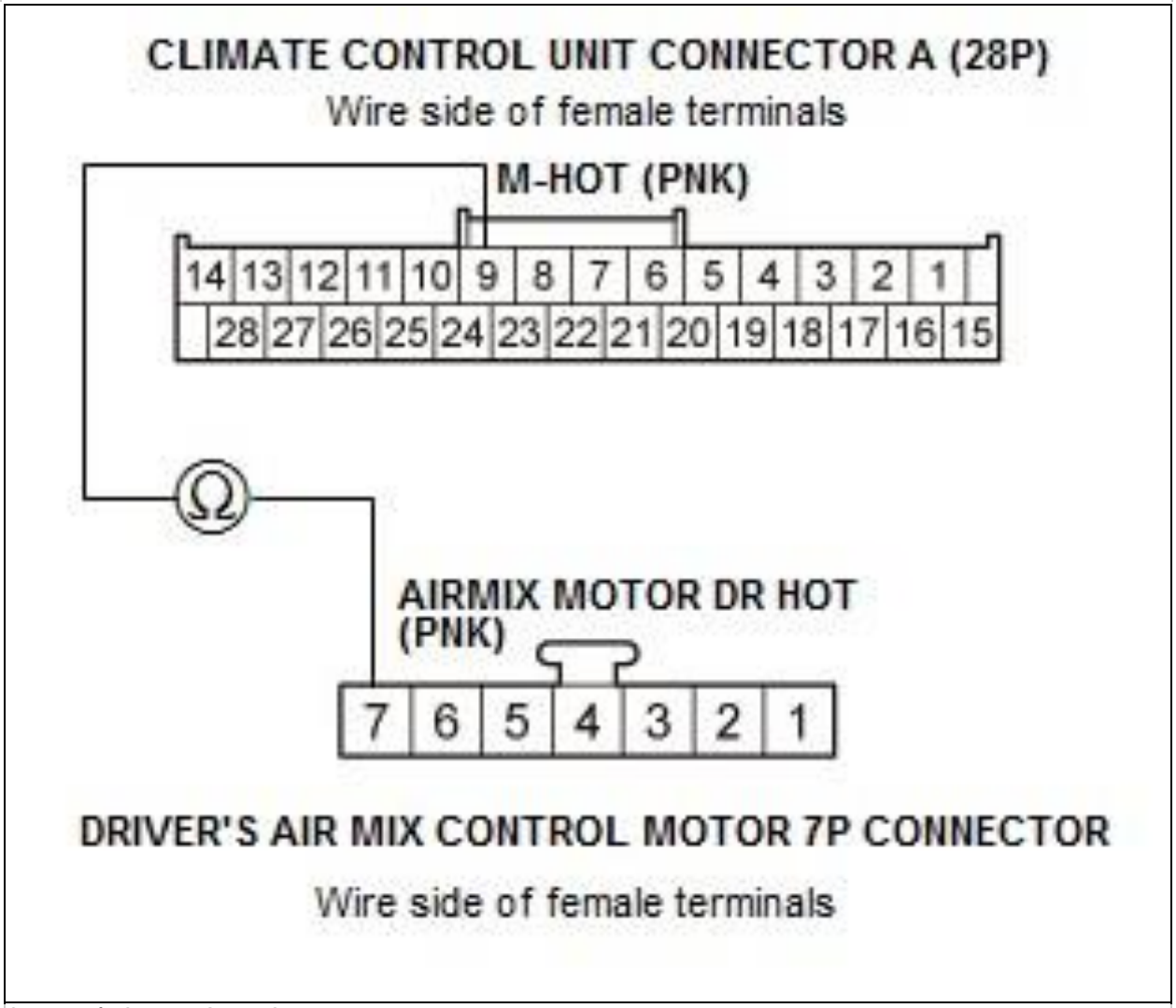
   Is DTC B1235, Error on the DTC screen B-A3 (with navigation), or 42 (without navigation) indicated? **YES**
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the driver's air mix control motor circuit.

2. Open wire check (M-HOT/AIRMIX MOTOR DR HOT line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Driver's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-HOT/AIRMIX MOTOR DR HOT
Test point 1	Climate control unit connector A (28P) No. 9 (PNK)
Test point 2	Driver's air mix control motor 7P connector No. 7 (PNK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

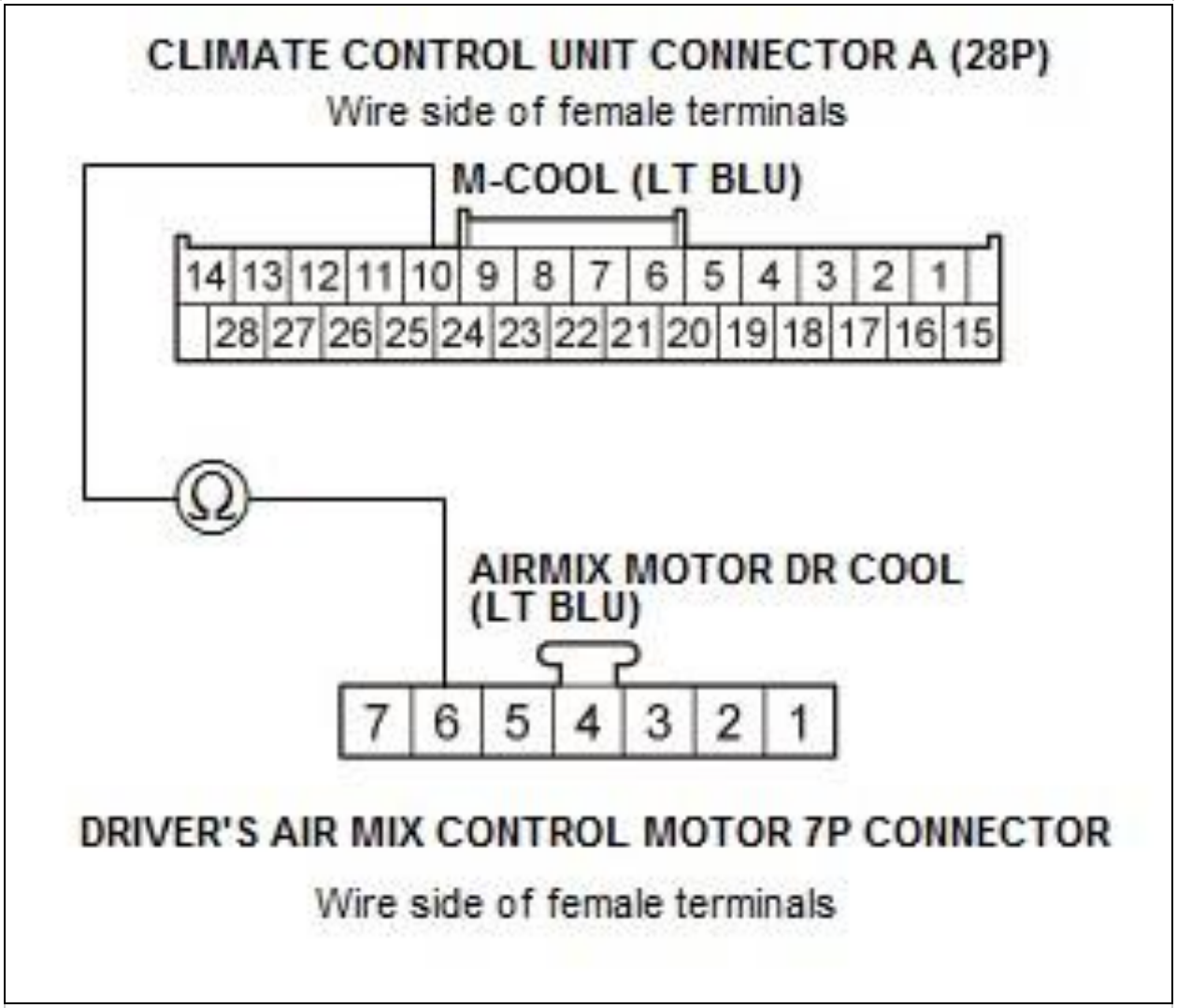
The M-HOT/AIRMIX MOTOR DR HOT wire is not open. Go to step 3.

NO

Repair an open in the M-HOT/AIRMIX MOTOR DR HOT wire.

3. Open wire check (M-COOL/AIRMIX MOTOR DR COOL line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-COOL/AIRMIX MOTOR DR COOL
Test point 1	Climate control unit connector A (28P) No. 10 (LT BLU)
Test point 2	Driver's air mix control motor 7P connector No. 6 (LT BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

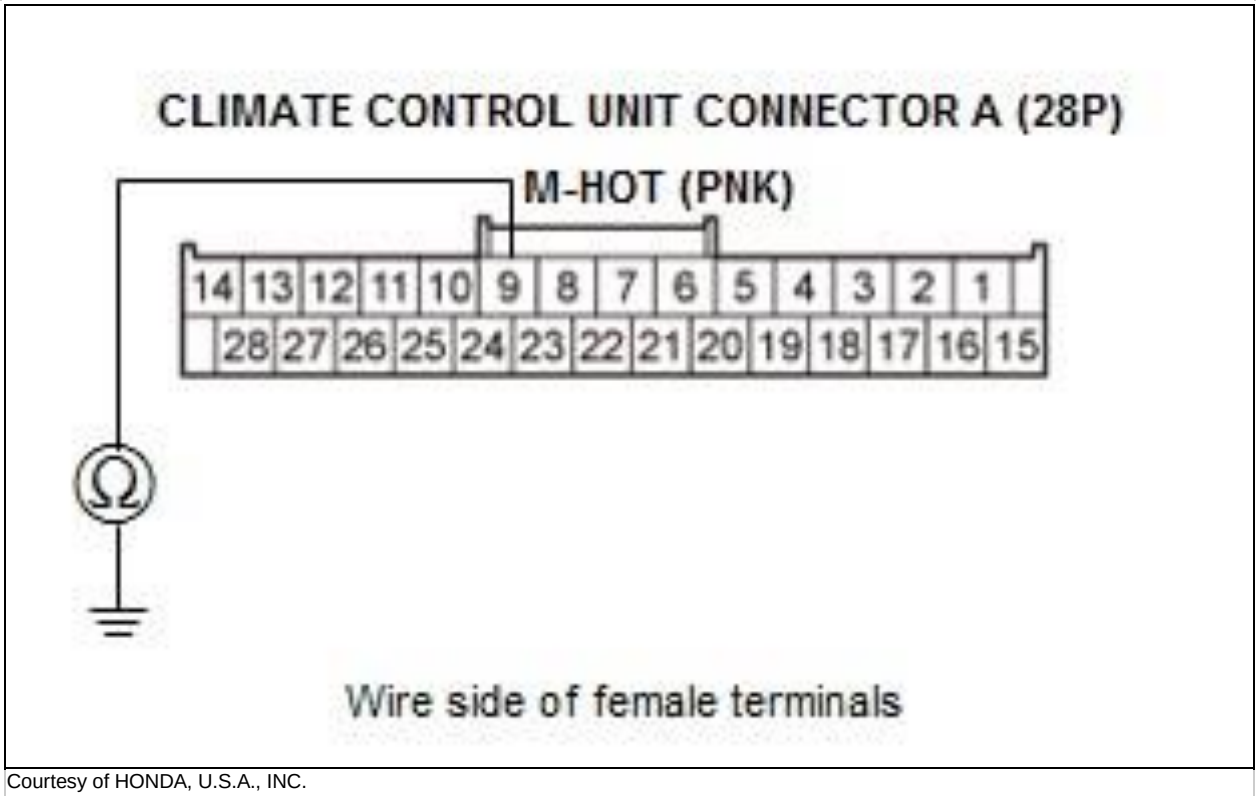
The M-COOL/AIRMIX MOTOR DR COOL wire is not open. Go to step 4.

NO

Repair an open in the M-COOL/AIRMIX MOTOR DR COOL wire.

4. Shorted wire check (M-HOT/AIRMIX MOTOR DR HOT line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-HOT
Test point 1	Climate control unit connector A (28P) No. 9 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

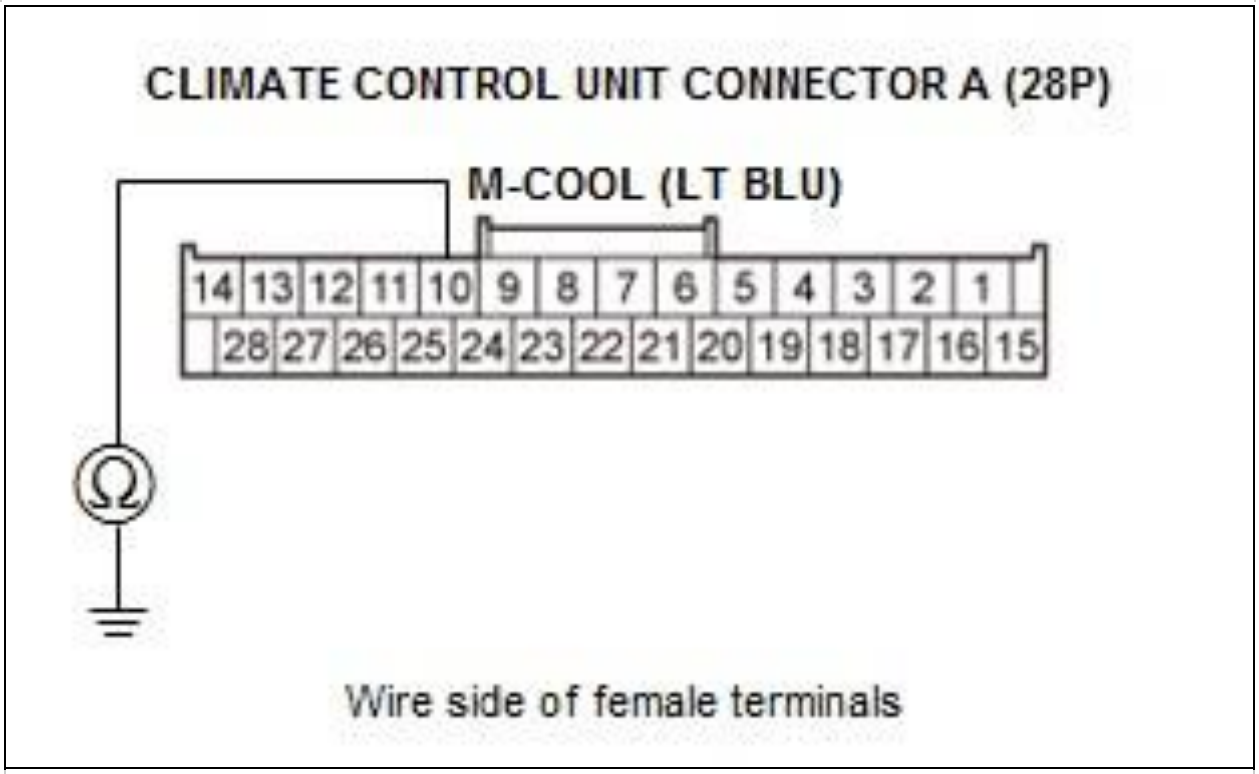
Repair a short to ground in the M-COOL/AIRMIX MOTOR DR COOL wire.

NO

The M-HOT/AIRMIX MOTOR DR HOT wire is OK. Go to step 5.

5. Shorted wire check (M-COOL/AIRMIX MOTOR DR COOL line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Driver's air mix control motor 7P connector: disconnected
Test circuit	M-COOL
Test point 1	Climate control unit connector A (28P) No. 10 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the M-COOL/AIRMIX MOTOR DR COOL wire.

NO

The M-COOL/AIRMIX MOTOR DR COOL wire is OK. Go to step 6.

6. Driver's air mix control motor check:
   Test the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Test (2013-18), or Passenger's Air Mix Control Motor Test (2013-18) .
   Is the driver's air mix control motor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the driver's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) , or repair the driver's air mix control linkage or door.

DTC TROUBLESHOOTING > DTC B1236 (43): AN OPEN IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT (2013-15)

DTC Description	DTC
B1236 An open in the passenger's air mix control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1236 An open in the passenger's air mix control motor circuit	

   Is DTC B1236 or 43 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

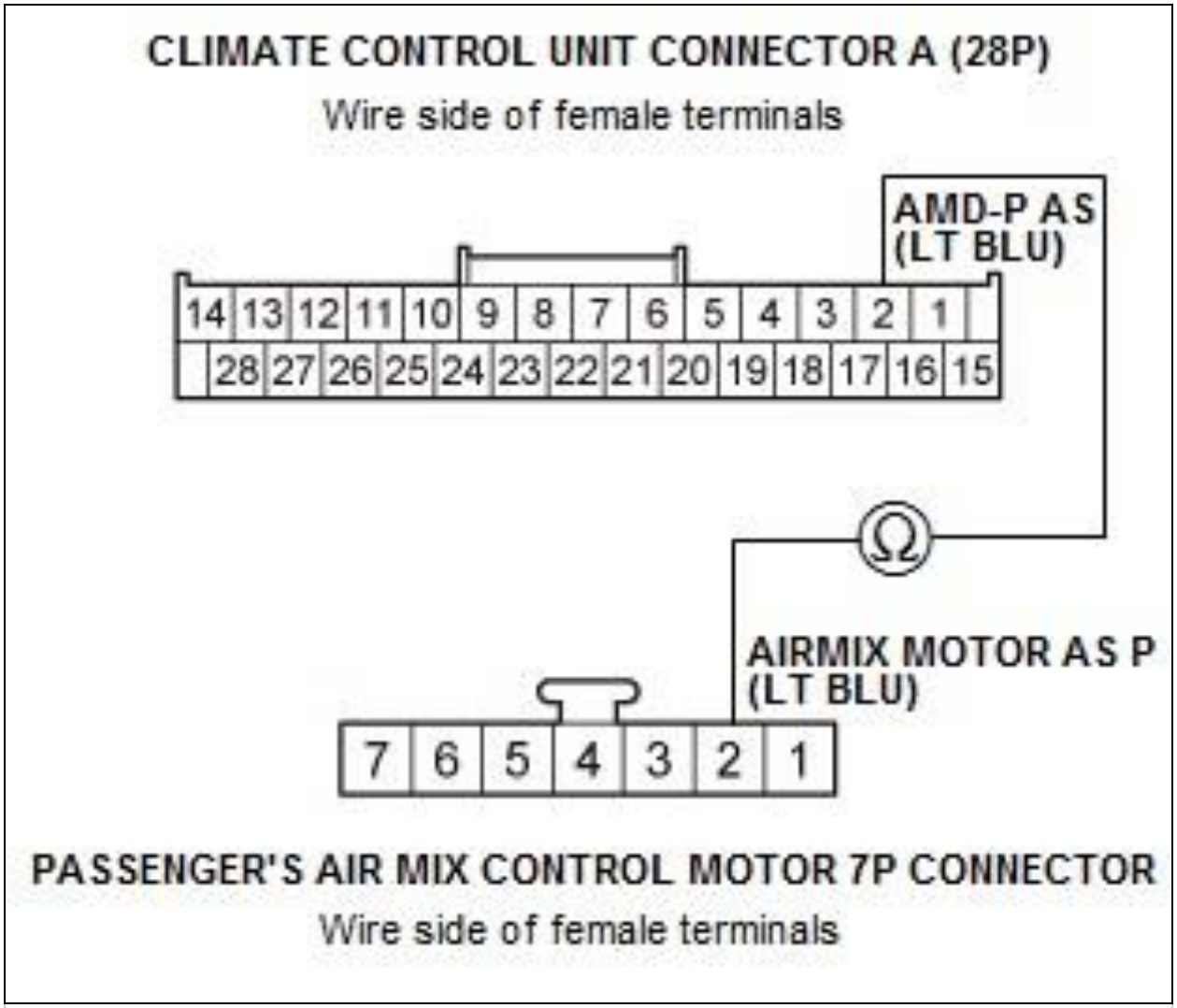
2. Open wire check (AMD-P AS/AIRMIX MOTOR AS P line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AMD-P AS/AIRMIX MOTOR AS P
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Passenger's air mix control motor 7P connector No. 2 (LT BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The AMD-P AS/AIRMIX MOTOR AS P wire is OK. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the passenger's air mix control motor.

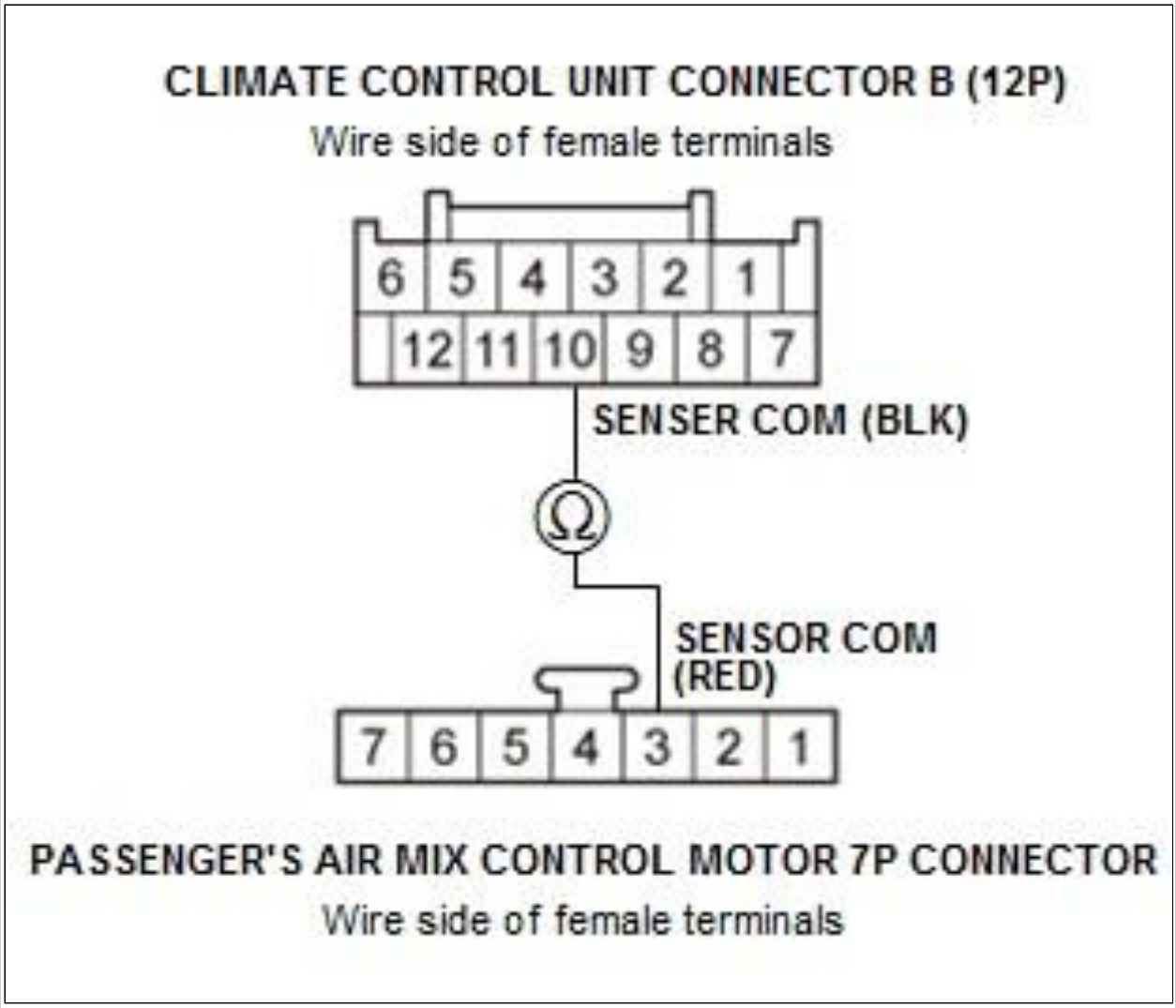
3. Open wire check (SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected

Test circuit	SENSOR COM/SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Passenger's air mix control motor 7P connector No. 3 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM/SENSOR COM wire is OK. Go to step 4.

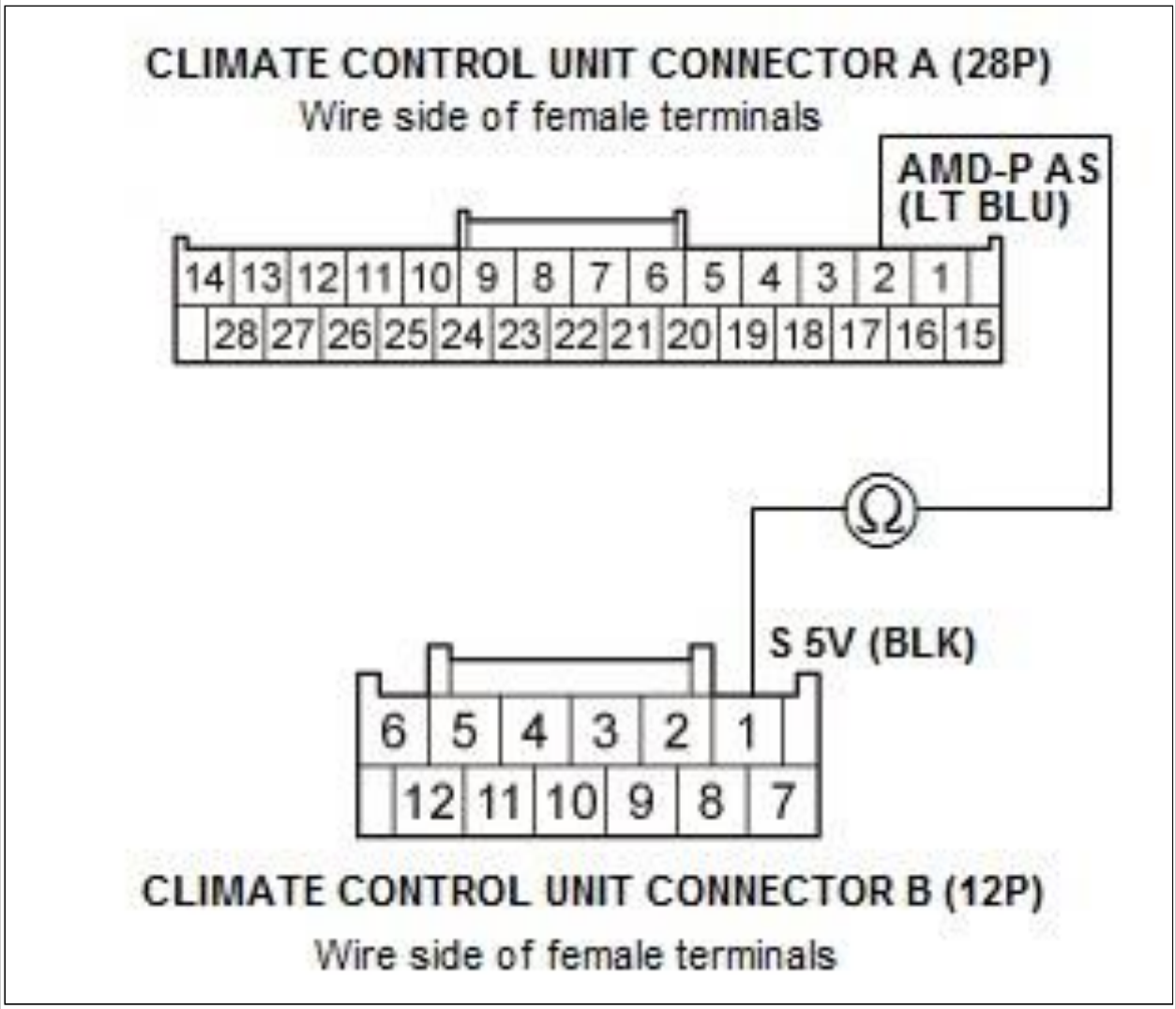
NO

Repair an open in the wire between the climate control unit and the passenger's air mix control motor.

4. Shorted wire check (S 5V/SENSOR 5V line to AMD-P AS/AIRMIX MOTOR AS P line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	S 5V, AMD-P AS
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

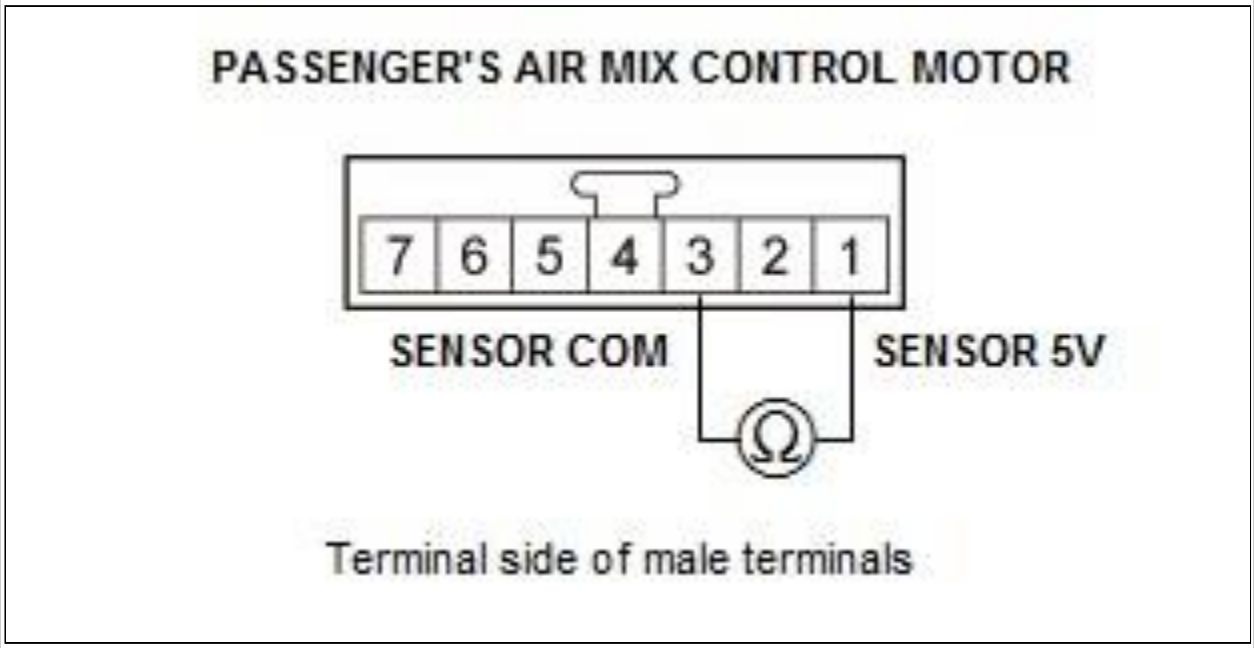
Repair a short in the wires between the climate control unit and the passenger's air mix control motor.

NO

The S 5V/SENSOR 5V wire to AMD-P AS/AIRMIX MOTOR AS P wire are not shorted. Go to step 5.

5. Passenger's air mix control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Passenger's air mix control motor No. 1
Test point 2	Passenger's air mix control motor No. 3



Courtesy of HONDA, U.S.A., INC.

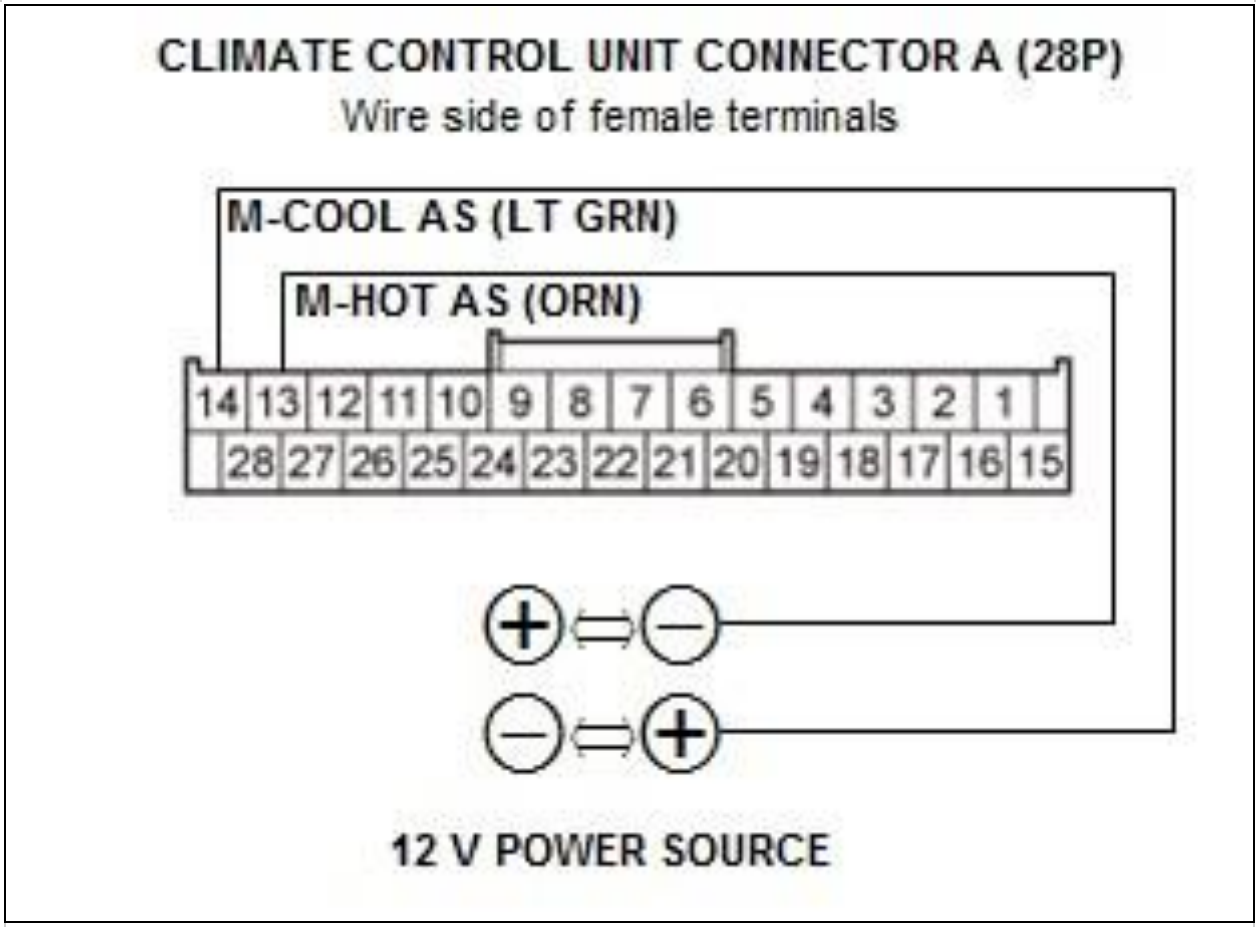
Is the resistance 6 kΩ ± 1.8 kΩ?
YES
Go to step 6.
NO
Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

6. Passenger's air mix control motor internal resistance check (S 5V and AMD-P AS):
   Reconnect the passenger's air mix control motor 7P connector. - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 13 (ORN)

Terminal B	Climate control unit connector A (28P) No. 14 (LT GRN)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



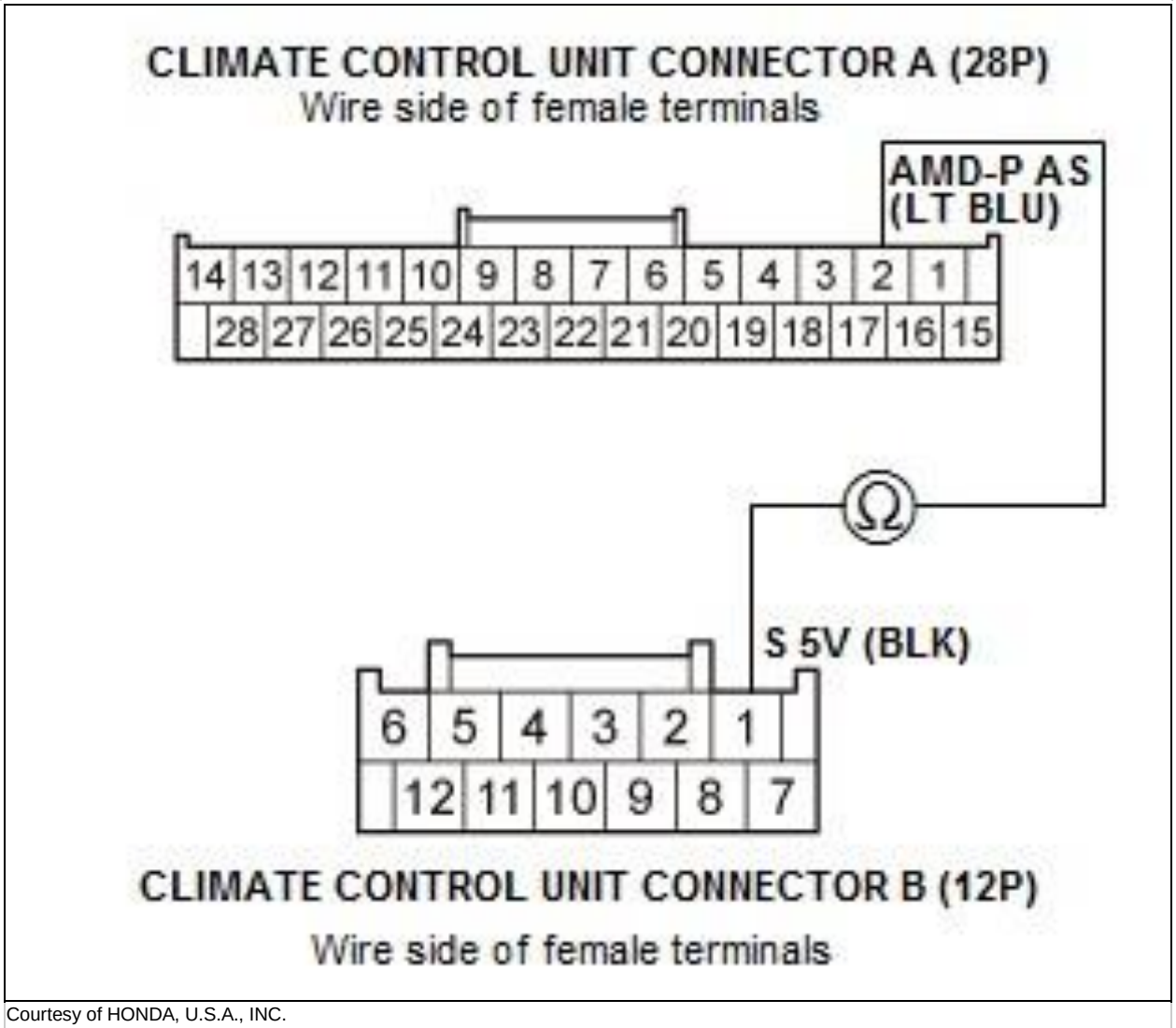
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	S 5V, AMD-P AS
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)

Test point 2	Climate control unit connector B (12P) No. 1 (BLK)

NOTE: Continuity between S 5V and AMD-P AS may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

DTC TROUBLESHOOTING > DTC B1236 (B-A4), B1236 (43): AN OPEN IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT (2016-18)

DTC Description	DTC
B1236 An open in the passenger's air mix control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1236 An open in the passenger's air mix control motor circuit	

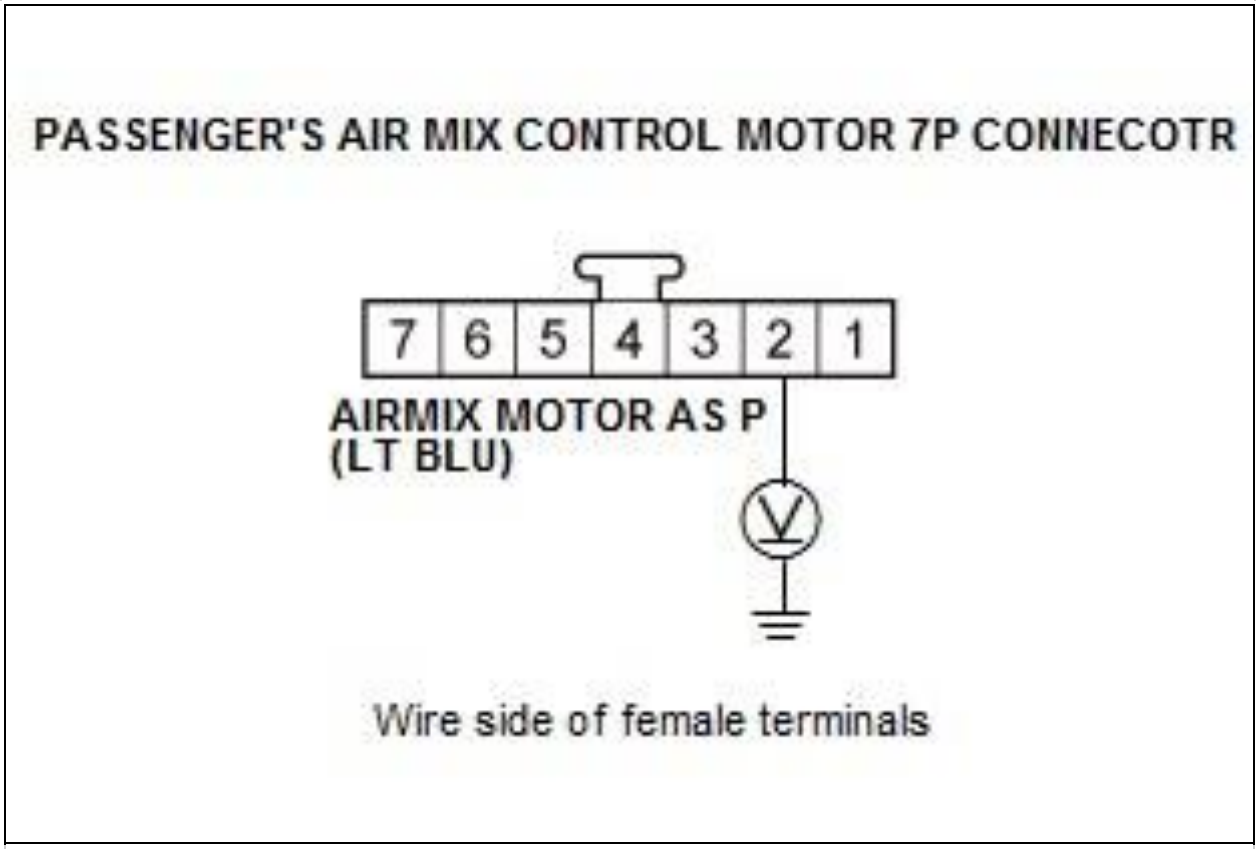
   Is DTC B1236, Error on the DTC screen B-A4 (with navigation), or 43 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

2. Determine possible failure area (AMD-P AS/AIRMIX MOTOR AS P line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Press the engine start/stop button to select the ON mode. -
   4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AIRMIX MOTOR AS P
Test point 1	Passenger's air mix control motor 7P connector No. 2 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

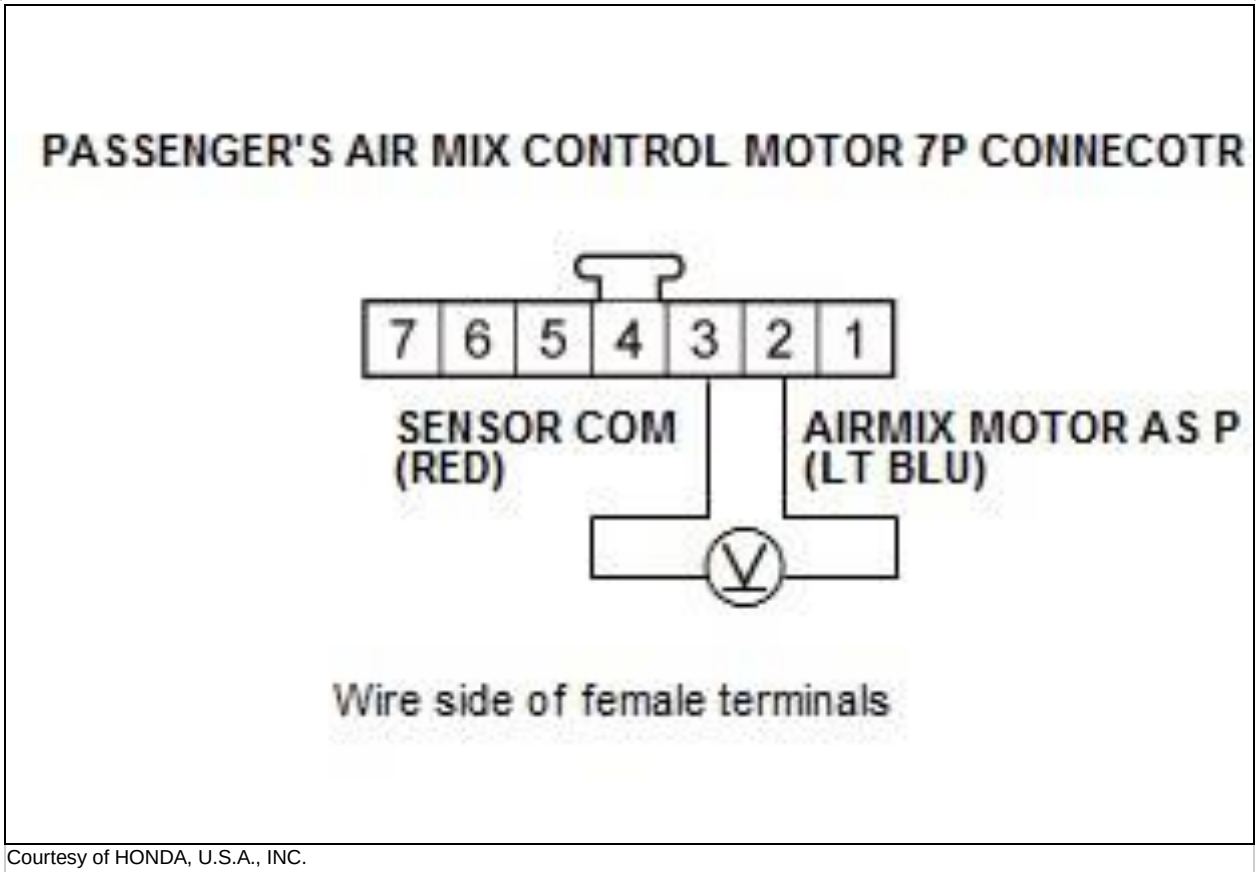
The AMD-P AS/AIRMIX MOTOR AS P wire is OK. Go to step 3.

NO

Go to step 4.

3. Open wire check (SENSOR COM line):
   Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AIRMIX MOTOR AS P, SENSOR COM
Test point 1	Passenger's air mix control motor 7P connector No. 2 (LT BLU)
Test point 2	Passenger's air mix control motor 7P connector No. 3 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

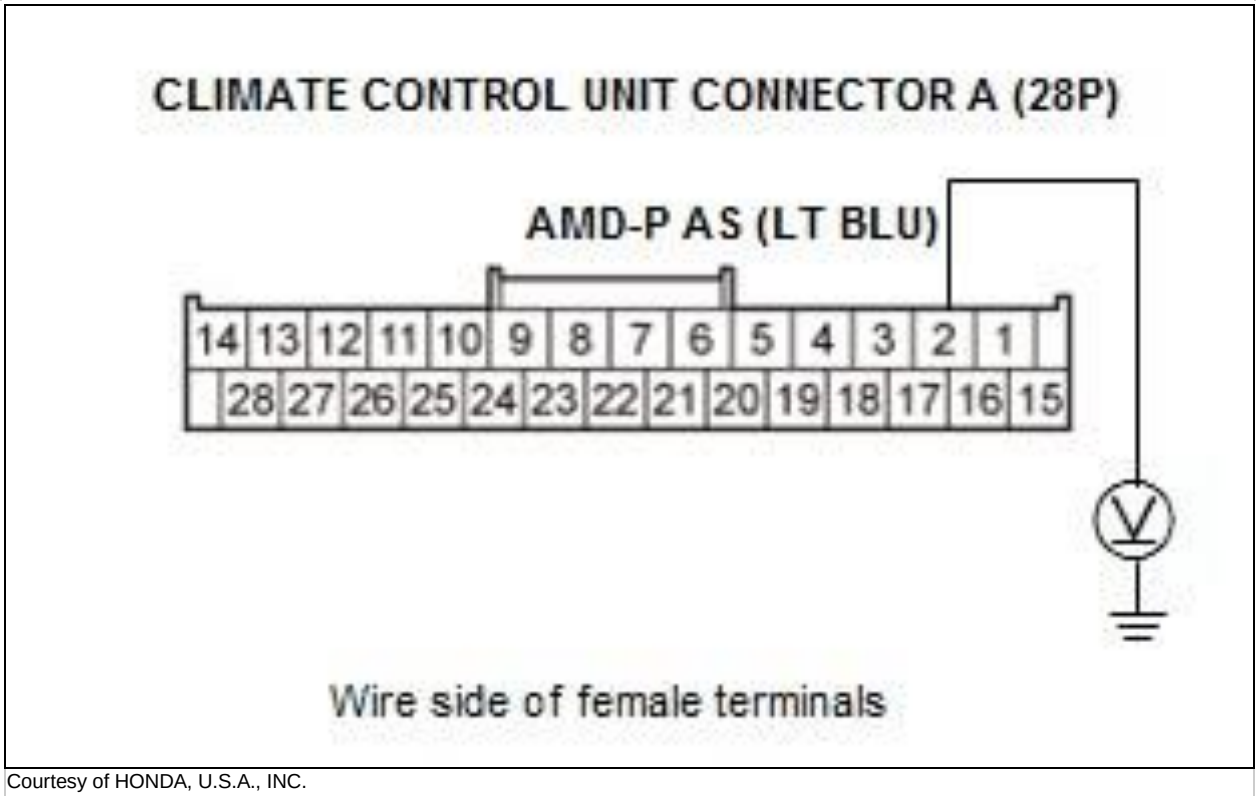
Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

NO

Repair an open in the SENSOR COM wire.

4. Open wire check (AMD-P AS/AIRMIX MOTOR AS P line): Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AMD-P AS
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the AMD-P AS/AIRMIX MOTOR AS P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1237 (44): A SHORT IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT (2013-15)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1237 A short in the passenger's air mix control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1237 A short in the passenger's air mix control motor circuit	

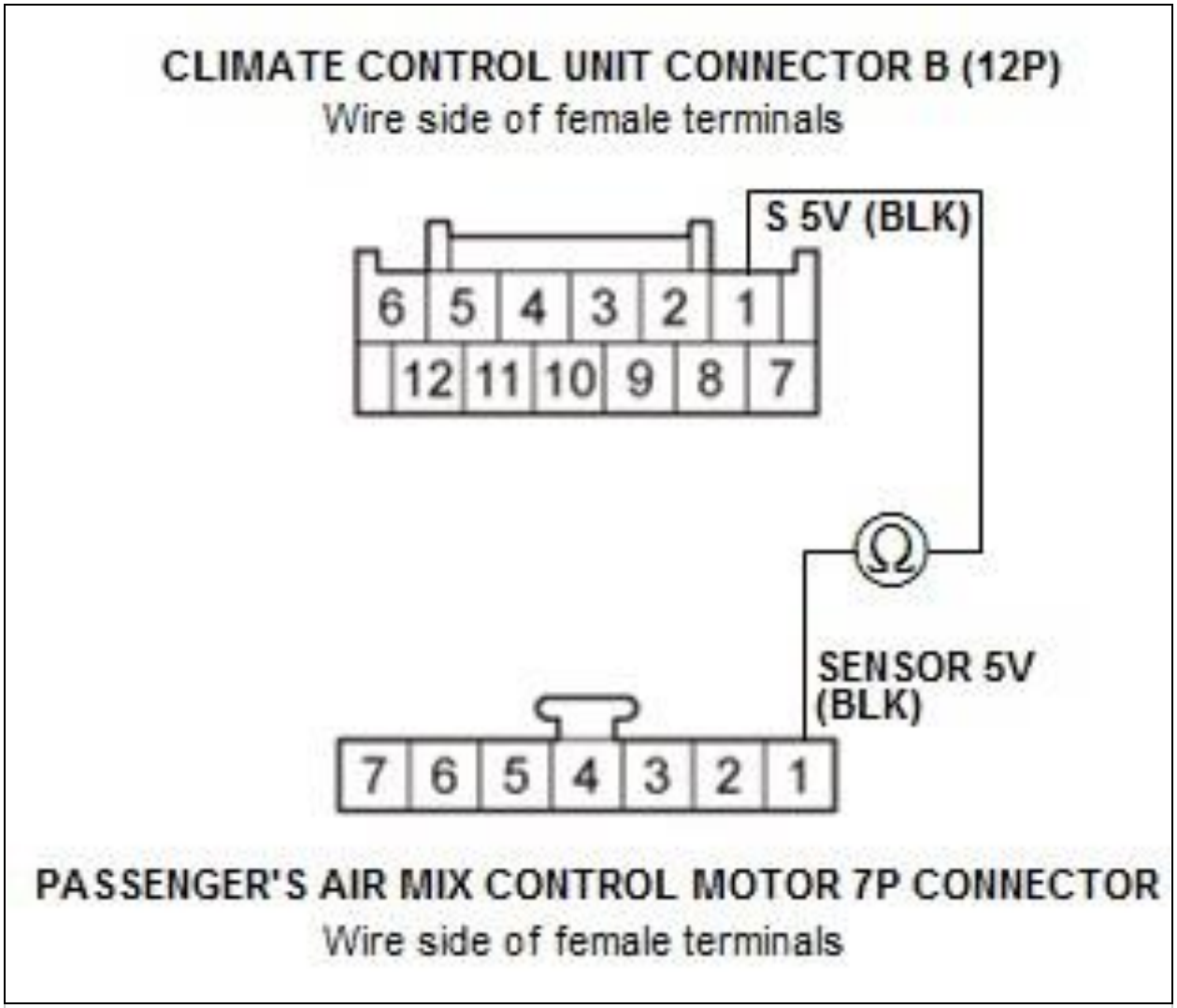
   Is DTC B1237 or 44 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

2. Open wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector B (12P)
Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	S 5V/SENSOR 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Passenger's air mix control motor 7P connector No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The S 5V/SENSOR 5V wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the passenger's air mix control motor.

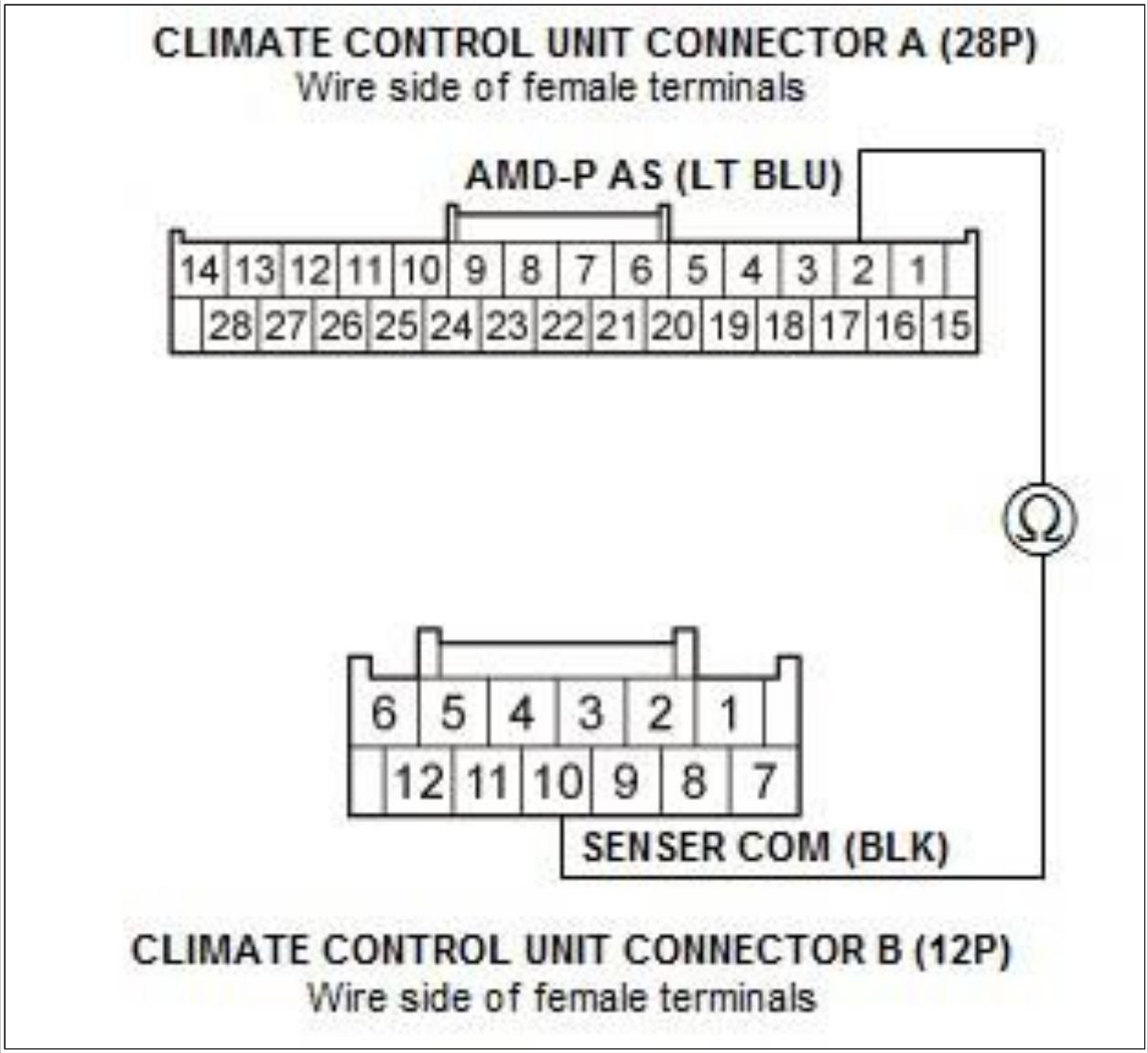
3. Shorted wire check (AMD-P AS/AIRMIX MOTOR AS P line to SENSOR COM/SENSOR COM line):
   Disconnect the following connector.

Climate control unit connector A (28P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected

Test circuit	AMD-P AS, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Climate control unit connector B (12P) No. 10 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the passenger's air mix control motor.

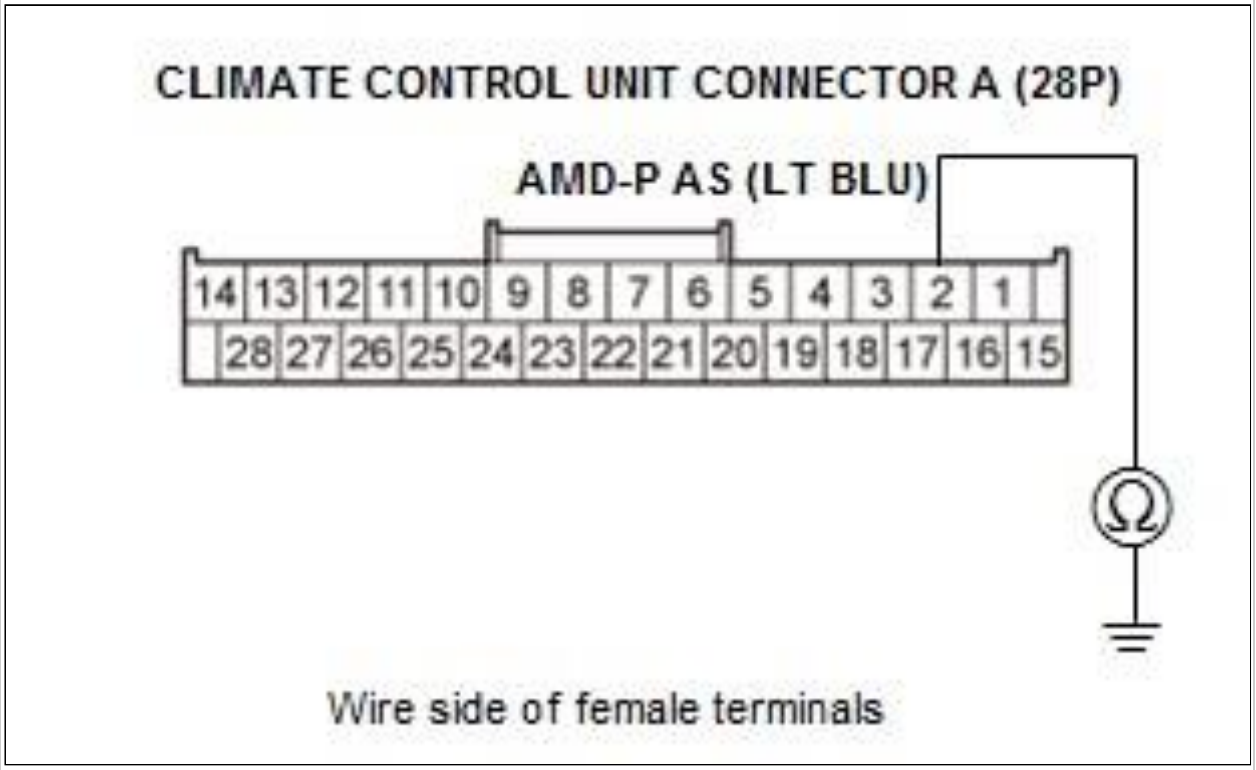
NO

The AMD-P AS/AIRMIX MOTOR AS P wire to SENSOR COM/SENSOR COM wire are not shorted. Go to step 4.

4. Shorted wire check (AMD-P AS/AIRMIX MOTOR AS P line): Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AMD-P AS
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the passenger's air mix control motor.

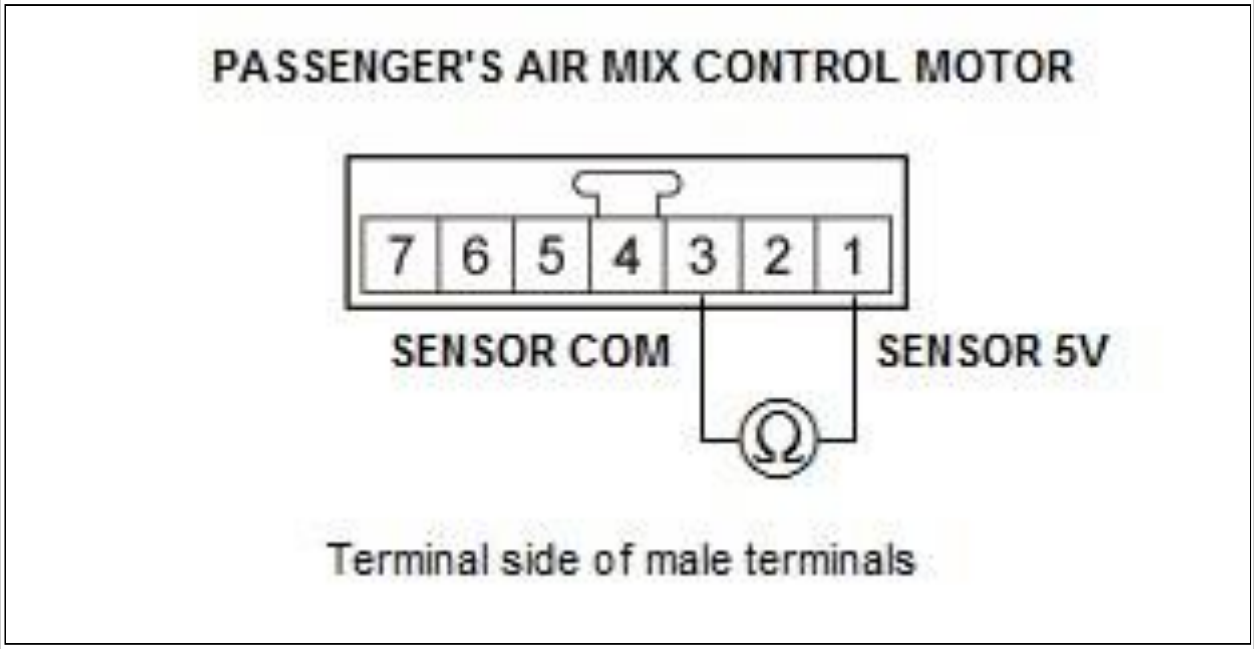
NO

The AMD-P AS/AIRMIX MOTOR AS P wire is OK. Go to step 5.

5. Passenger's air mix control motor internal resistance check (SENSOR 5V and SENSOR COM):
   Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Passenger's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Passenger's air mix control motor No. 1
Test point 2	Passenger's air mix control motor No. 3



Courtesy of HONDA, U.S.A., INC.

Is the resistance 6 kΩ ± 1.8 kΩ?

YES

Go to step 6.

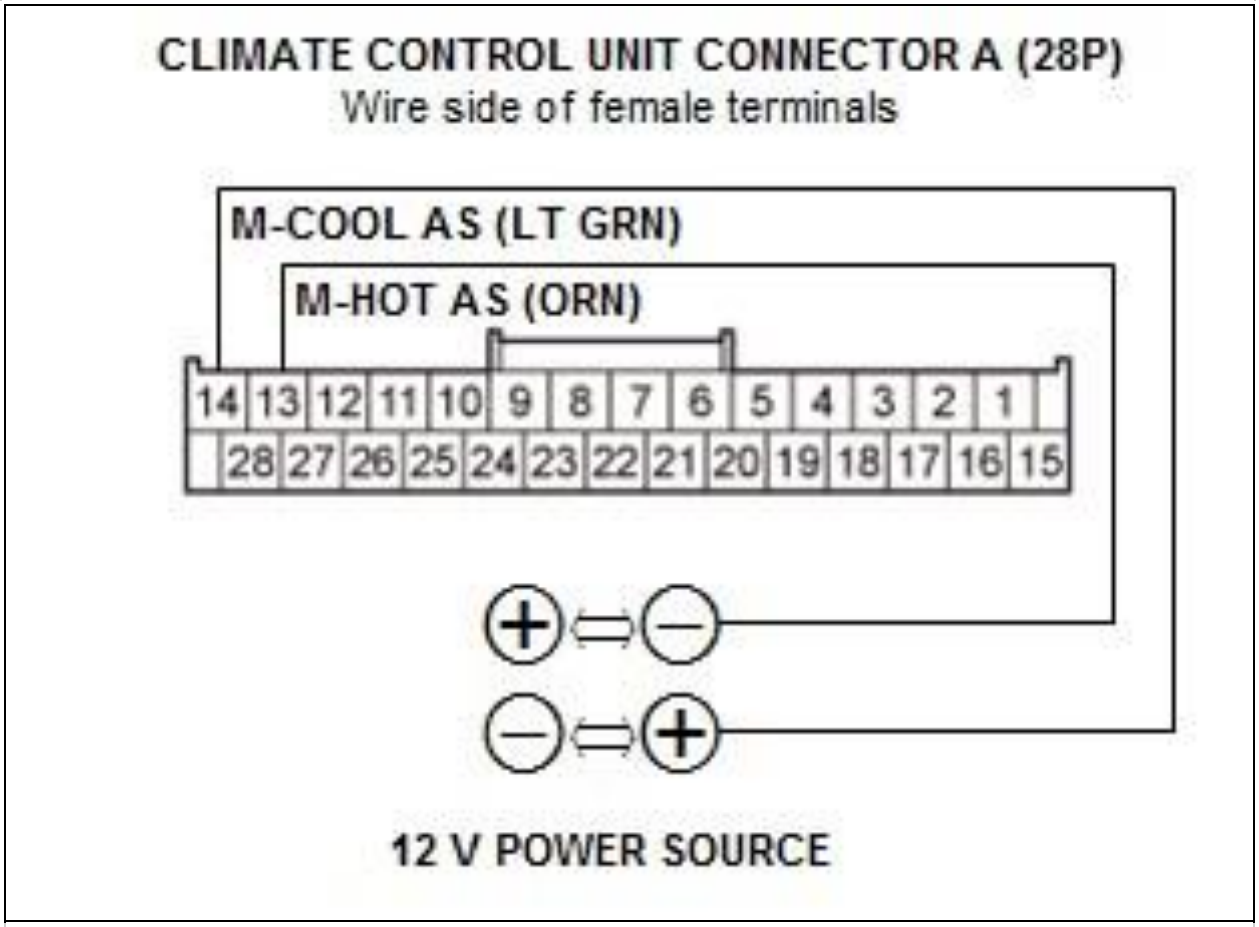
NO

Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

6. Passenger's air mix control motor internal resistance check (AMD-P AS, SENSOR COM):
   Reconnect the passenger's air mix control motor 7P connector. - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 13 (ORN)
Terminal B	Climate control unit connector A (28P) No. 14 (LT GRN)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



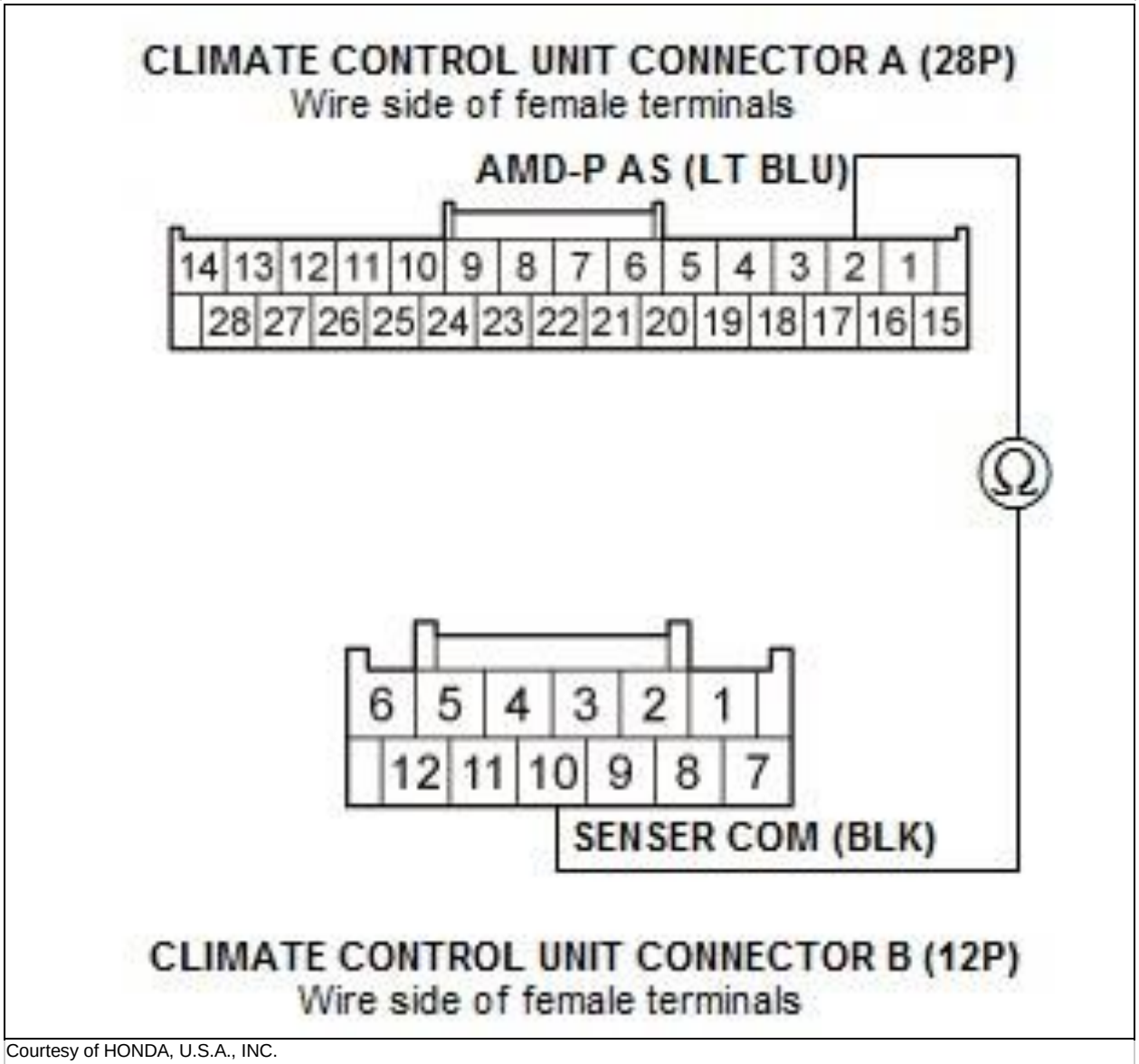
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	AMD-P AS, SENSOR COM
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)

Test point 2	Climate control unit connector B (12P) No. 10 (BLK)

NOTE: Continuity between AMD-P AS and SENSOR COM may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

DTC TROUBLESHOOTING > DTC B1237 (B-A5), B1237 (44): A SHORT IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT (2016-18)

NOTE: If other short circuit DTCs are indicated at the same time, there may be an open or short to body ground in the power (5 V) circuit.

DTC Description	DTC
B1237 A short in the passenger's air mix control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1237 A short in the passenger's air mix control motor circuit	

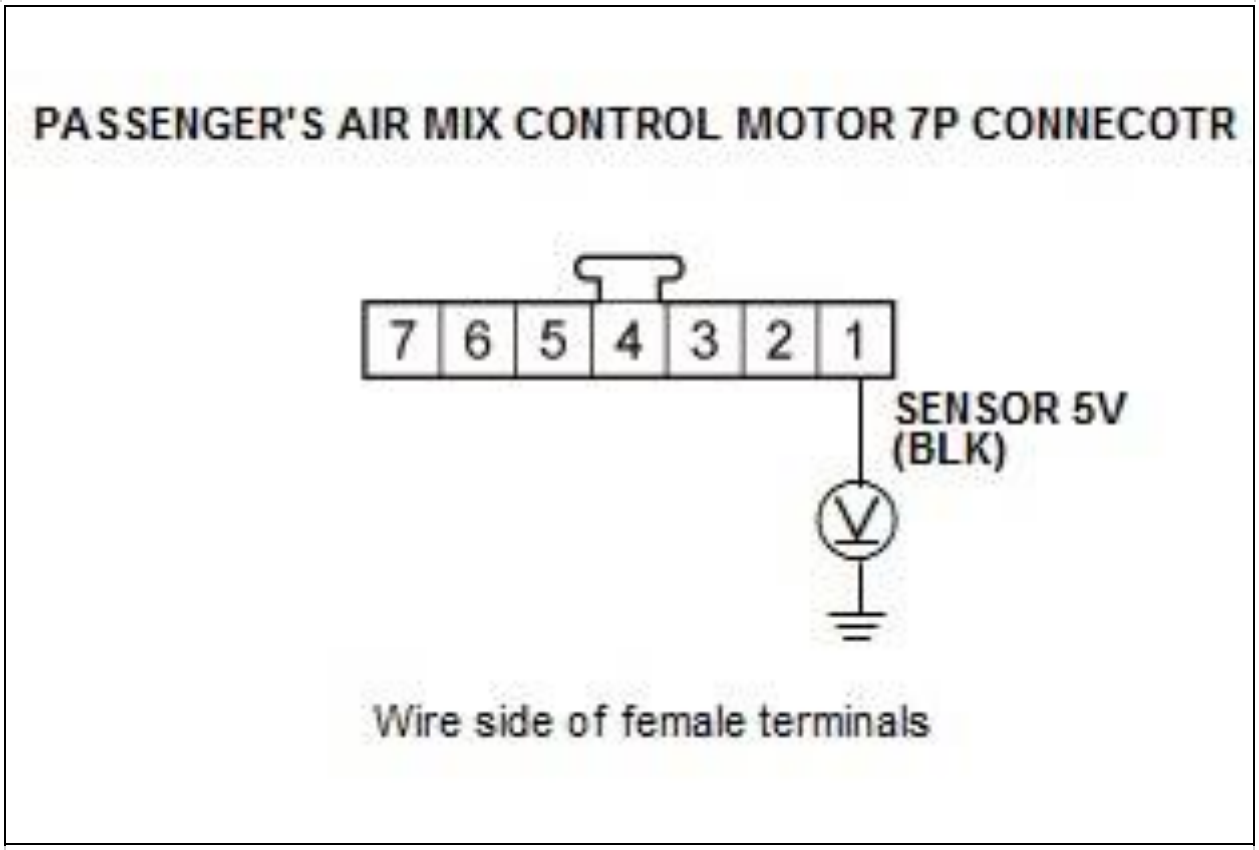
   Is DTC B1237, Error on the DTC screen B-A5 (with navigation), or 44 (without navigation) indicated? **YES**
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

2. Determine possible failure area (S 5V/SENSOR 5V line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Press the engine start/stop button to select the ON mode.- 4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	SENSOR 5V
Test point 1	Passenger's air mix control motor 7P connector No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

The S 5V/SENSOR 5V wire is OK. Go to step 3.

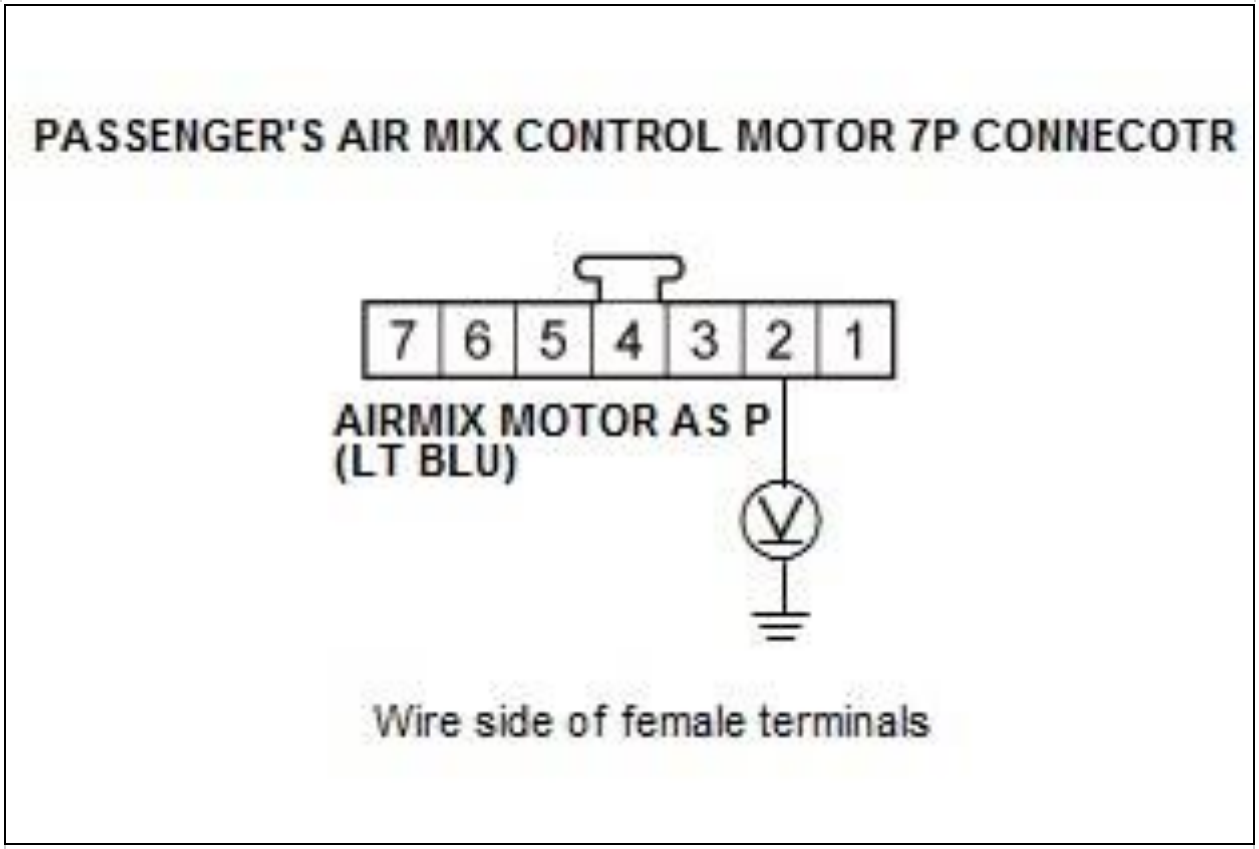
NO

Go to step 4.

3. Determine possible failure area (passenger's air mix control motor, others):
   Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected

Test circuit	AIRMIX MOTOR AS P
Test point 1	Passenger's air mix control motor 7P connector No. 2 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

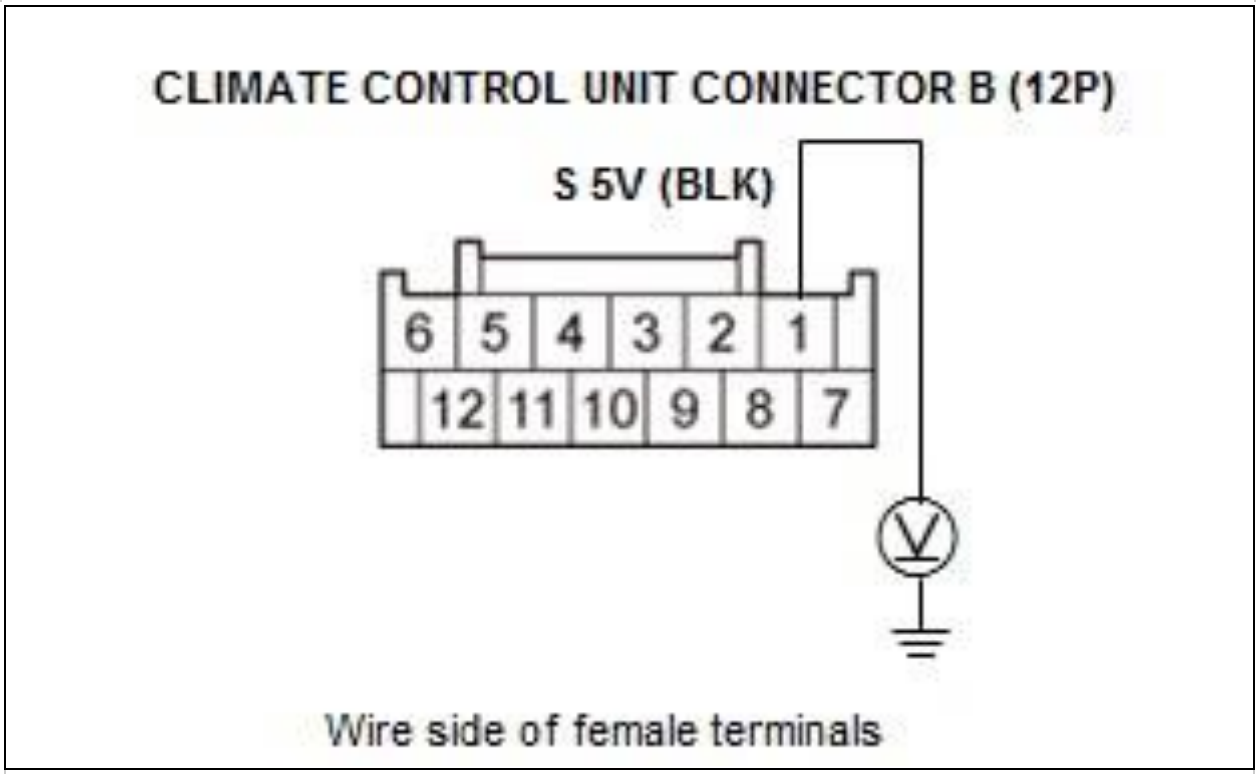
Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) .

NO

Go to step 6.

4. Open wire check (S 5V/SENSOR 5V line):
   Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the S 5V/SENSOR 5V wire.

NO

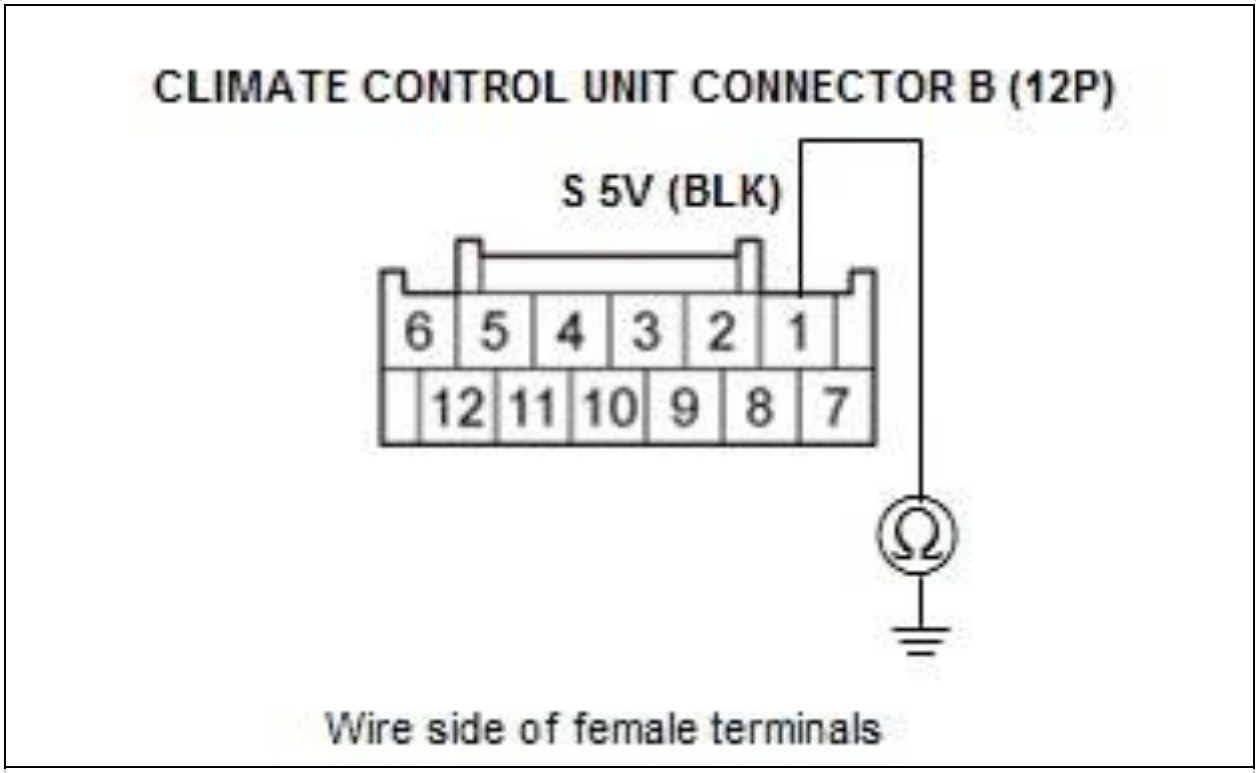
Go to step 5.

5. Shorted wire check (S 5V/SENSOR 5V line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Climate control unit connector B (12P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	S 5V
Test point 1	Climate control unit connector B (12P) No. 1 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the S 5V/SENSOR 5V wire.

NO

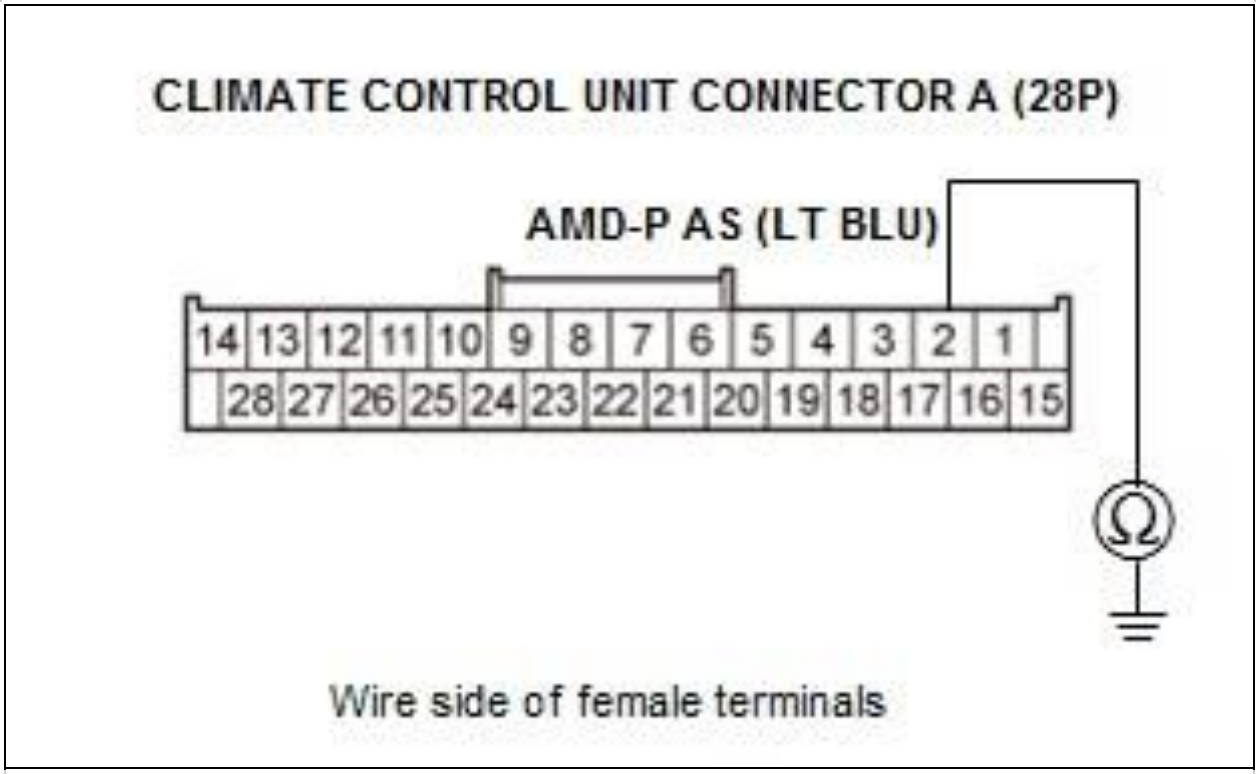
Replace the climate control unit .

6. Shorted wire check (AMD-P AS/AIRMIX MOTOR AS P line):
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connector.

Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	AMD-P AS
Test point 1	Climate control unit connector A (28P) No. 2 (LT BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the AMD-P AS/AIRMIX MOTOR AS P wire.

NO
Replace the climate control unit .

DTC TROUBLESHOOTING > DTC B1238 (45): A PROBLEM IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2013-15)

DTC Description	DTC
B1238 A problem in the passenger's air mix control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1238 A problem in the passenger's air mix control motor circuit, linkage, door, or motor	

   Is DTC B1238 or 45 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

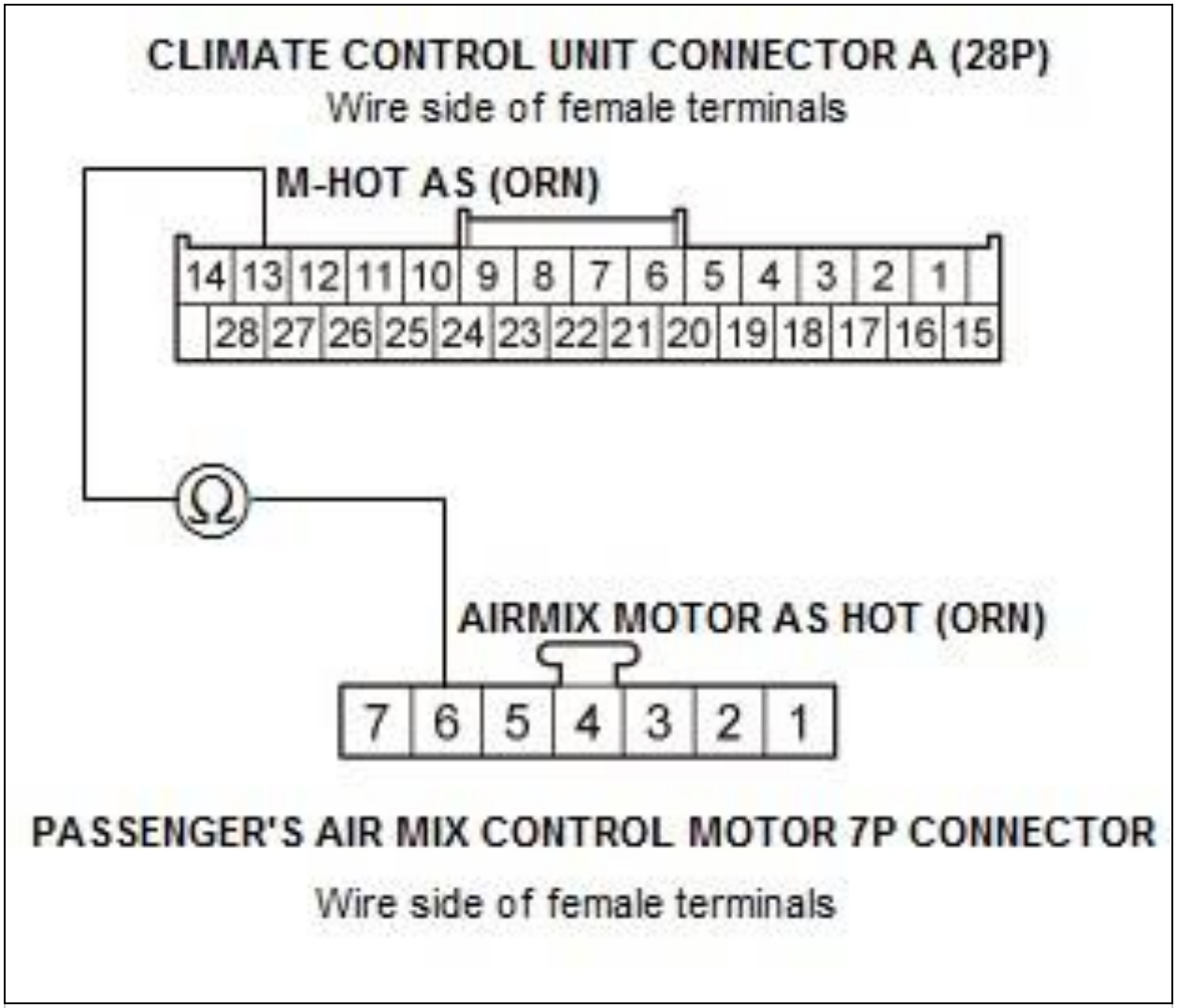
2. Open wire check (M-HOT AS/AIRMIX MOTOR AS HOT line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-HOT AS/AIRMIX MOTOR AS HOT

Test point 1	Climate control unit connector A (28P) No. 13 (ORN)
Test point 2	Passenger's air mix control motor 7P connector No. 6 (ORN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The M-HOT AS/AIRMIX MOTOR AS HOT wire is not open. Go to step 3.

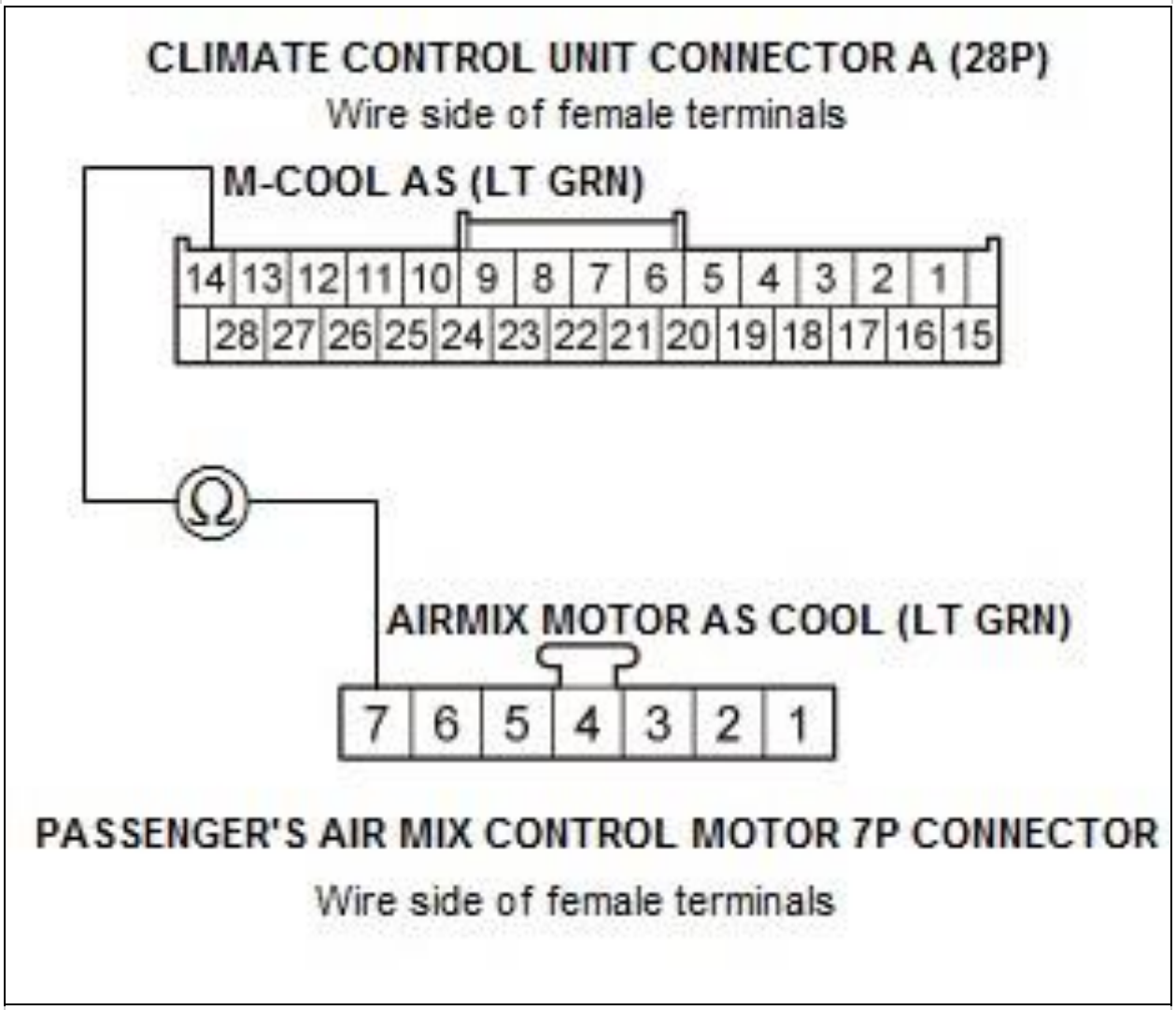
NO

Repair an open in the wire between the climate control unit and the passenger's air mix control motor.

3. Open wire check (M-COOL AS/AIRMIX MOTOR AS COOL line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-COOL AS/AIRMIX MOTOR AS COOL
Test point 1	Climate control unit connector A (28P) No. 14 (LT GRN)

Test point 2	Passenger's air mix control motor 7P connector No. 7 (LT GRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

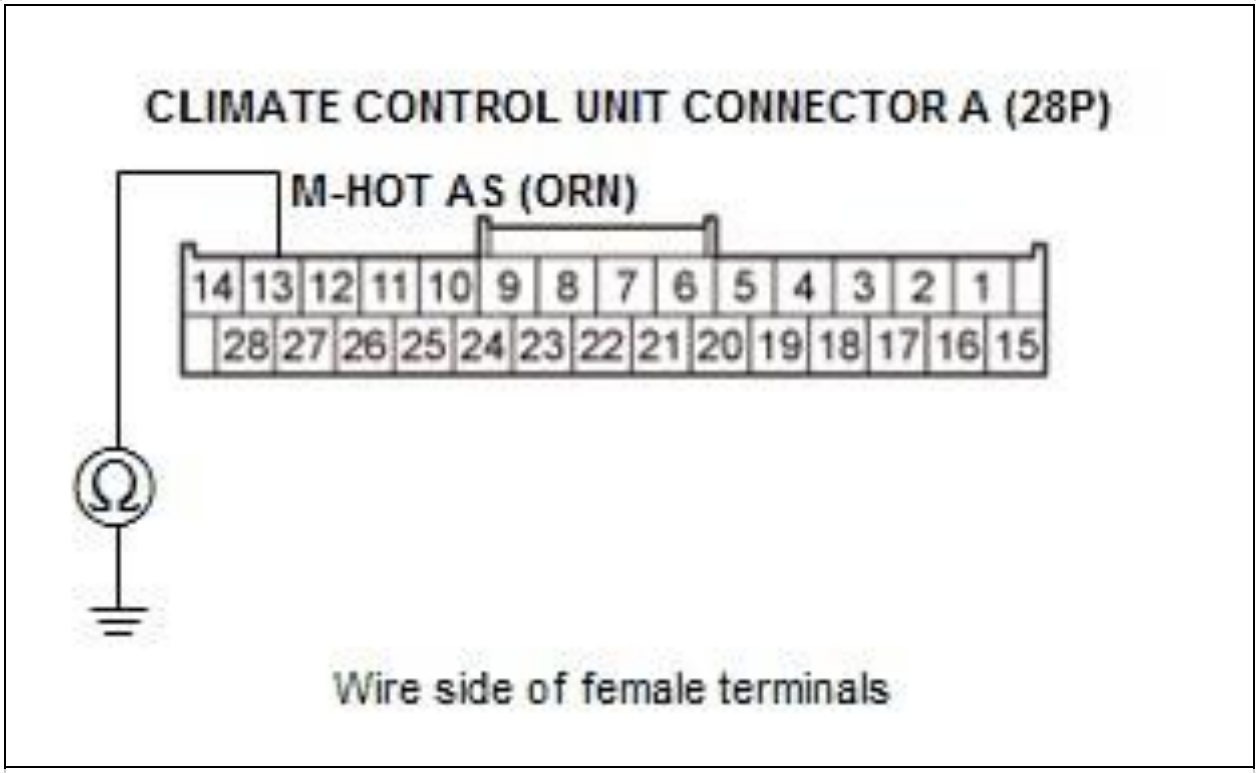
The M-COOL AS/AIRMIX MOTOR AS COOL wire is not open. Go to step 4. **NO**

Repair an open in the wire between the climate control unit and the passenger's air mix control motor.

4. Shorted wire check (M-HOT AS/AIRMIX MOTOR AS HOT line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-HOT AS

Test point 1	Climate control unit connector A (28P) No. 13 (ORN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

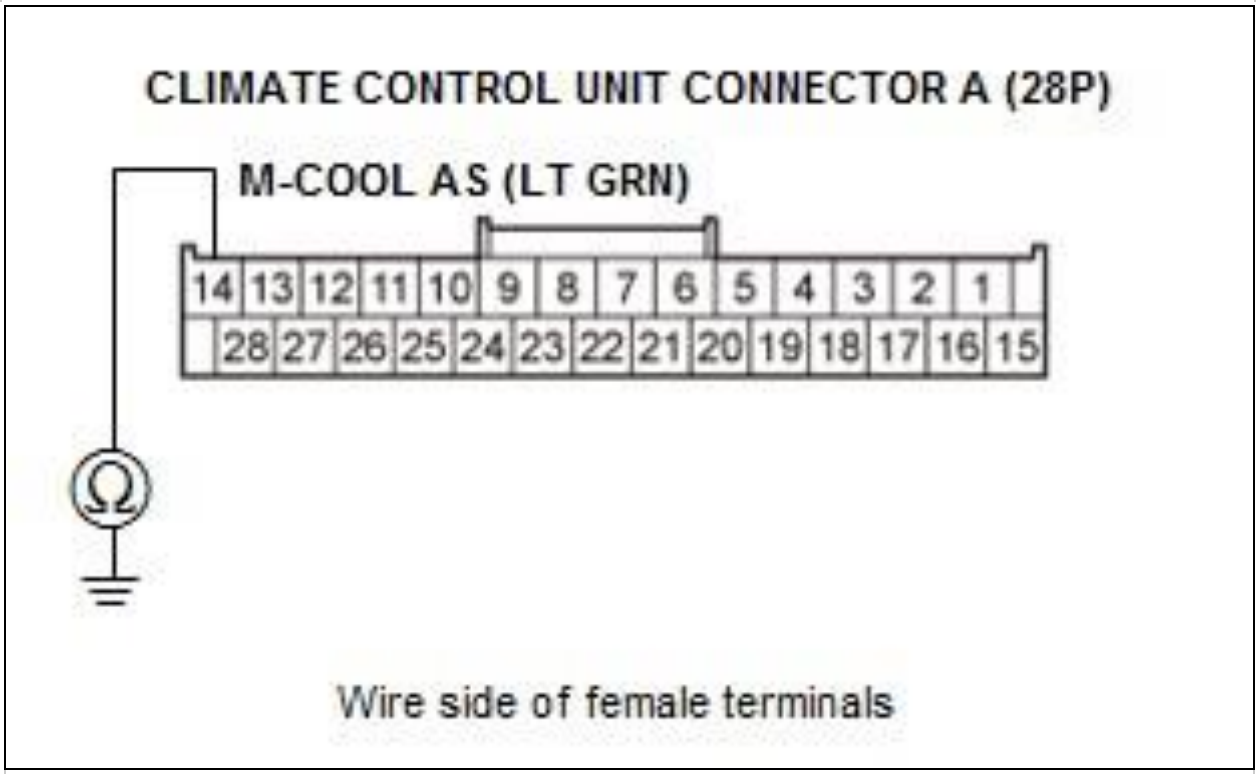
Repair a short to body ground in the wire between the climate control unit and the passenger's air mix control motor.

NO

The M-HOT AS/AIRMIX MOTOR AS HOT wire is OK. Go to step 5.

5. Shorted wire check (M-COOL AS/AIRMIX MOTOR AS COOL line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-COOL AS
Test point 1	Climate control unit connector A (28P) No. 14 (LT GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the passenger's air mix control motor.

NO

The M-COOL AS/AIRMIX MOTOR AS COOL wire is OK. Go to step 6.

6. Passenger's air mix control motor check:

   Test the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Test (2013-18), or Passenger's Air Mix Control Motor Test (2013-18) .

   Is the passenger's air mix control motor OK?

   YES

   Replace the climate control unit .

   NO

   Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) , or repair the passenger's air mix control linkage or door.

DTC TROUBLESHOOTING > DTC B1238 (B-A6), B1238 (45): A PROBLEM IN THE PASSENGER'S AIR MIX CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2016-18)

DTC Description	DTC
B1238 A problem in the passenger's air mix control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1238 A problem in the passenger's air mix control motor circuit, linkage, door, or motor	

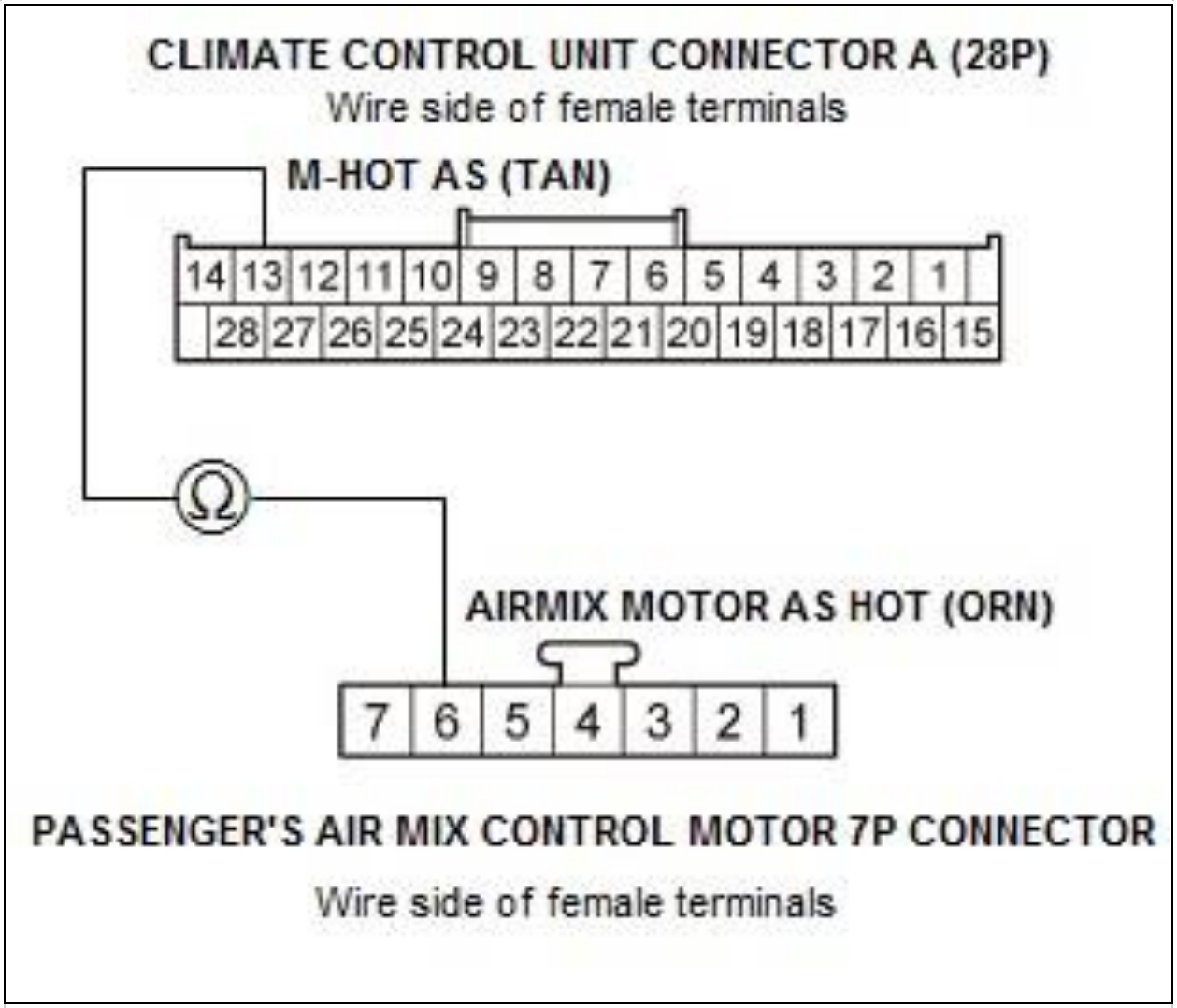
   Is DTC B1238, Error on the DTC screen B-A6 (with navigation), or 45 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the passenger's air mix control motor circuit.

2. Open wire check (M-HOT AS/AIRMIX MOTOR AS HOT line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Passenger's air mix control motor 7P connector - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18)

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-HOT AS/AIRMIX MOTOR AS HOT
Test point 1	Climate control unit connector A (28P) No. 13 (TAN)
Test point 2	Passenger's air mix control motor 7P connector No. 6 (ORN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

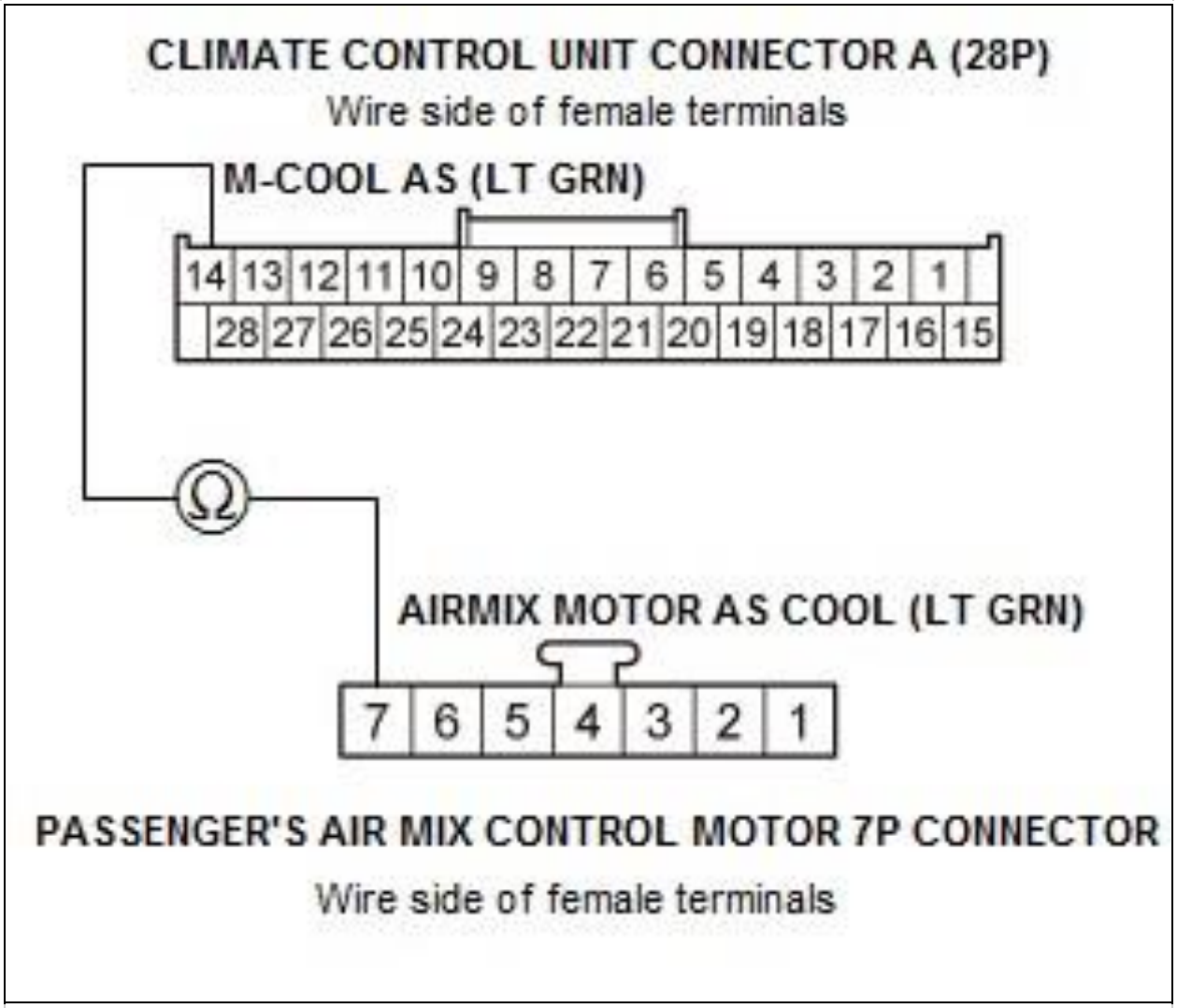
The M-HOT AS/AIRMIX MOTOR AS HOT wire is not open. Go to step 3.

NO

Repair an open in the M-HOT AS/AIRMIX MOTOR AS HOT wire.

3. Open wire check (M-COOL AS/AIRMIX MOTOR AS COOL line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-COOL AS/AIRMIX MOTOR AS COOL
Test point 1	Climate control unit connector A (28P) No. 14 (LT GRN)
Test point 2	Passenger's air mix control motor 7P connector No. 7 (LT GRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

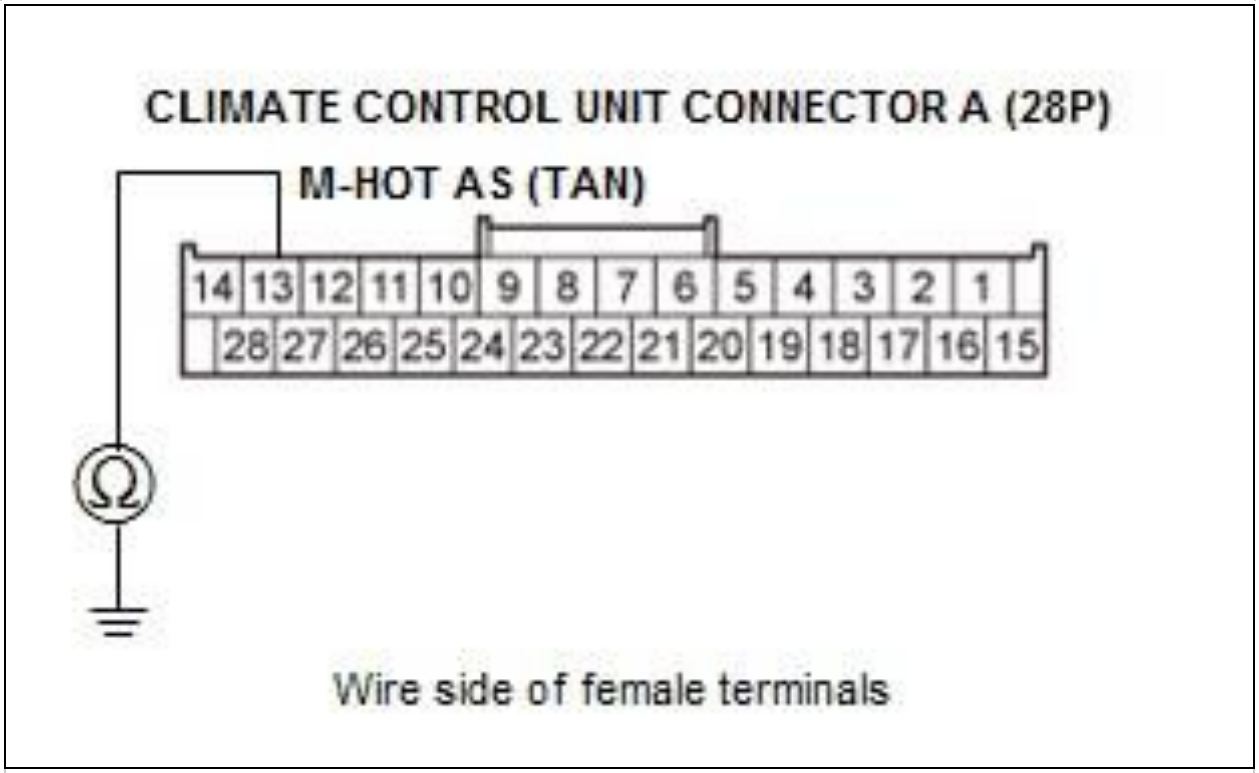
The M-COOL AS/AIRMIX MOTOR AS COOL wire is not open. Go to step 4.

NO

Repair an open in the M-COOL AS/AIRMIX MOTOR AS COOL wire.

4. Shorted wire check (M-HOT AS/AIRMIX MOTOR AS HOT line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-HOT AS
Test point 1	Climate control unit connector A (28P) No. 13 (TAN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the M-HOT AS/AIRMIX MOTOR AS HOT wire.

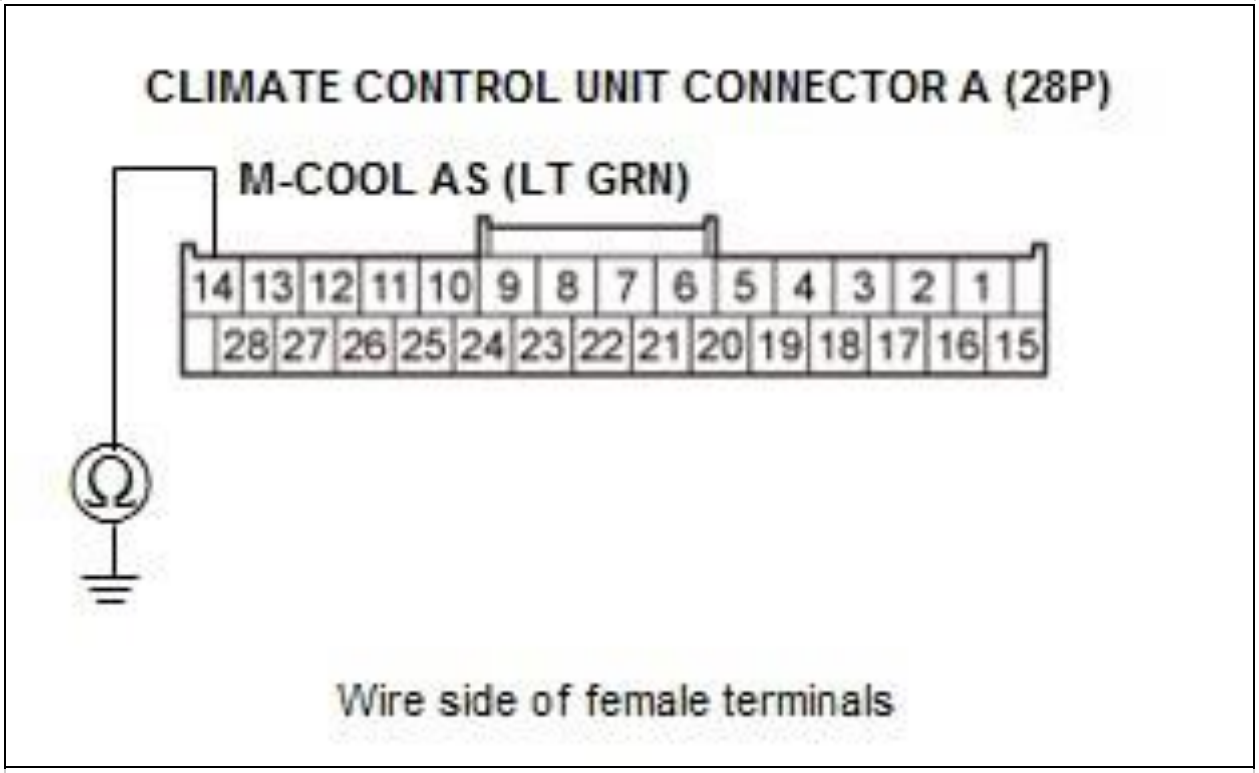
NO

The M-HOT AS/AIRMIX MOTOR AS HOT wire is OK. Go to step 5.

5. Shorted wire check (M-COOL AS/AIRMIX MOTOR AS COOL line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Passenger's air mix control motor 7P connector: disconnected
Test circuit	M-COOL AS
Test point 1	Climate control unit connector A (28P) No. 14 (LT GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the M-COOL AS/AIRMIX MOTOR AS COOL wire.

NO

The M-COOL AS/AIRMIX MOTOR AS COOL wire is OK. Go to step 6.

6. Passenger's air mix control motor check:
   Test the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Test (2013-18), or Passenger's Air Mix Control Motor Test (2013-18) .
   Is the passenger's air mix control motor OK?

YES
Replace the climate control unit .
NO
Replace the passenger's air mix control motor - Refer to: Driver's Air Mix Control Motor Removal and Installation (2013-18), or Passenger's Air Mix Control Motor Removal and Installation (2013-18) , or repair the passenger's air mix control linkage or door.

DTC TROUBLESHOOTING > DTC B1240 (4B): A PROBLEM IN THE MODE CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2013-15)

DTC Description	DTC
B1240 A problem in the mode control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1240 A problem in the mode control motor circuit, linkage, door, or motor	

   Is DTC B1240 or 4B indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

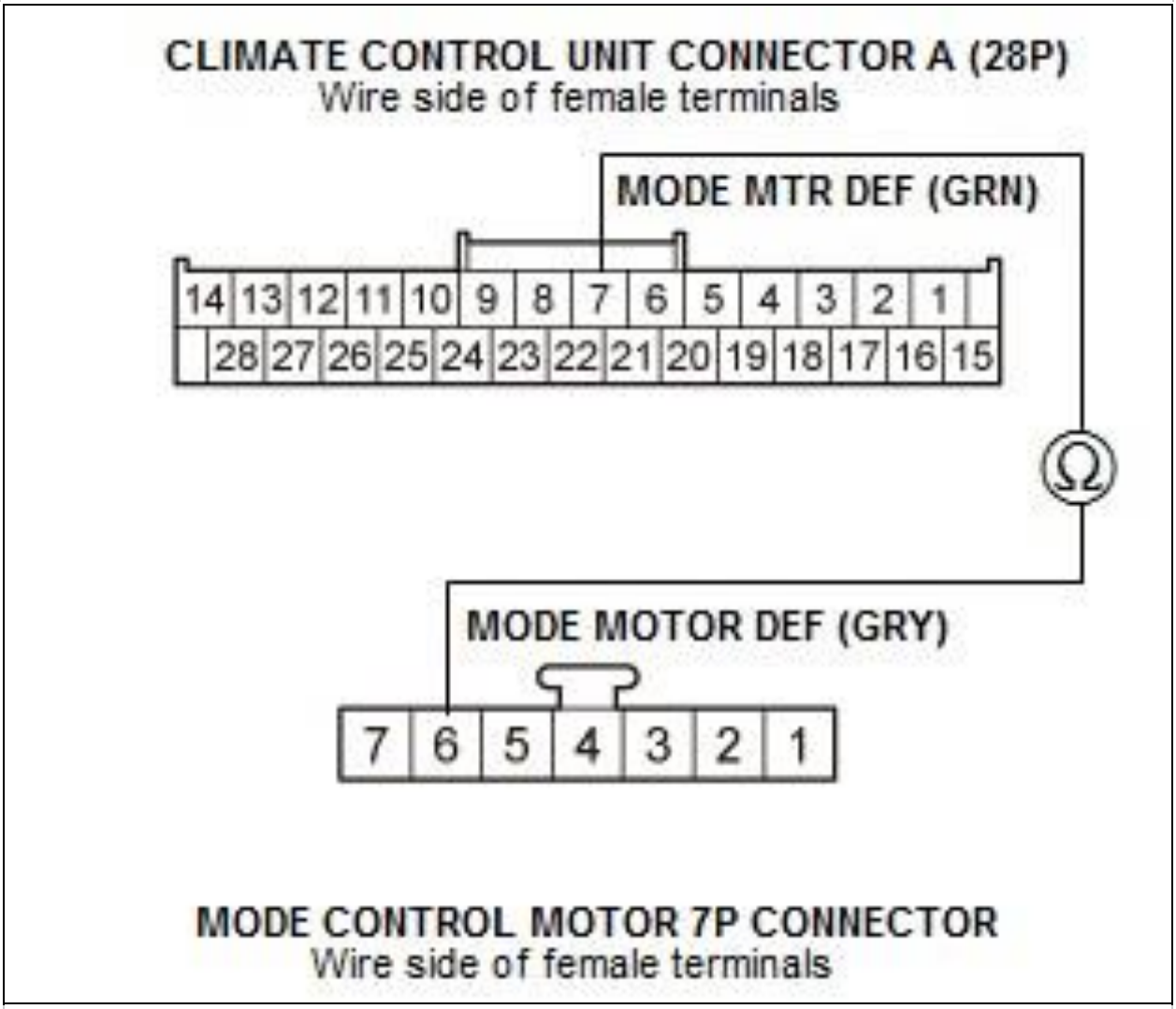
2. Open wire check (MODE MTR DEF/MODE MOTOR DEF line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Mode control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR DEF/MODE MOTOR DEF
Test point 1	Climate control unit connector A (28P) No. 7 (GRN)

Test point 2	Mode control motor 7P connector No. 6 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

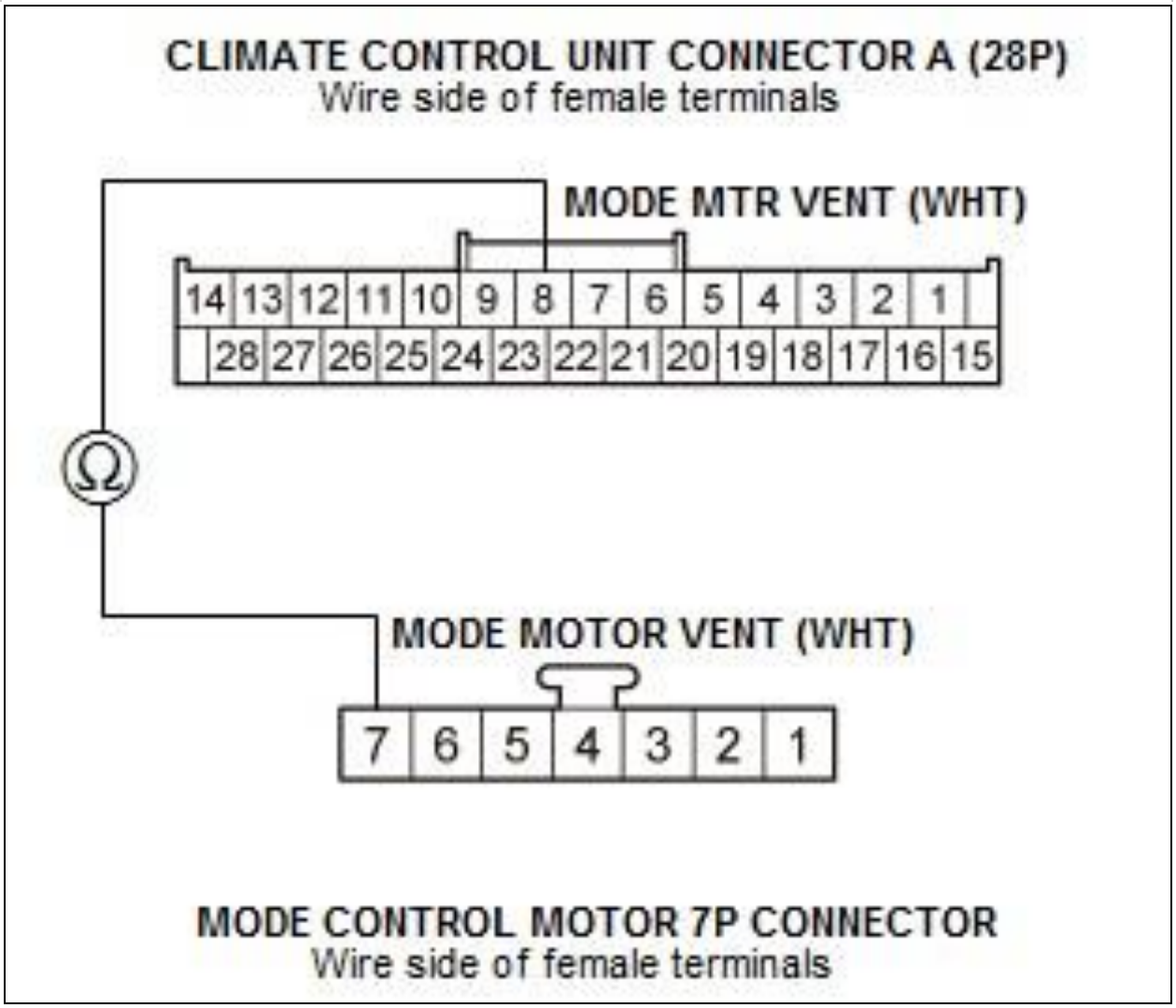
The MODE MTR DEF/MODE MOTOR DEF wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the mode control motor.

3. Open wire check (MODE MTR VENT/MODE MOTOR VENT line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR VENT/MODE MOTOR VENT
Test point 1	Climate control unit connector A (28P) No. 8 (WHT)
Test point 2	Mode control motor 7P connector No. 7 (WHT)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

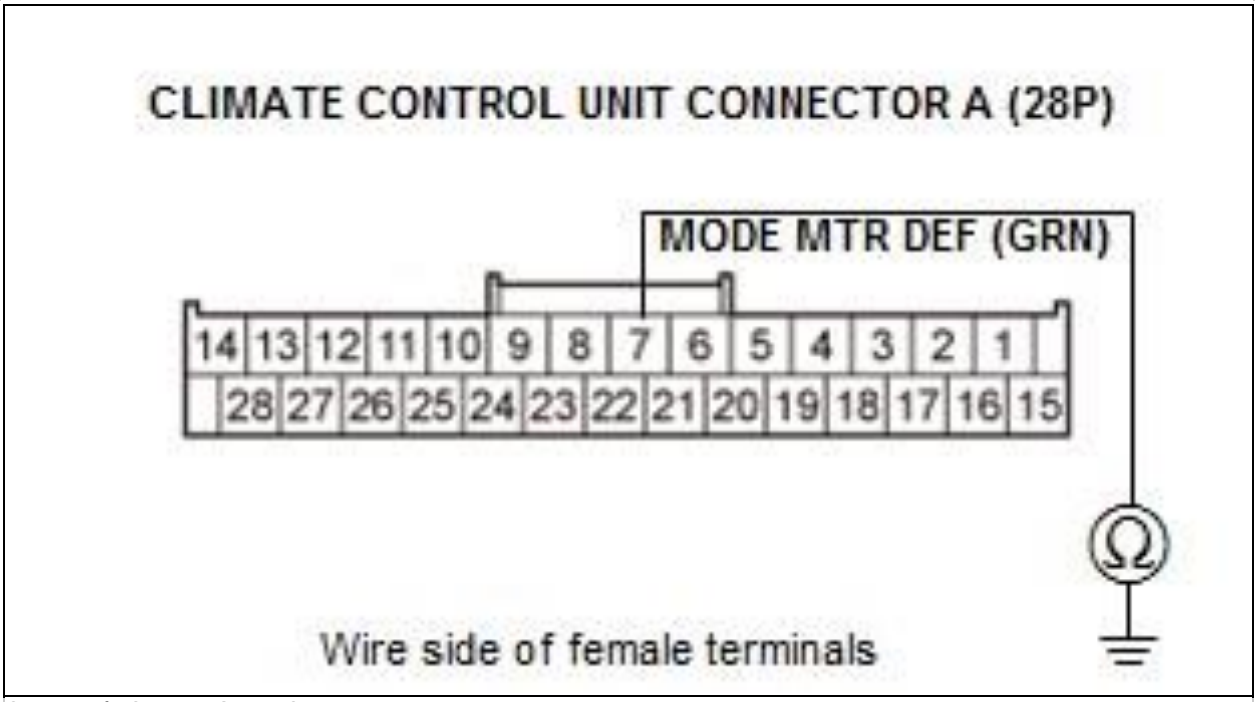
The MODE MTR VENT/MODE MOTOR VENT wire is not open. Go to step 4.

NO

Repair an open in the wire between the climate control unit and the mode control motor.

4. Shorted wire check (MODE MTR DEF/MODE MOTOR DEF line): Check for continuity between test points 1 and 2 individually.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR DEF
Test point 1	Climate control unit connector A (28P) No. 7 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

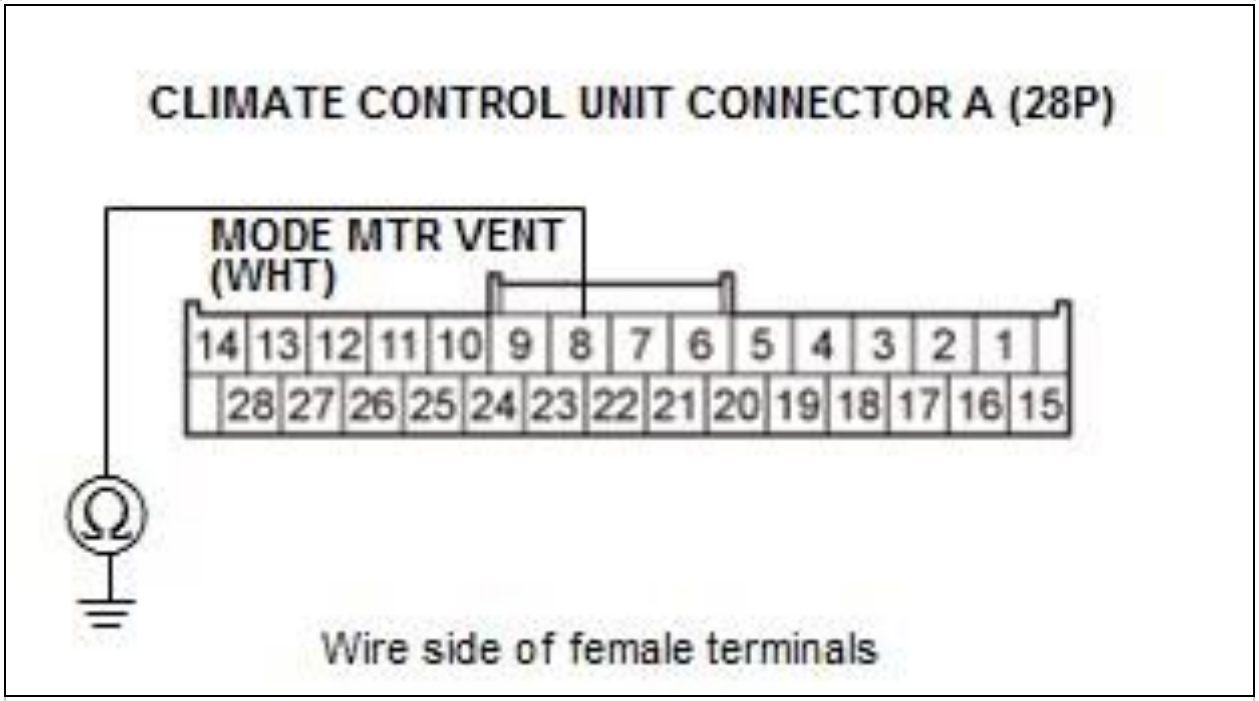
Repair a short to body ground in the wire between the climate control unit and the mode control motor.

NO

The MODE MTR DEF/MODE MOTOR DEF wire is OK. Go to step 5.

5. Shorted wire check (MODE MTR VENT/MODE MOTOR VENT line): Check for continuity between test points 1 and 2 individually.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR VENT
Test point 1	Climate control unit connector A (28P) No. 8 (WHT)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the mode control motor.

NO
The MODE MTR VENT/MODE MOTOR VENT wire is OK. Go to step 6.

6. Mode control motor check:
   Test the mode control motor .
   Is the mode control motor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the mode control motor , or repair the mode control linkage or doors.

DTC TROUBLESHOOTING > DTC B1240 (B-B6), B1240 (4B): A PROBLEM IN THE MODE CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2016-18)

DTC Description	DTC
B1240 A problem in the mode control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1240 A problem in the mode control motor circuit, linkage, door, or motor	

   Is DTC B1240, Error on the DTC screen B-B6 (with navigation), or 4b (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the mode control motor circuit.

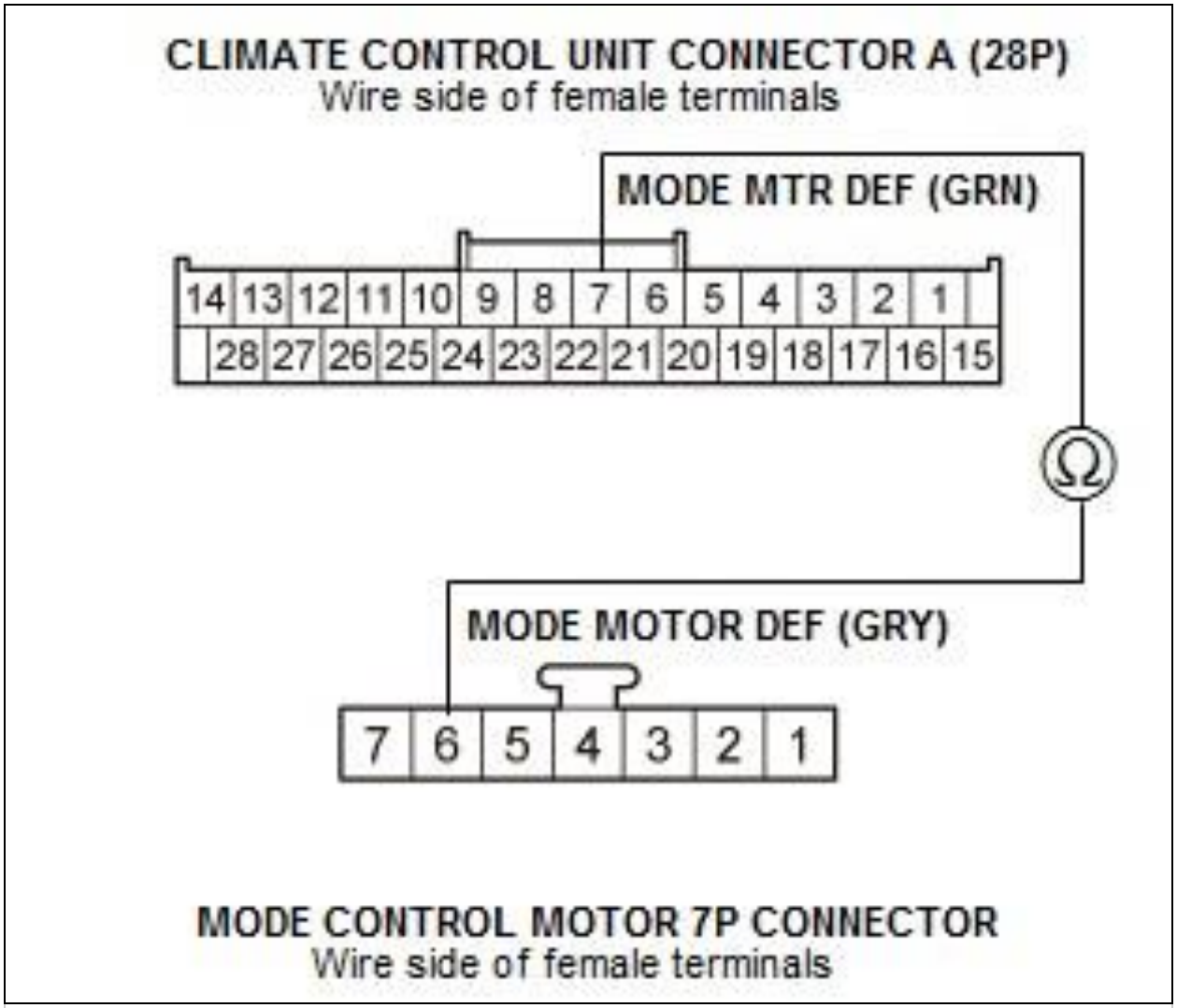
2. Open wire check (MODE MTR DEF/MODE MOTOR DEF line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Mode control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR DEF/MODE MOTOR DEF
Test point 1	Climate control unit connector A (28P) No. 7 (GRN)
Test point 2	Mode control motor 7P connector No. 6 (GRY)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The MODE MTR DEF/MODE MOTOR DEF wire is not open. Go to step 3.

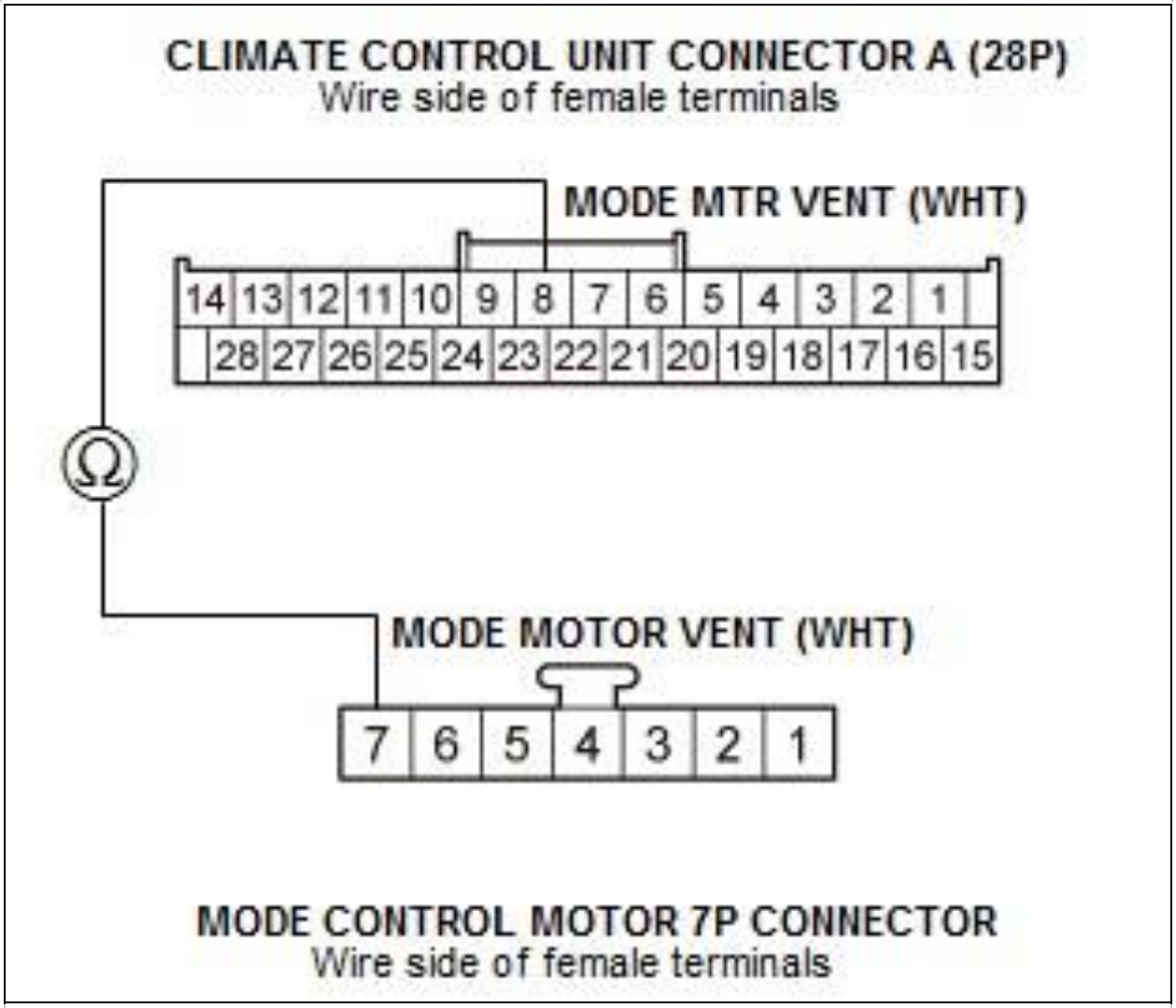
NO

Repair an open in the MODE MTR DEF/MODE MOTOR DEF wire.

3. Open wire check (MODE MTR VENT/MODE MOTOR VENT line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR VENT/MODE MOTOR VENT
Test point 1	Climate control unit connector A (28P) No. 8 (WHT)

Test point 2	Mode control motor 7P connector No. 7 (WHT)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The MODE MTR VENT/MODE MOTOR VENT wire is not open. Go to step 4.

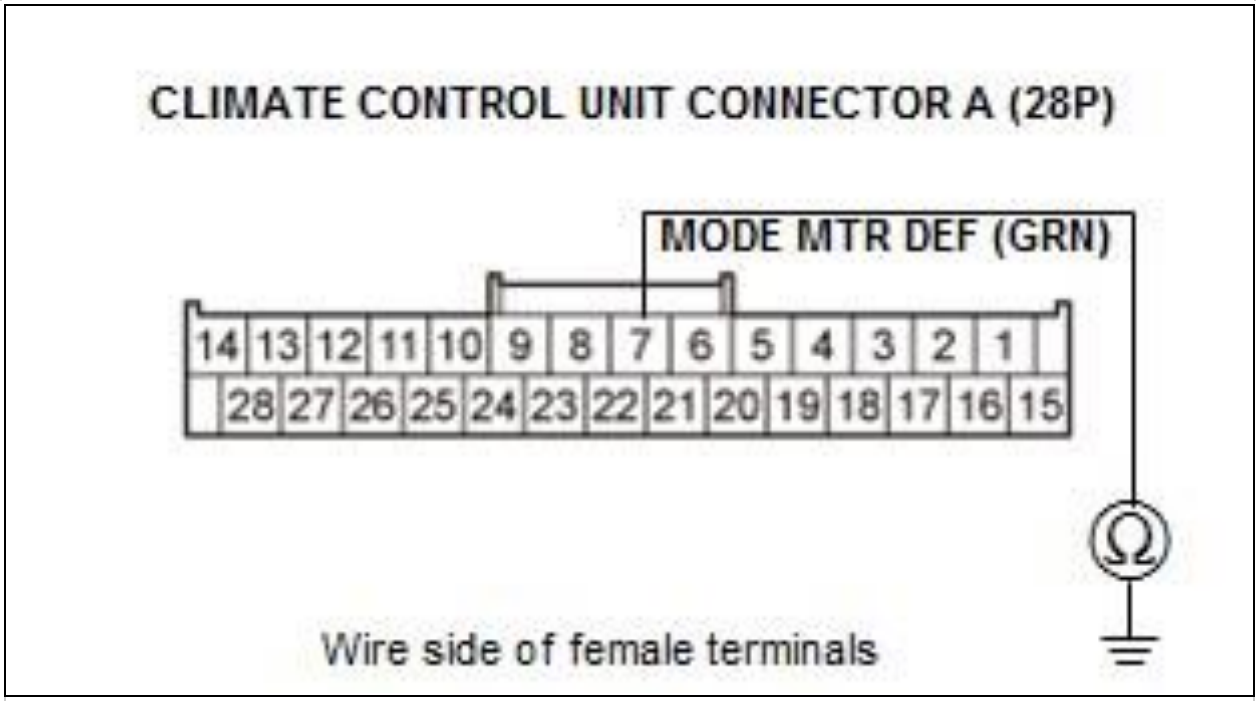
NO

Repair an open in the MODE MTR DEF/MODE MOTOR DEF wire.

4. Shorted wire check (MODE MTR DEF/MODE MOTOR DEF line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR DEF

Test point 1	Climate control unit connector A (28P) No. 7 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

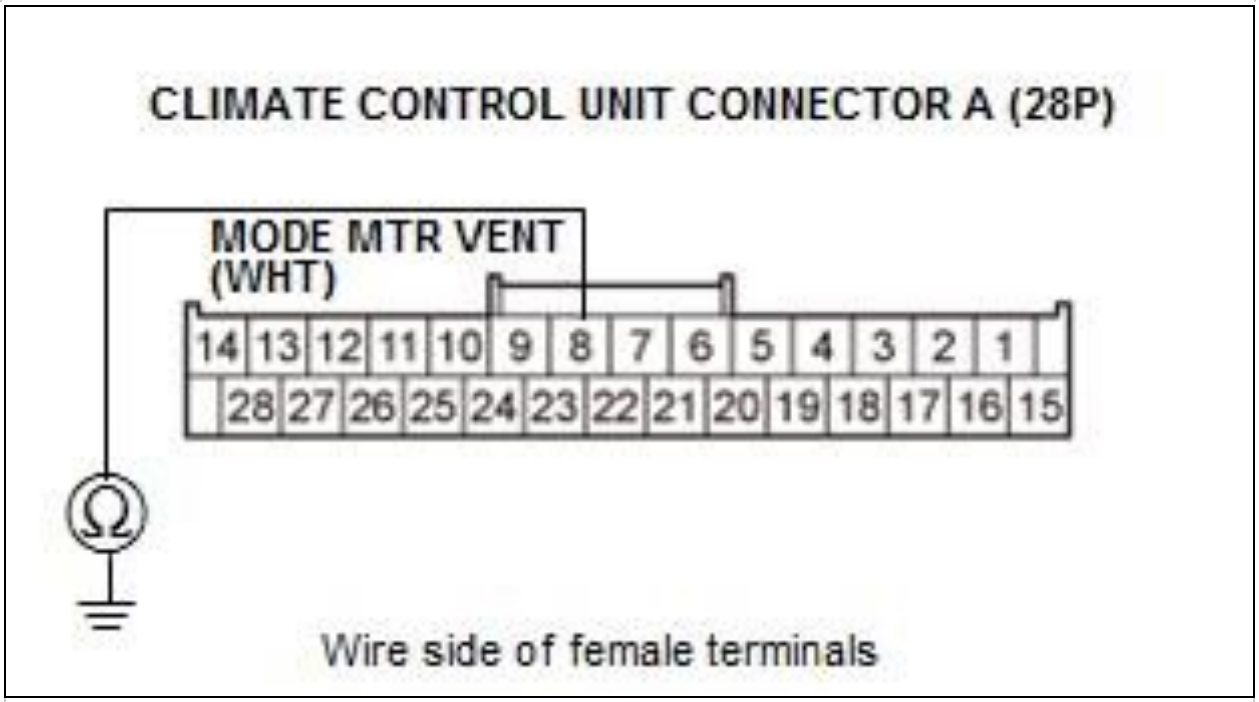
Repair a short to ground in the MODE MTR DEF/MODE MOTOR DEF wire.

NO

The MODE MTR DEF/MODE MOTOR DEF wire is OK. Go to step 5.

5. Shorted wire check (MODE MTR VENT/MODE MOTOR VENT line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Mode control motor 7P connector: disconnected
Test circuit	MODE MTR VENT
Test point 1	Climate control unit connector A (28P) No. 8 (WHT)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the MODE MTR VENT/MODE MOTOR VENT wire.

NO

The MODE MTR VENT/MODE MOTOR VENT wire is OK. Go to step 6.

6. Mode control motor check:
   Test the mode control motor .
   Is the mode control motor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the mode control motor , or repair the mode control linkage or doors.

DTC TROUBLESHOOTING > DTC B1241 (59): A PROBLEM IN THE BLOWER MOTOR CIRCUIT (2013-15)

DTC Description	DTC
B1241 A problem in the blower motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B1241 A problem in the blower motor circuit	

   Is DTC B1241 or 59 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the blower motor circuit.

2. Fuse check:
   Press the engine start/stop button to select the OFF mode. -
   2. Check the following fuse.

Fuse	No. A2-10 (40 A)
Location	Under-hood fuse/relay box

   Is the fuse OK?
   YES
   Go to step 3.
   NO
   Replace the fuse, and recheck. If fuse blows again, repair a short in the No. A2-10 (40 A) fuse circuit.

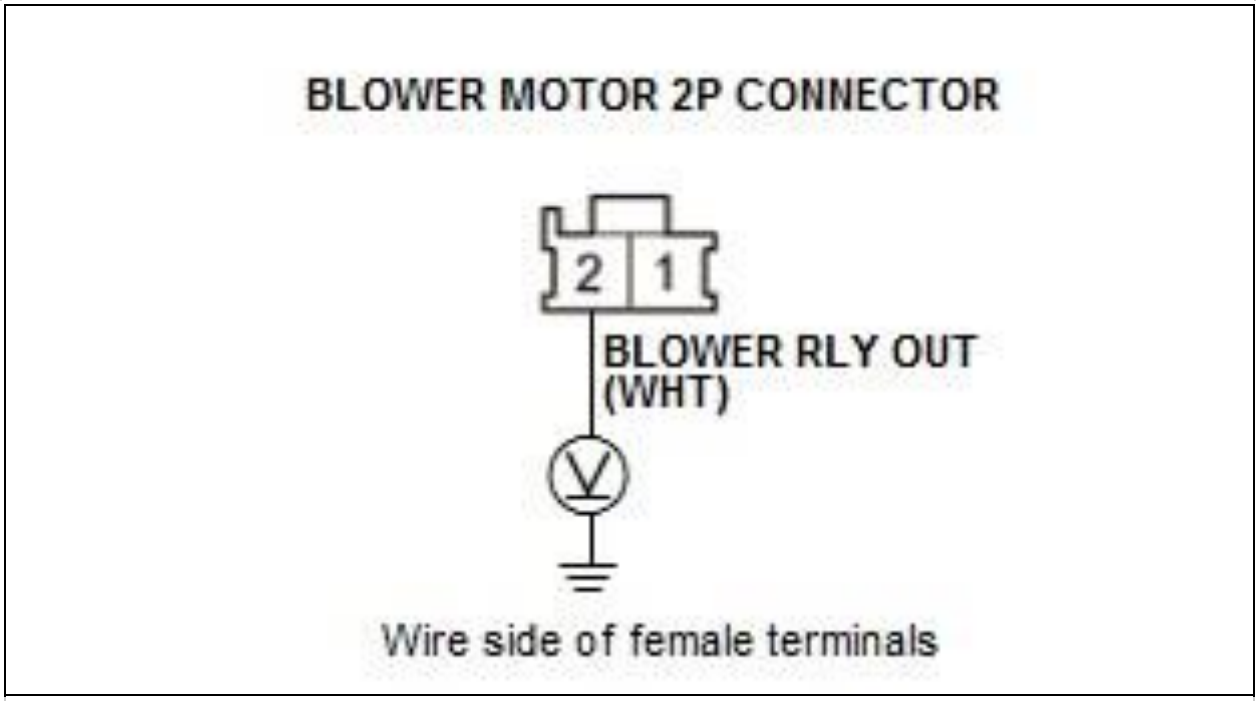
3. Blower motor power circuit check:
   Disconnect the following connector.

Blower motor 2P connector

   - 2. Press the engine start/stop button to select the ON mode. -
   3. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Blower motor 2P connector: disconnected
Test circuit	BLOWER RLY OUT

Test point 1	Blower motor 2P connector No. 2 (WHT)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

Go to step 4.

NO

Go to step 12.

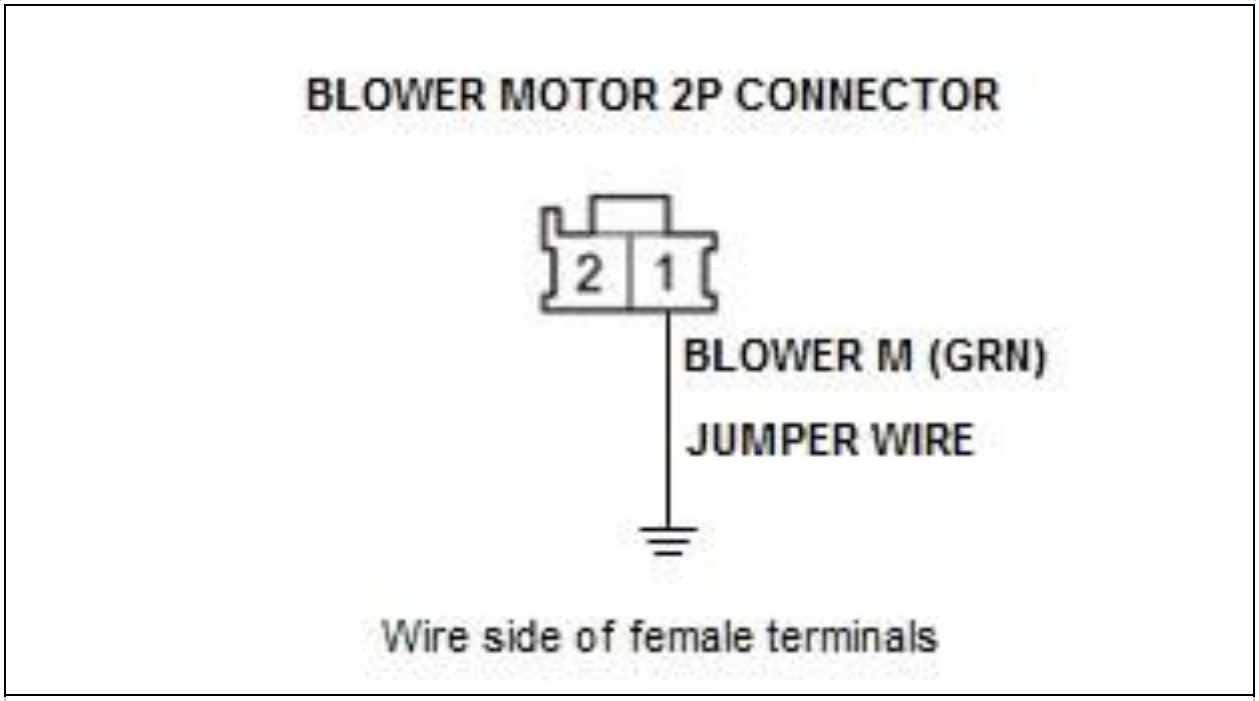
4. Blower motor operation check:

Press the engine start/stop button to select the OFF mode.

- 2. Reconnect the blower motor 2P connector.
- 3. Connect terminals A and B with a jumper wire.

Terminal A	Blower motor 2P connector No. 1 (GRN)

Terminal B	Body ground



Courtesy of HONDA, U.S.A., INC.

- 4. Press the engine start/stop button to select the ON mode.

Does the blower motor run at high speed?

YES

Go to step 5.

NO

Replace the blower motor .

5. Open wire check (GND line):

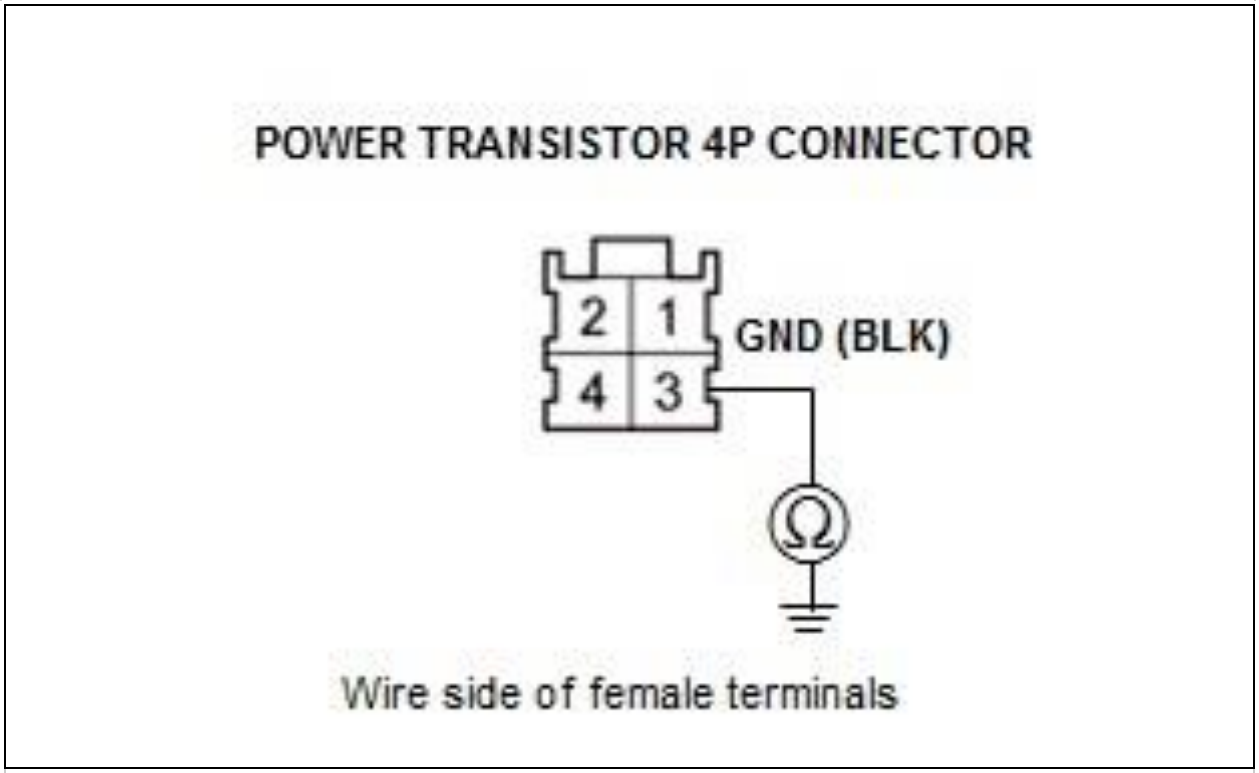
Press the engine start/stop button to select the OFF mode.

- 2. Disconnect the jumper wire.
- 3. Disconnect the following connector.

Power transistor 4P connector

- 4. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Power transistor 4P connector: disconnected
Test circuit	GND
Test point 1	Power transistor 4P connector No. 3 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The GND wire is OK. Go to step 6.

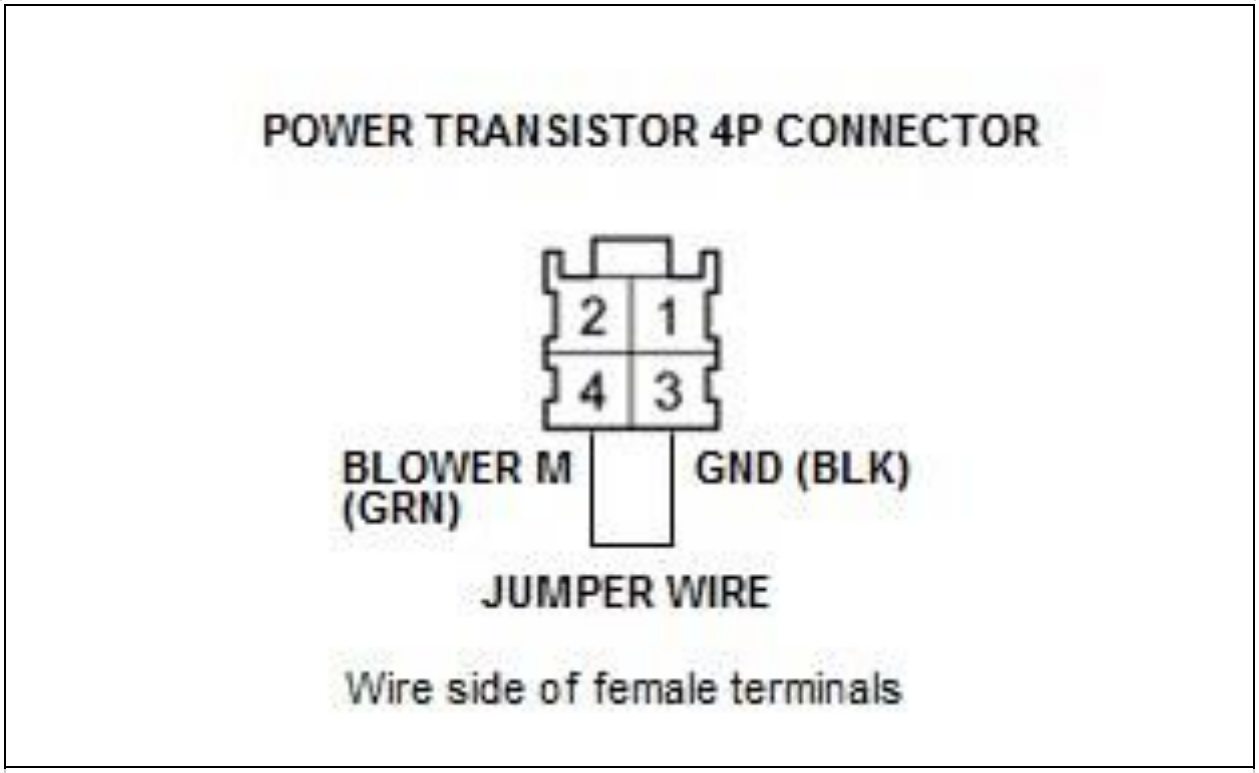
NO

Check for an open in the wire between the power transistor and body ground. If the wire is OK, check for poor ground at G401.

6. Open wire check (BLOWER M line):

Connect terminals A and B with a jumper wire.

Terminal A	Power transistor 4P connector No. 3 (BLK)
Terminal B	Power transistor 4P connector No. 4 (GRN)



Courtesy of HONDA, U.S.A., INC.

- 2. Press the engine start/stop button to select the ON mode.

Does the blower motor run at high speed?

YES

The BLOWER M wire is OK. Go to step 7.

NO

Repair an open in the wire between the power transistor and the blower motor.

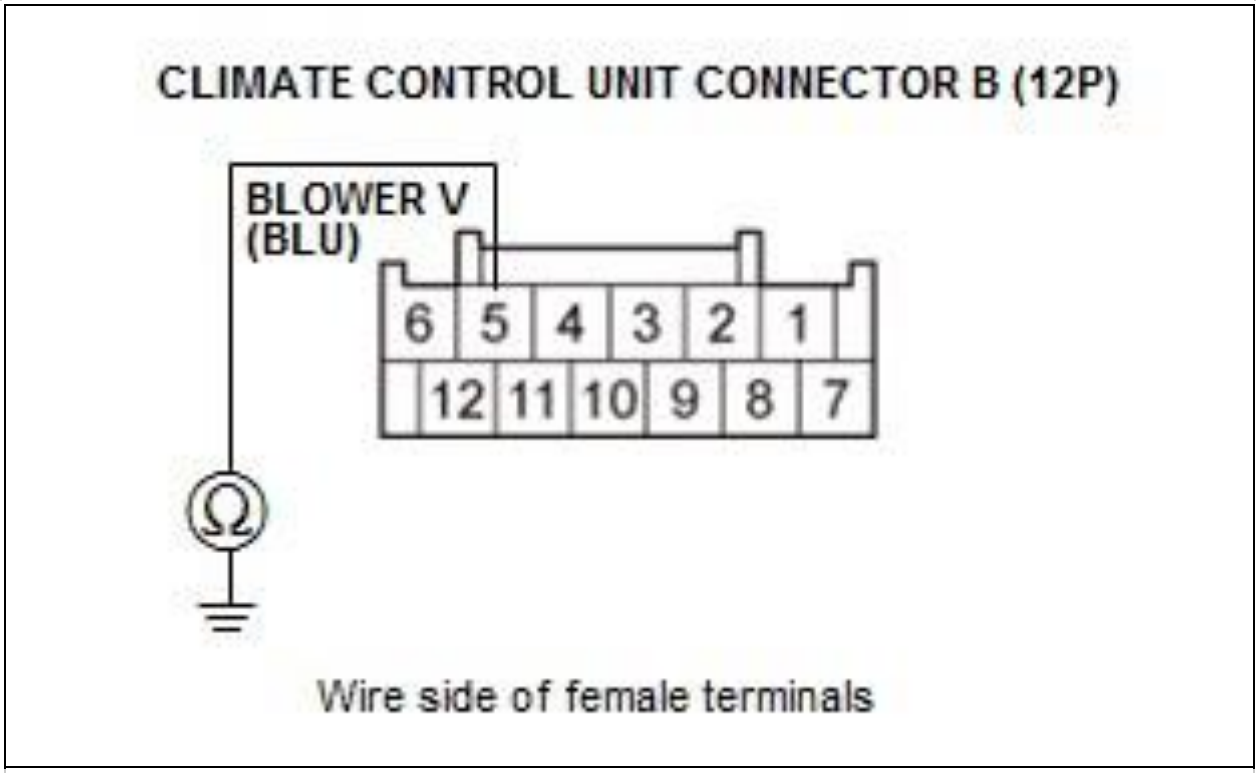
7. Shorted wire check (BLOWER V line):

Press the engine start/stop button to select the OFF mode.
- 2. Disconnect the jumper wire.
- 3. Disconnect the following connector.

Climate control unit connector B (12P)

- 4. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER V
Test point 1	Climate control unit connector B (12P) No. 5 (BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

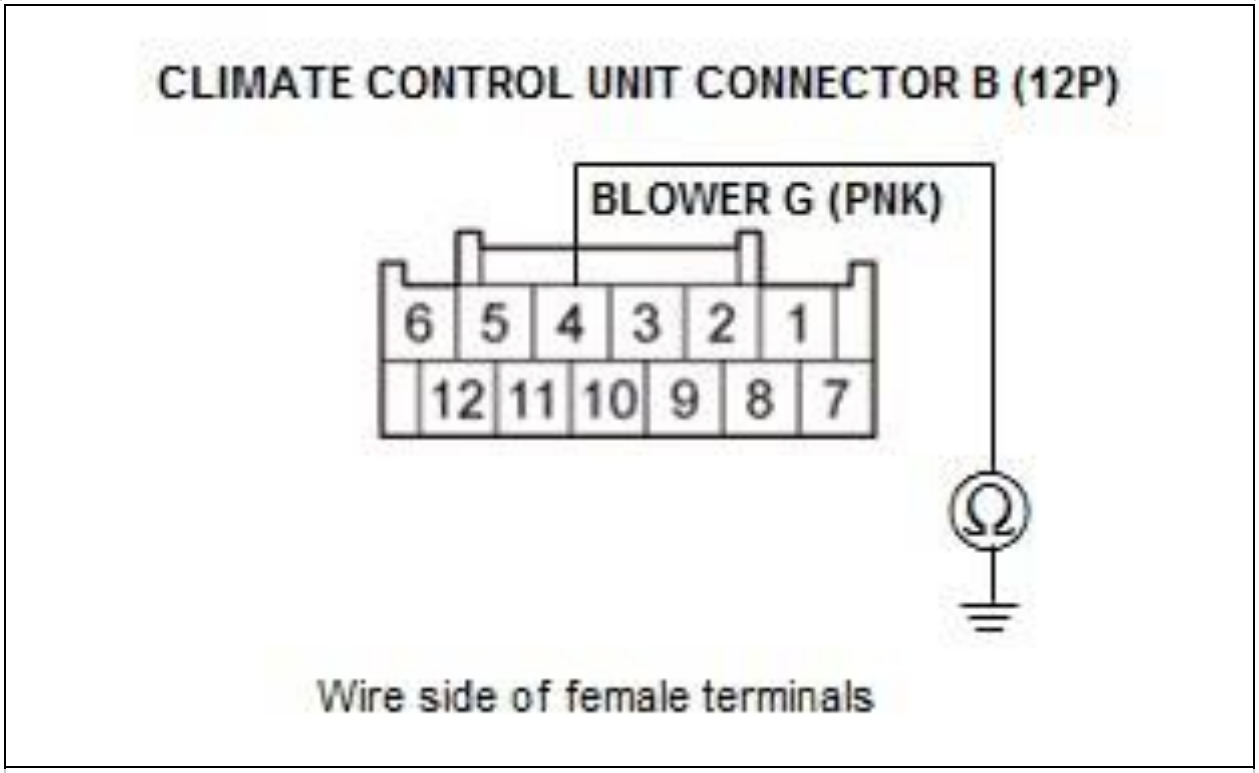
Repair a short to body ground in the wire between the climate control unit and the power transistor.

NO

The BLOWER V wire is not shorted. Go to step 8.

8. Shorted wire check (BLOWER G line):
Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER G
Test point 1	Climate control unit connector B (12P) No. 4 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

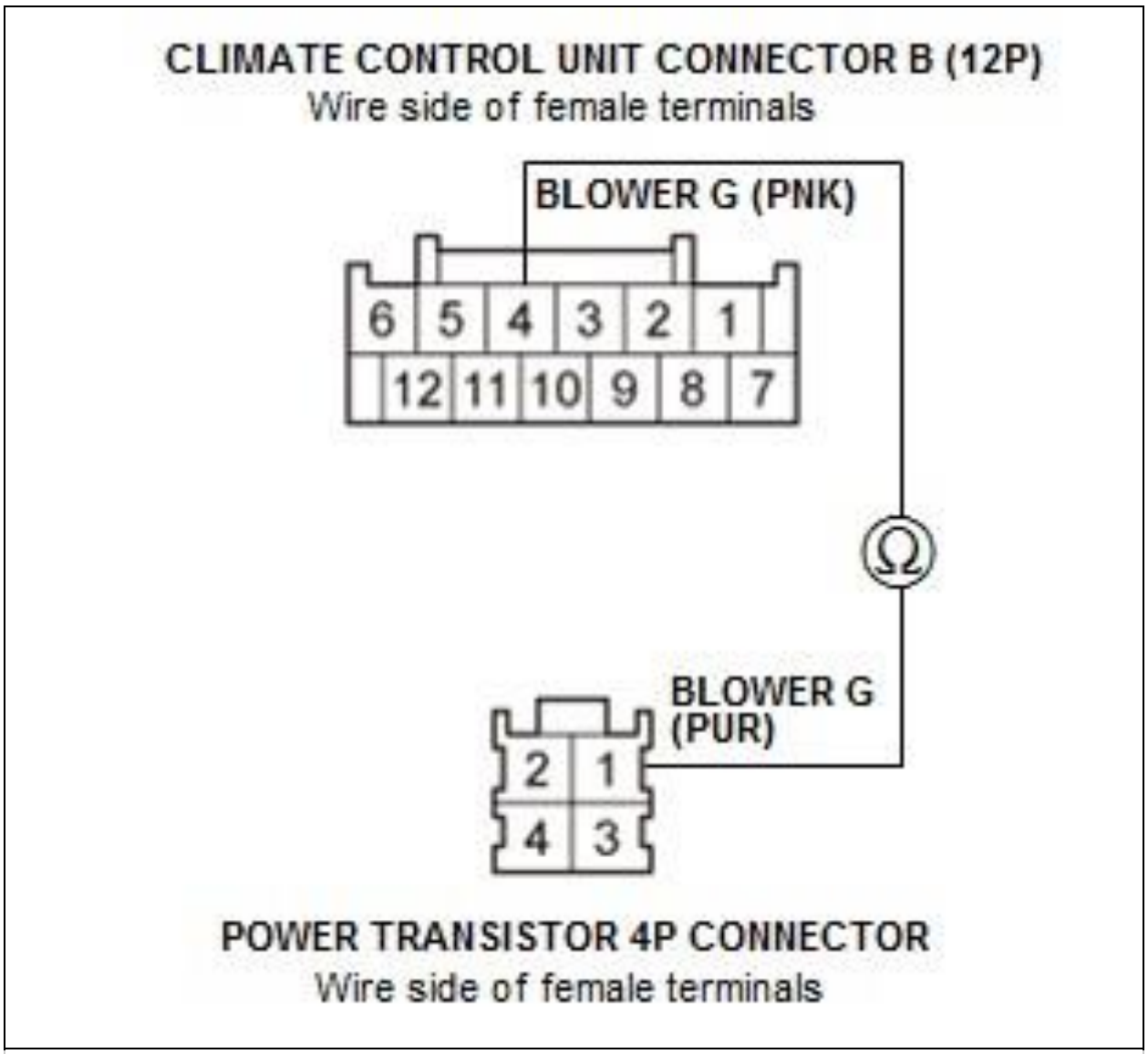
YES

Repair a short to body ground in the wire between the climate control unit and the power transistor.

NO
The BLOWER G wire is not shorted. Go to step 9.

9. Open wire check (BLOWER G line):
Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER G
Test point 1	Climate control unit connector B (12P) No. 4 (PNK)
Test point 2	Power transistor 4P connector No. 1 (PUR)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The BLOWER G wire is OK. Go to step 10.

NO

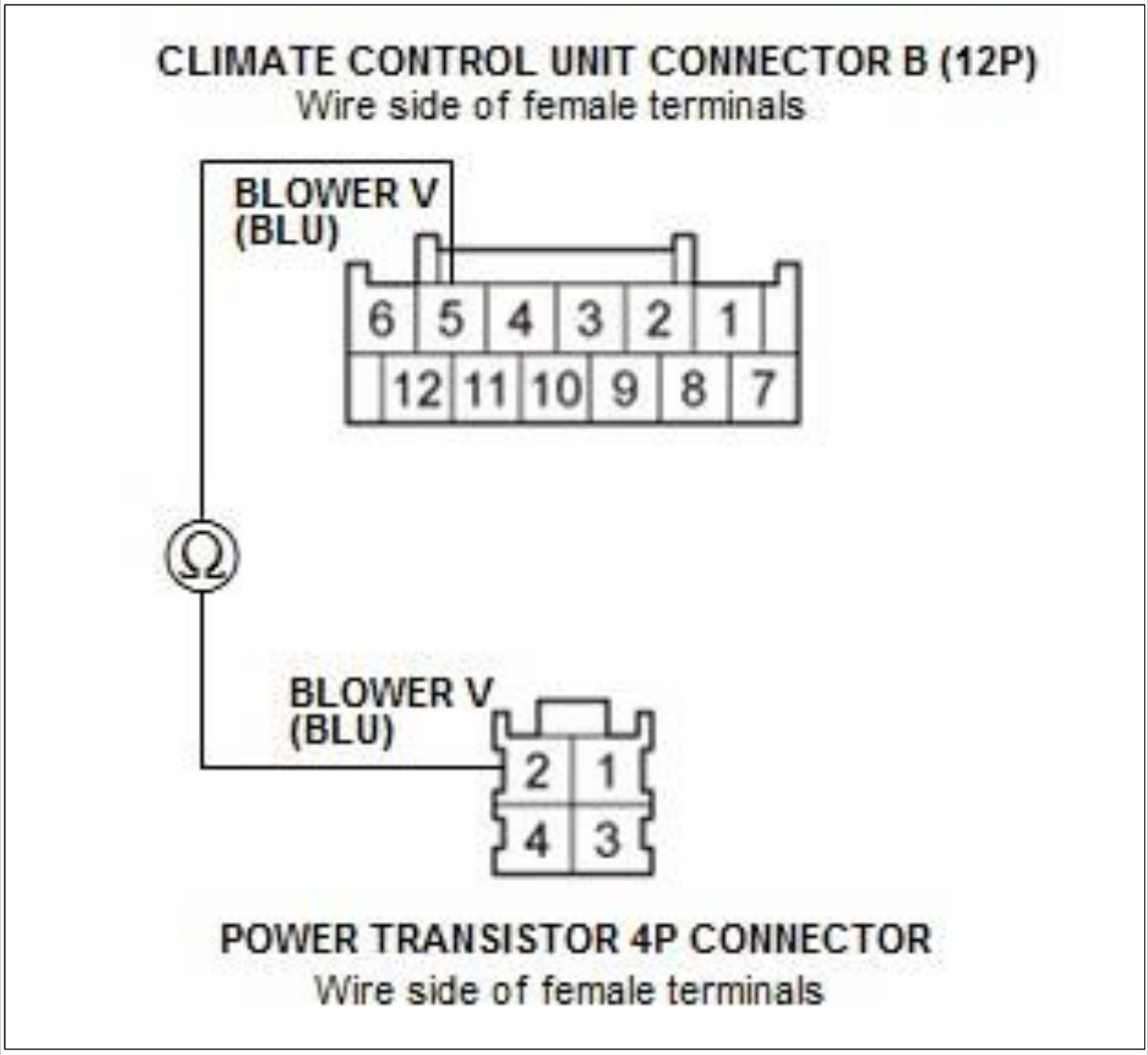
Repair an open in the wire between the climate control unit and the power transistor.

10. Open wire check (BLOWER V line):

Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER V

Test point 1	Climate control unit connector B (12P) No. 5 (BLU)
Test point 2	Power transistor 4P connector No. 2 (BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The BLOWER V wire is OK. Go to step 11.

NO

Repair an open in the wire between the climate control unit and the power transistor.

11. Power transistor check:

Reconnect climate control unit connector B (12P) .

- 2. Test the power transistor .

Is the power transistor OK?

YES

Replace the climate control unit .

NO

Replace the power transistor .

NOTE: If the power transistor is faulty, check the blower motor for damage. If necessary, replace the blower motor .

12. Blower motor relay check:

Press the engine start/stop button to select the OFF mode.

- 2. Remove the blower motor relay from the under-hood fuse/relay box, and test it . Is the relay OK?

YES

Go to step 13.

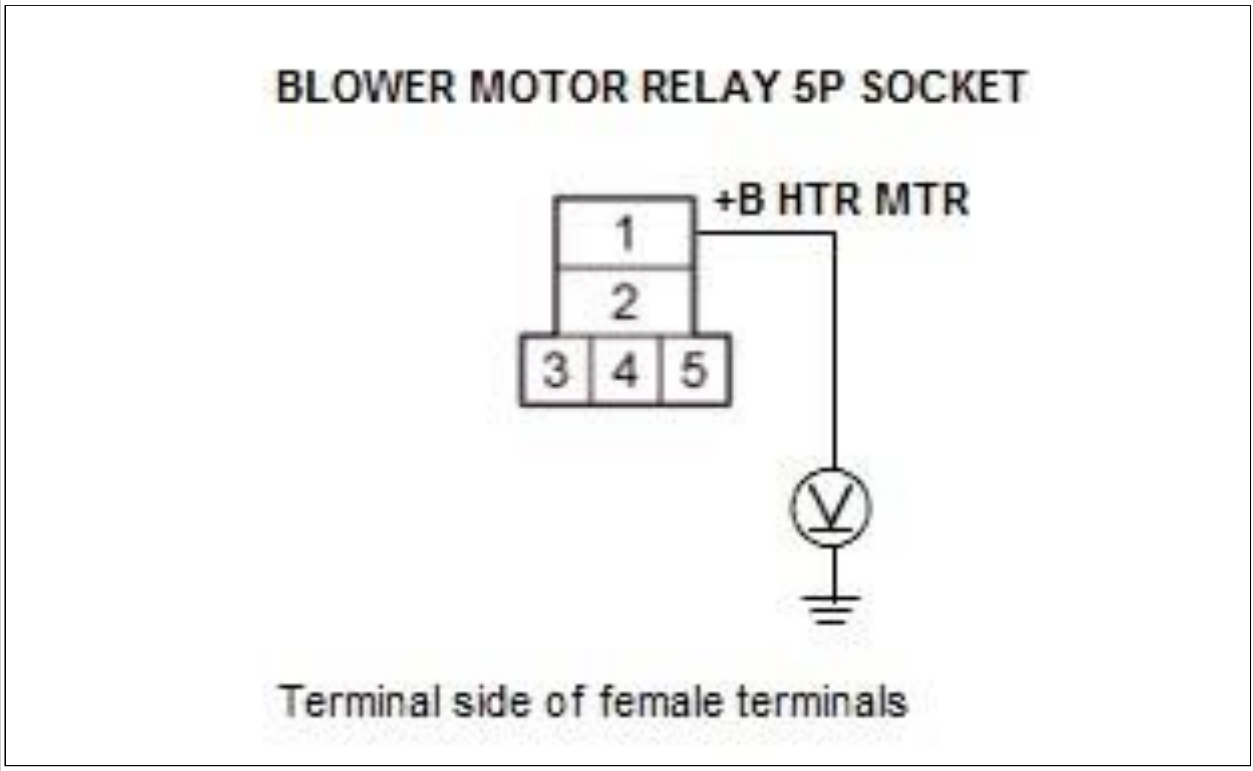
NO

Replace the blower motor relay.

13. Open wire check (+B HTR MTR line):

Measure the voltage between test points 1 and 2.

Test condition	OFF mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	+B HTR MTR
Test point 1	Blower motor relay 5P socket No. 1
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

The +B HTR MTR wire is OK. Go to step 14.

NO

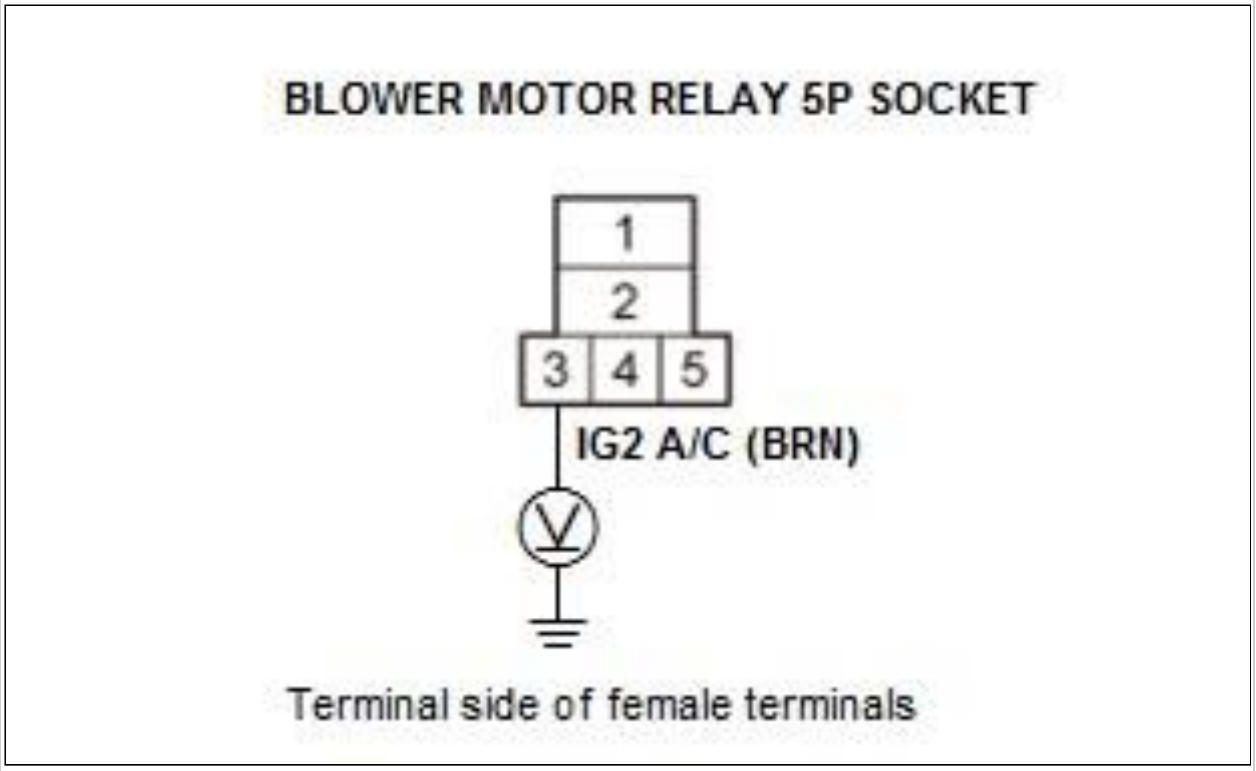
An open in +B HTR MTR wire. Replace the under-hood fuse/relay box .

14. Open wire check (IG2 A/C line):

Press the engine start/stop button to select the ON mode. -

2. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	IG2 A/C
Test point 1	Blower motor relay 5P socket No. 3 (BRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

The IG2 A/C wire is OK. Go to step 15.

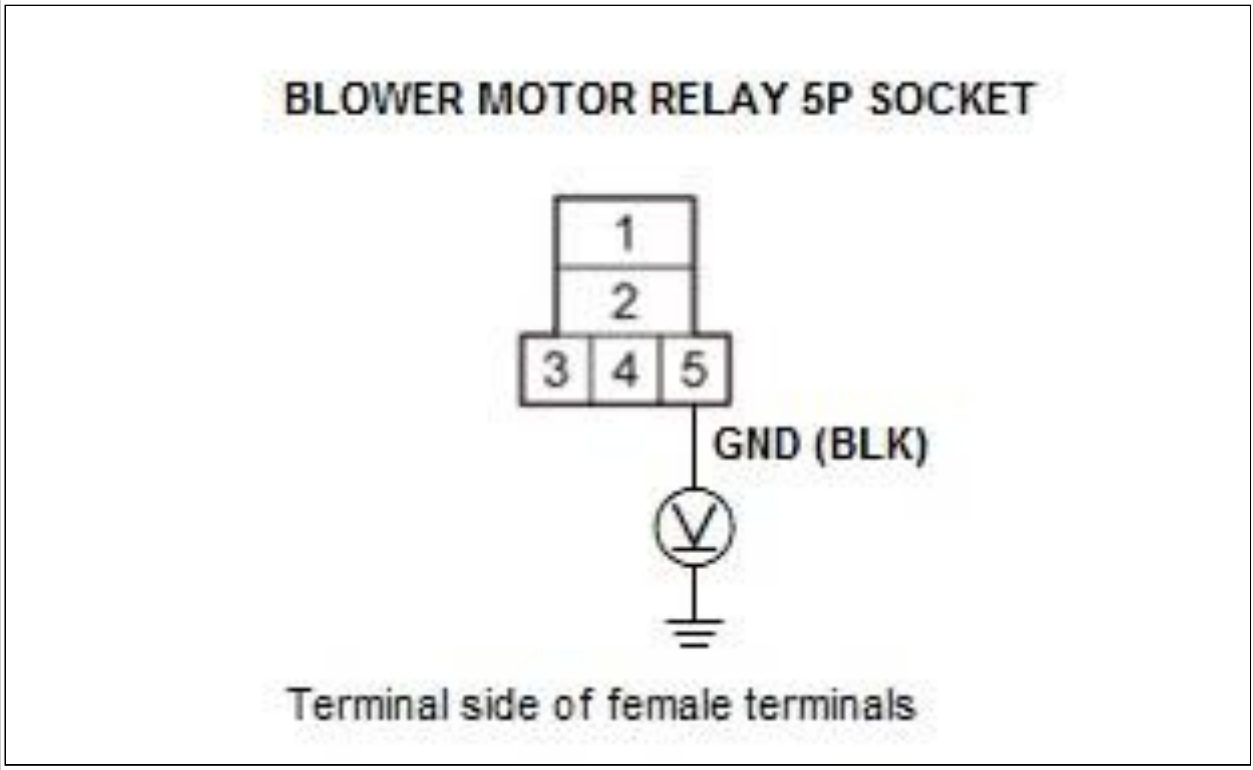
NO

Repair an open in the wire between the No. B22 (7.5 A) fuse in the under-dash fuse/relay box and the blower motor relay.

15. Open wire check (GND line):

Press the engine start/stop button to select the OFF mode. -
2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	GND
Test point 1	Blower motor relay 5P socket No. 5 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
Repair an open in the wire between the blower motor relay and the blower motor.
NO
Check for an open in the wire between the blower motor relay and body ground. If the wire is OK, check for poor ground at G302.

DTC TROUBLESHOOTING > DTC B1241 (C-A7), B1241 (59): A PROBLEM IN THE BLOWER MOTOR CIRCUIT (2016-18)

DTC Description	DTC

B1241 A problem in the blower motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B1241 A problem in the blower motor circuit	

   Is DTC B1241, Error on the DTC screen C-A7 (with navigation), or 59 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the blower motor circuit.

2. Fuse check:
   Press the engine start/stop button to select the OFF mode. -
   2. Check the following fuse.

Fuse	No. A2-10 (40 A)
Location	Under-hood fuse/relay box

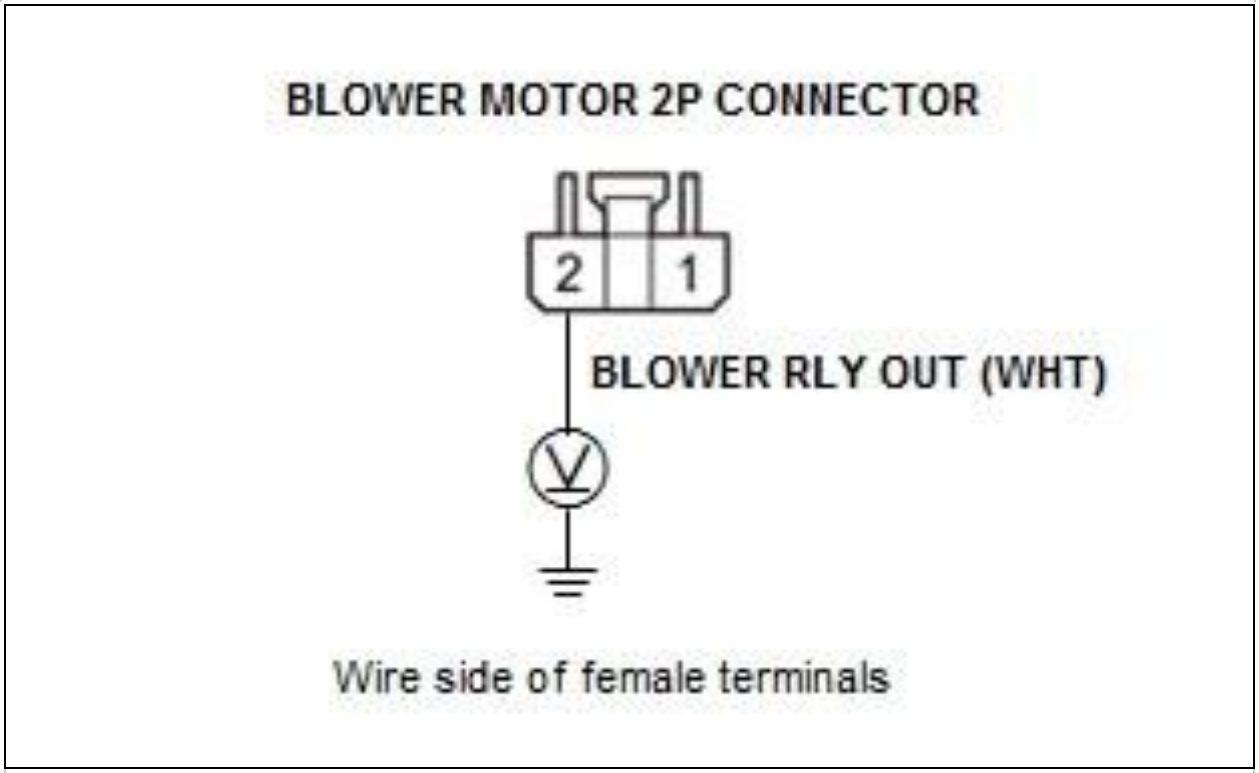
   Is the fuse OK?
   YES
   Go to step 3.
   NO
   Replace the fuse, and recheck. If fuse blows again, repair a short in the No. A2-10 (40 A) fuse circuit.

3. Blower motor power circuit check:
   Disconnect the following connector.

Blower motor 2P connector

   - 2. Press the engine start/stop button to select the ON mode. -
   3. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Blower motor 2P connector: disconnected
Test circuit	BLOWER RLY OUT
Test point 1	Blower motor 2P connector No. 2 (WHT)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

Go to step 4.

NO

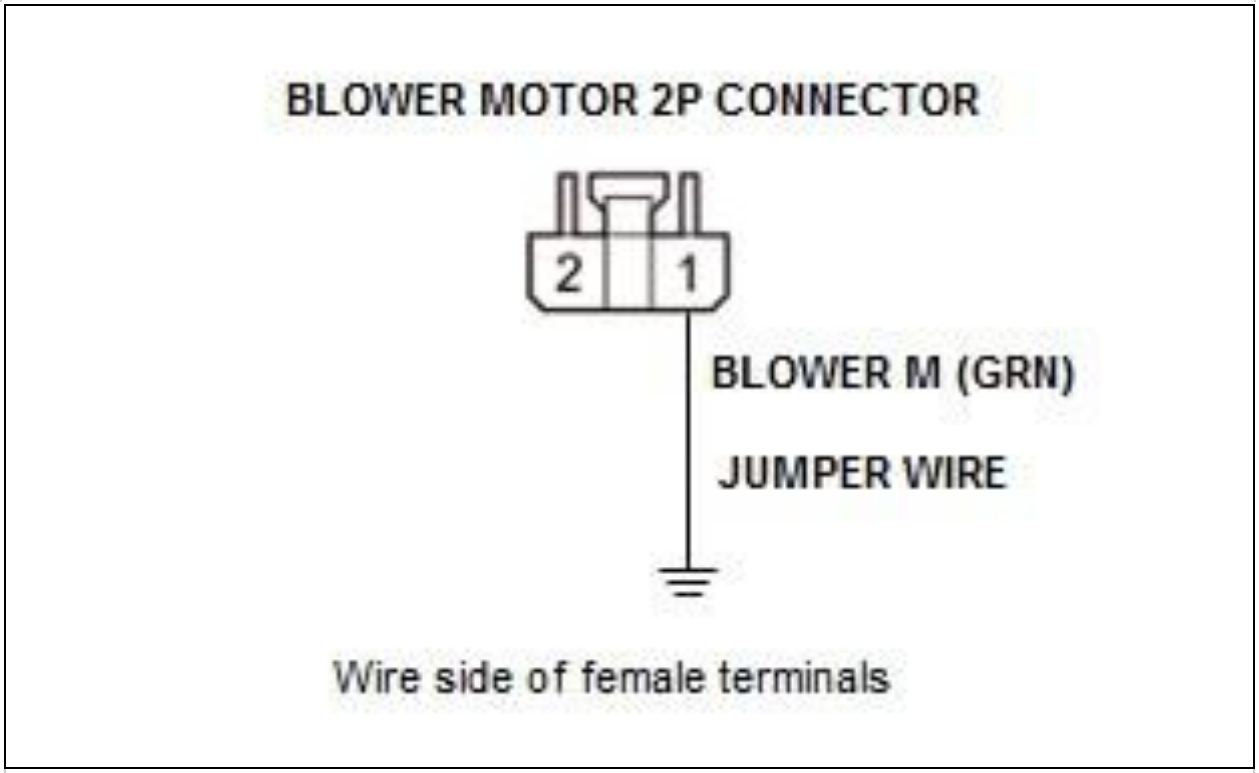
Go to step 12.

4. Blower motor operation check:

Press the engine start/stop button to select the OFF mode.

- 2. Reconnect the blower motor 2P connector .
- 3. Connect terminals A and B with a jumper wire.

Terminal A	Blower motor 2P connector No. 1 (GRN)
Terminal B	Body ground



Courtesy of HONDA, U.S.A., INC.

- 4. Press the engine start/stop button to select the ON mode.

Does the blower motor run at high speed?

YES

Go to step 5.

NO

Replace the blower motor .

5. Open wire check (GND line):

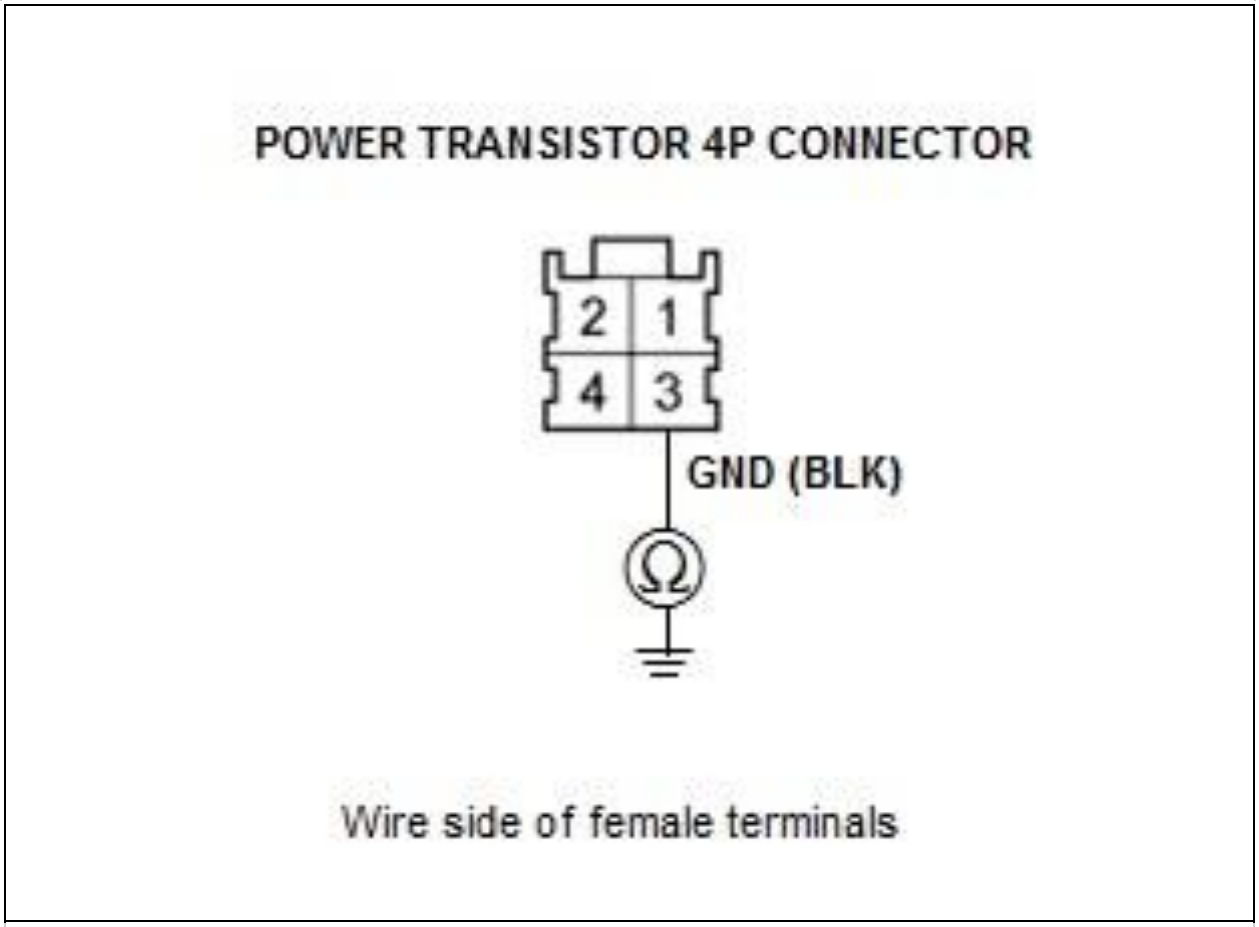
Press the engine start/stop button to select the OFF mode.

- 2. Disconnect the jumper wire.
- 3. Disconnect the following connector.

Power transistor 4P connector

- 4. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Power transistor 4P connector: disconnected
Test circuit	GND
Test point 1	Power transistor 4P connector No. 3 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

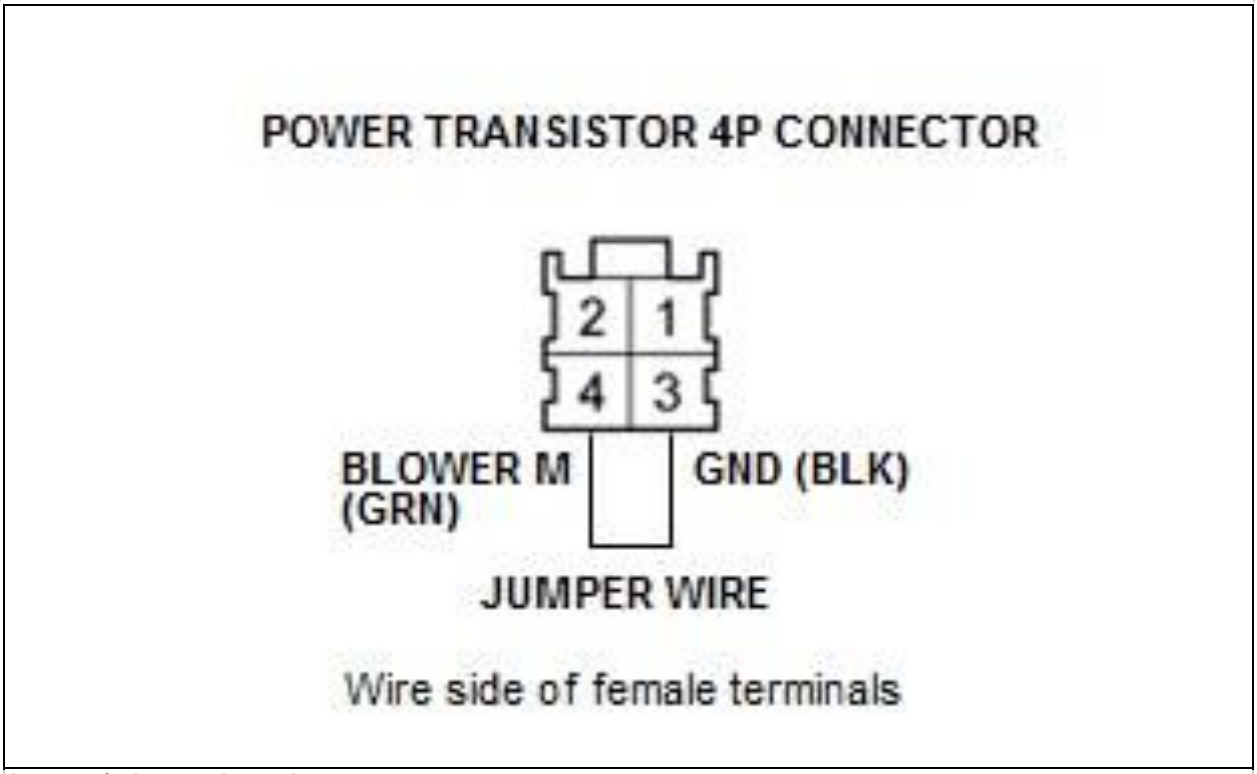
The GND wire is OK. Go to step 6.

NO

Check for an open in the GND wire. If the wire is OK, check for poor ground at G401.

6. Open wire check (BLOWER M line):
   Connect terminals A and B with a jumper wire.

Terminal A	Power transistor 4P connector No. 3 (BLK)
Terminal B	Power transistor 4P connector No. 4 (GRN)



Courtesy of HONDA, U.S.A., INC.

- 2. Press the engine start/stop button to select the ON mode.

Does the blower motor run at high speed? **YES**

The BLOWER M wire is OK. Go to step 7.

NO

Repair an open in the BLOWER M wire.

7. Shorted wire check (BLOWER V line):

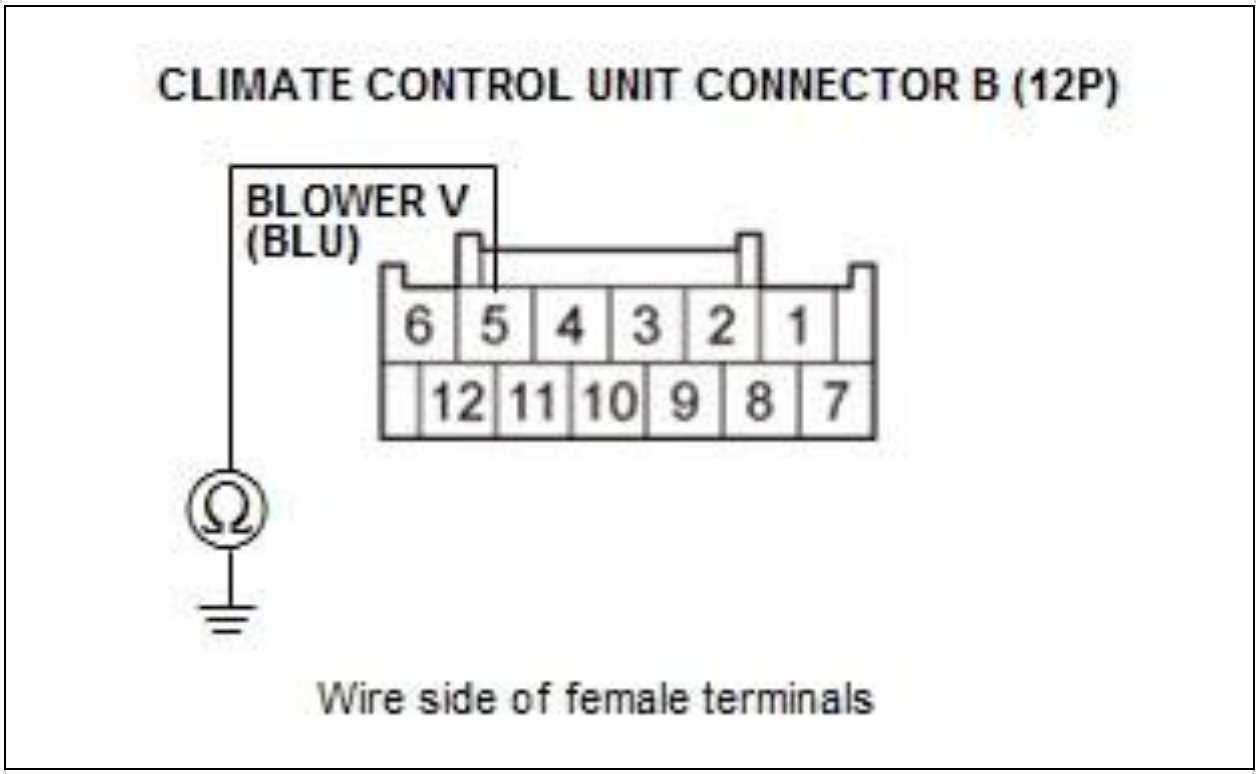
Press the engine start/stop button to select the OFF mode.

- 2. Disconnect the jumper wire.
- 3. Disconnect the following connector.

Climate control unit connector B (12P)

- 4. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER V
Test point 1	Climate control unit connector B (12P) No. 5 (BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the BLOWER V wire.

NO

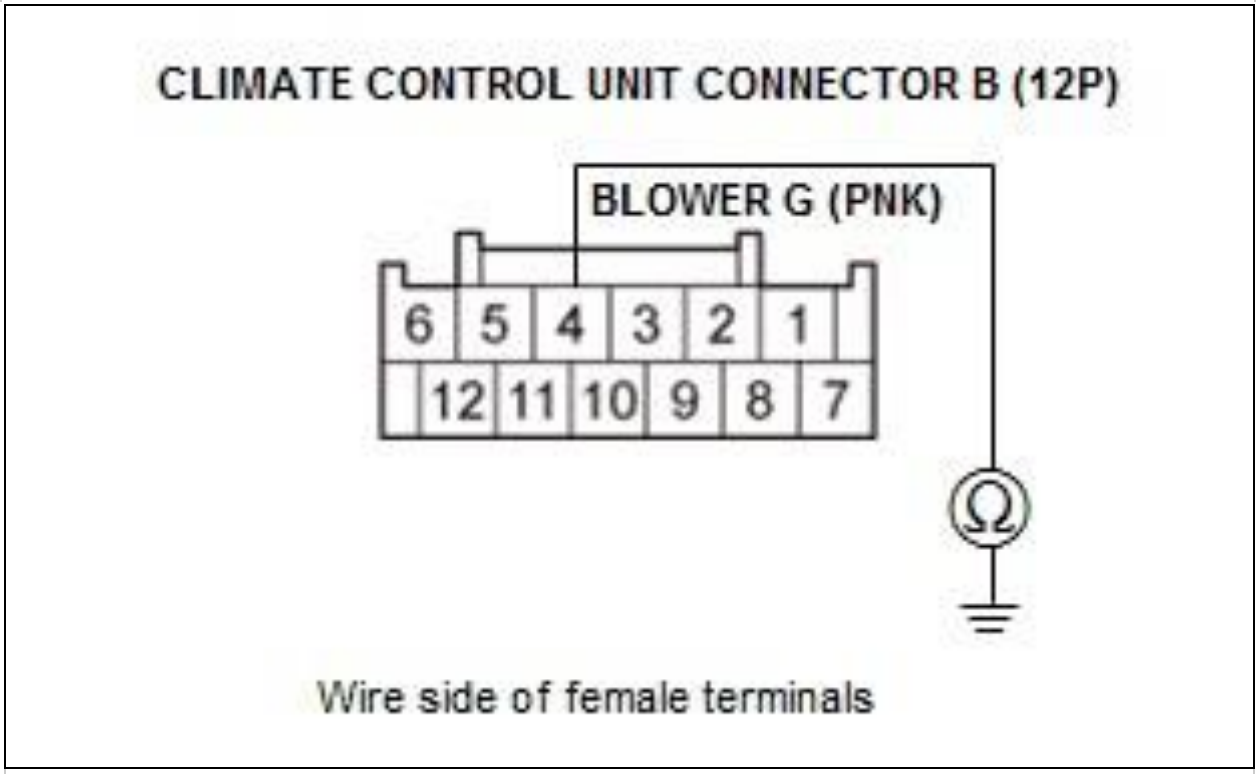
The BLOWER V wire is not shorted. Go to step 8.

8. Shorted wire check (BLOWER G line):

Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER G
Test point 1	Climate control unit connector B (12P) No. 4 (PNK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

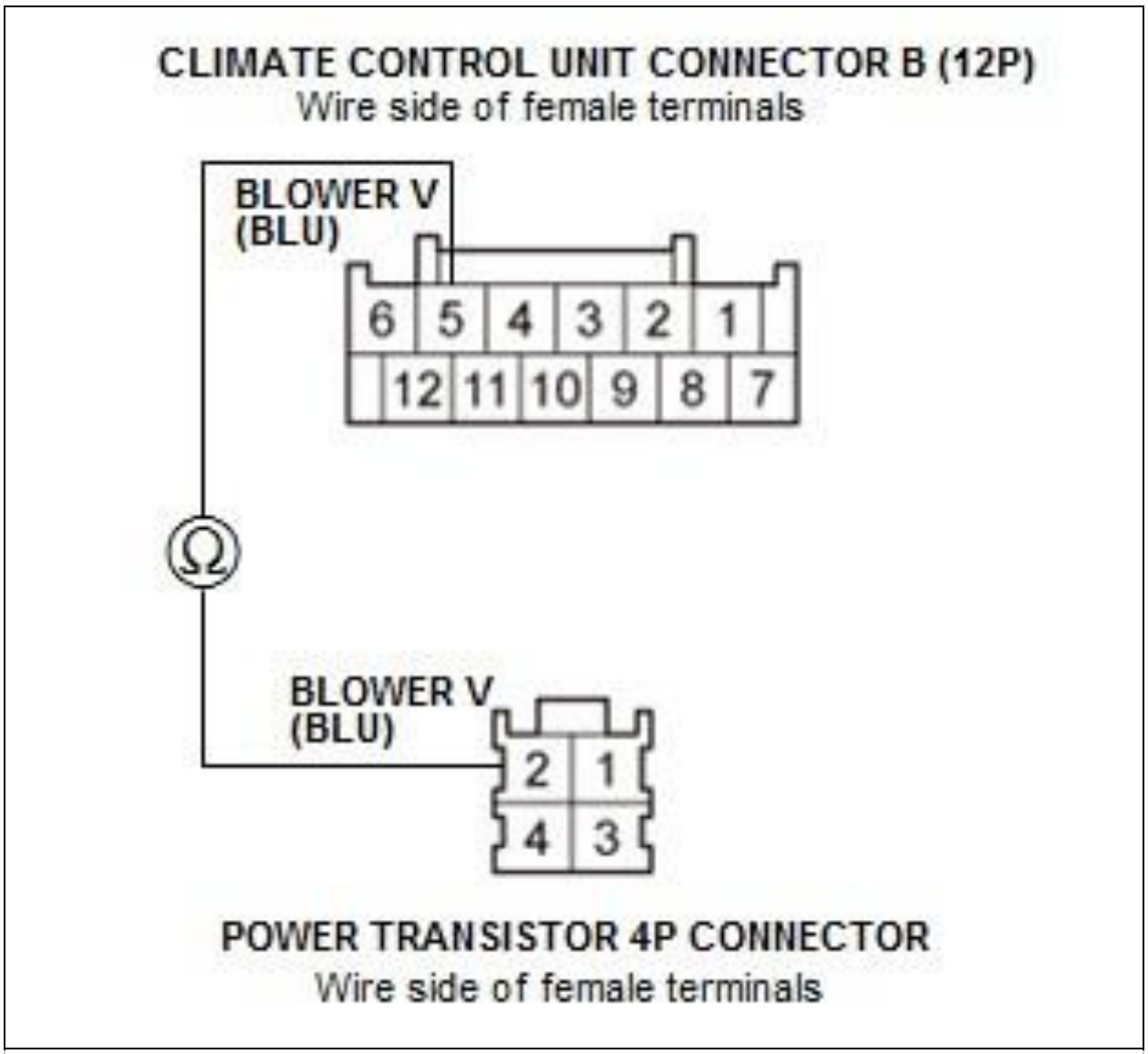
Repair a short to ground in the BLOWER G wire.

NO

The BLOWER G wire is not shorted. Go to step 9.

9. Open wire check (BLOWER V line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER V
Test point 1	Climate control unit connector B (12P) No. 5 (BLU)
Test point 2	Power transistor 4P connector No. 2 (BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The BLOWER V wire is OK. Go to step 10.

NO

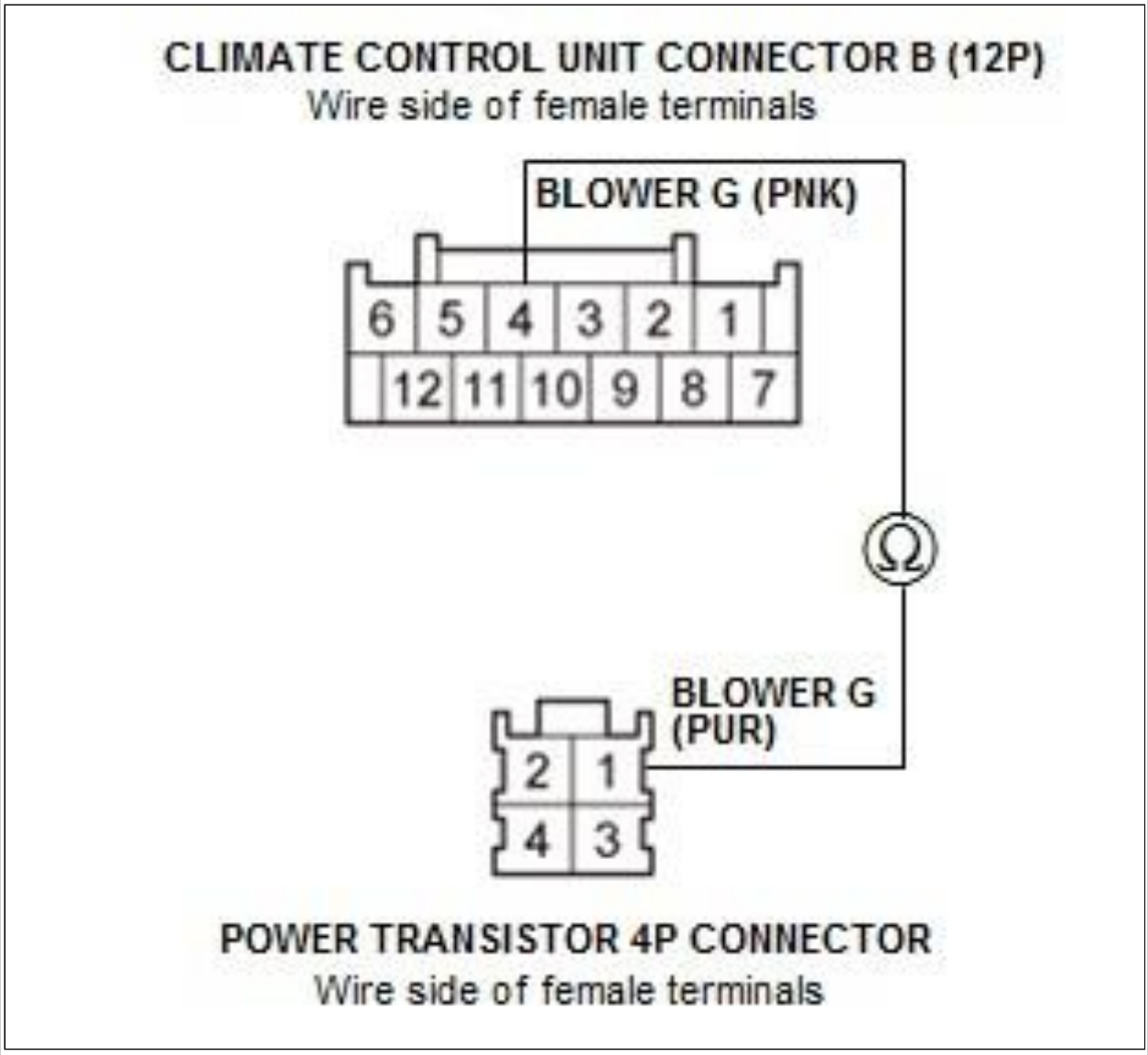
Repair an open in the BLOWER V wire.

10. Open wire check (BLOWER G line):

Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector B (12P): disconnected
	Power transistor 4P connector: disconnected
Test circuit	BLOWER G

Test point 1	Climate control unit connector B (12P) No. 4 (PNK)
Test point 2	Power transistor 4P connector No. 1 (PUR)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
The BLOWER G wire is OK. Go to step 11.
NO
Repair an open in the BLOWER G wire.

11. Power transistor check:
Reconnect climate control unit connector B (12P) .
- 2. Test the power transistor .
Is the power transistor OK?
YES
Replace the climate control unit .
NO

Replace the power transistor .

NOTE: If the power transistor is faulty, check the blower motor for damage. If necessary, replace the blower motor .

12. Blower motor relay check:

Press the engine start/stop button to select the OFF mode.

- 2. Remove the blower motor relay from the under-hood fuse/relay box, and test it . Is the relay OK?

YES

Go to step 13.

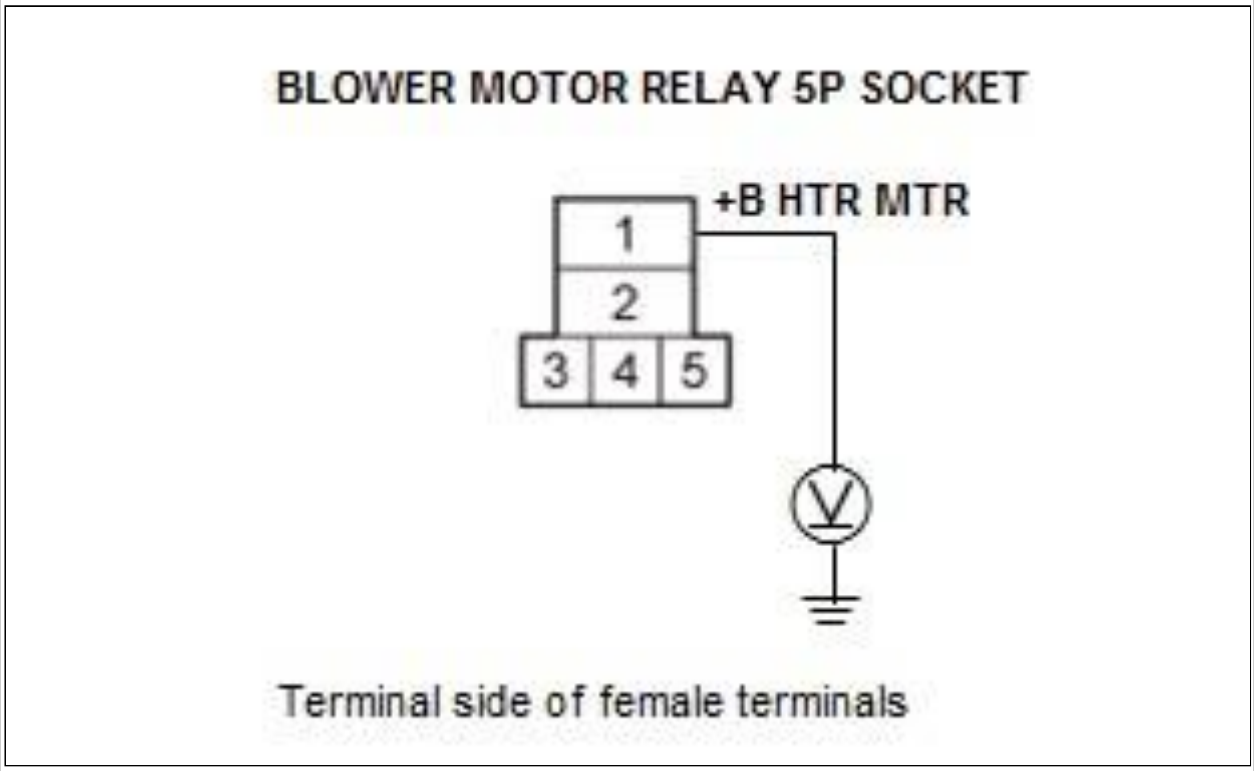
NO

Replace the blower motor relay.

13. Open wire check (+B HTR MTR line):

Measure the voltage between test points 1 and 2.

Test condition	OFF mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	+B HTR MTR
Test point 1	Blower motor relay 5P socket No. 1
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

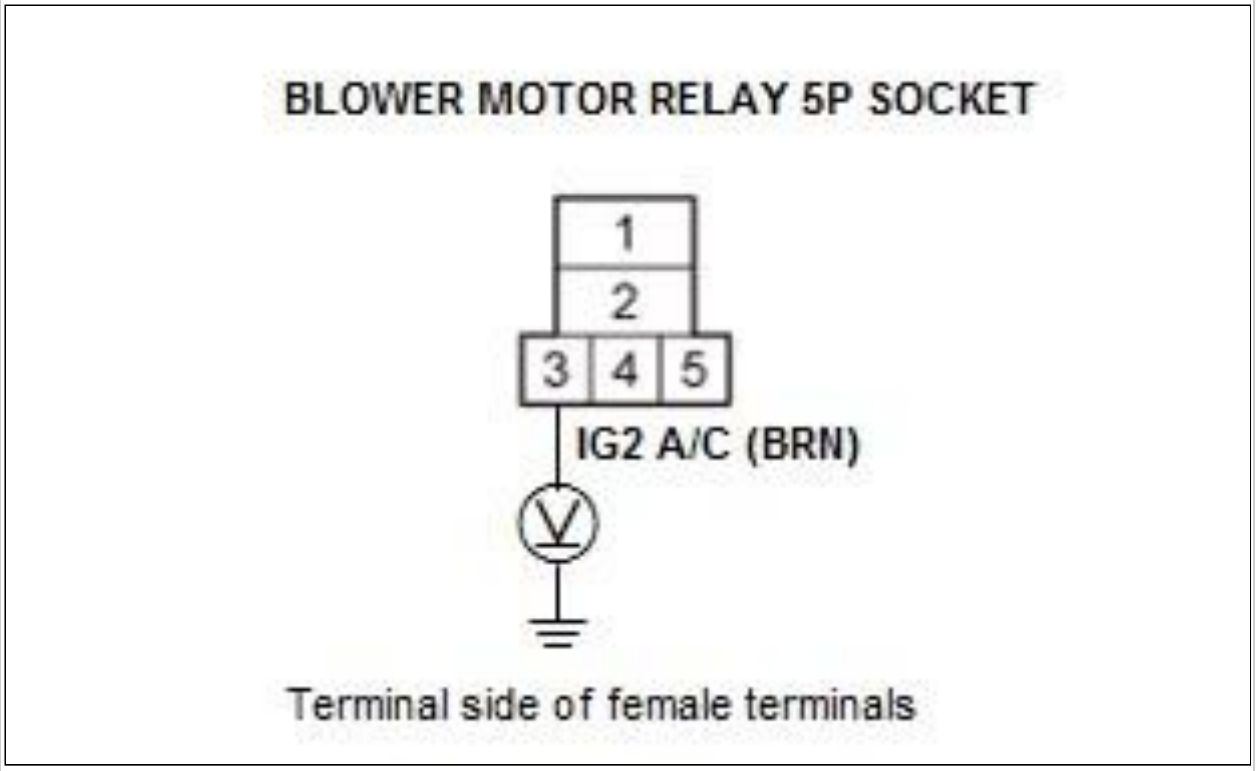
Is there battery voltage?

YES

The +B HTR MTR wire is OK. Go to step 14.
NO
Replace the under-hood fuse/relay box .

14. Open wire check (IG2 A/C line):
Press the engine start/stop button to select the ON mode. -
2. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	IG2 A/C
Test point 1	Blower motor relay 5P socket No. 3 (BRN)
Test point 2	Body ground



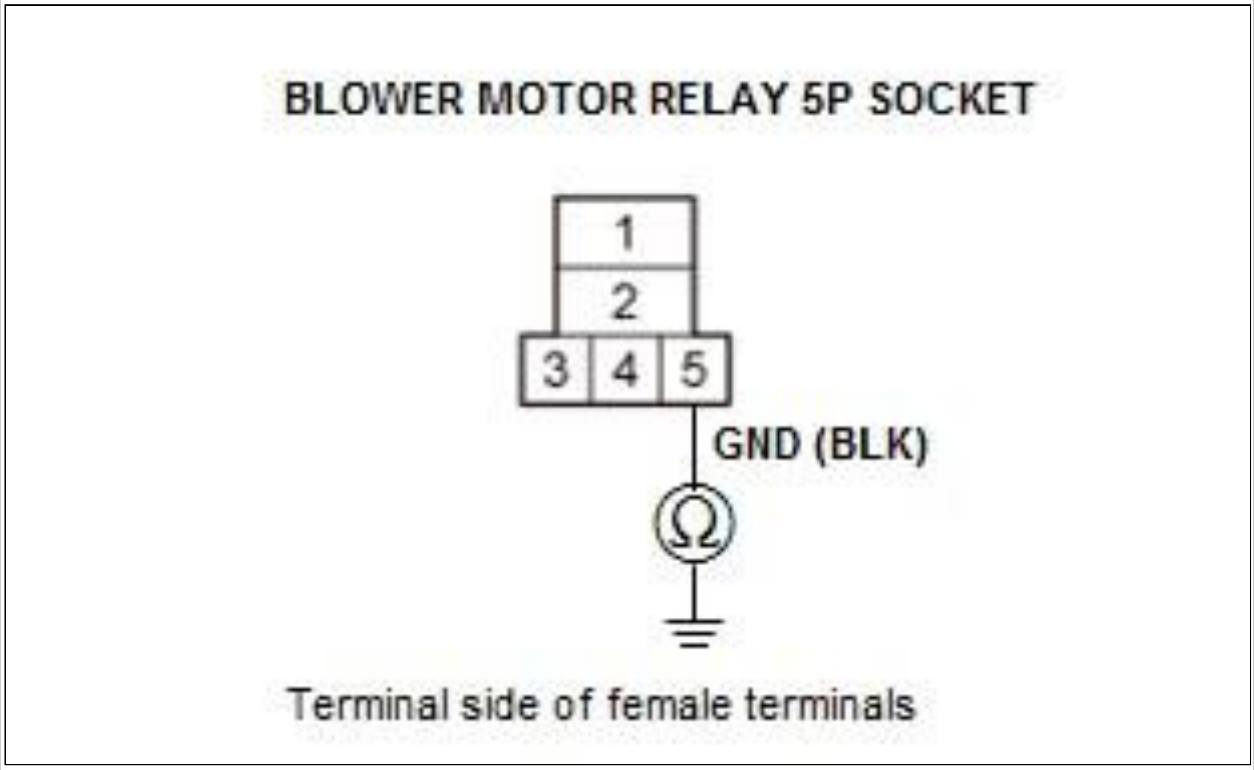
Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?
YES
The IG2 A/C wire is OK. Go to step 15.
NO
Repair an open in the IG2 A/C wire.

15. Open wire check (GND line):

Press the engine start/stop button to select the OFF mode. -
2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Blower motor 2P connector: disconnected
	Blower motor relay: disconnected
Test circuit	GND
Test point 1	Blower motor relay 5P socket No. 5 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?
YES
Repair an open in the BLOWER MTR/BLOWER RLY OUT wire.
NO
Check for an open in the GND wire. If the wire is OK, check for poor ground at G302.

DTC TROUBLESHOOTING > DTC B2983 (57): A PROBLEM IN THE RECIRCULATION CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2013-15)

DTC Description	DTC
B2983 A problem in the recirculation control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B2983 A problem in the recirculation control motor circuit, linkage, door, or motor	

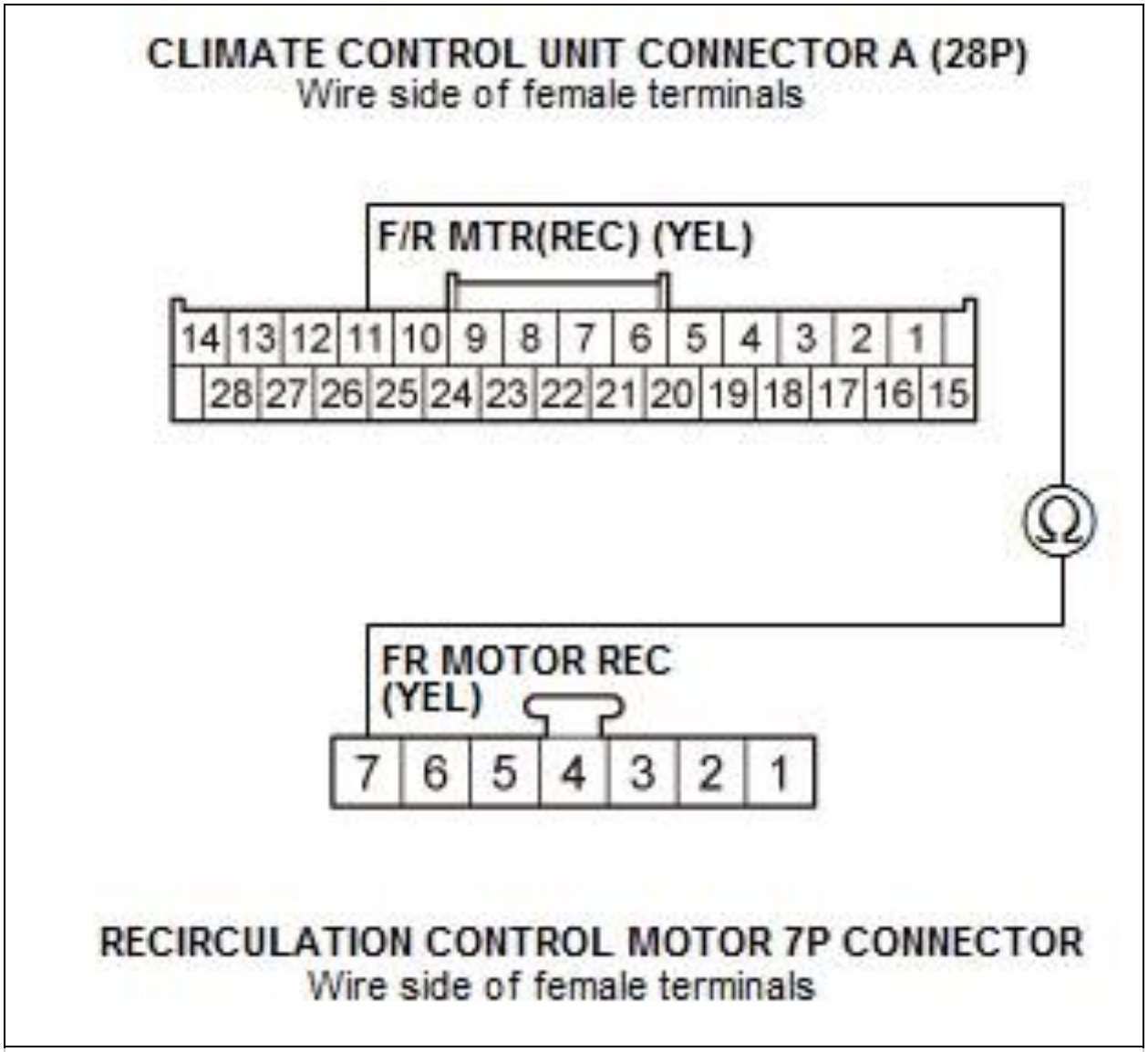
   Is DTC B2983 or 57 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

2. Open wire check (F/R MTR(REC)/FR MOTOR REC line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Recirculation control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(REC)/FR MOTOR REC
Test point 1	Climate control unit connector A (28P) No. 11 (YEL)
Test point 2	Recirculation control motor 7P connector No. 7 (YEL)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The F/R MTR(REC)/FR MOTOR REC wire is not open. Go to step 3.

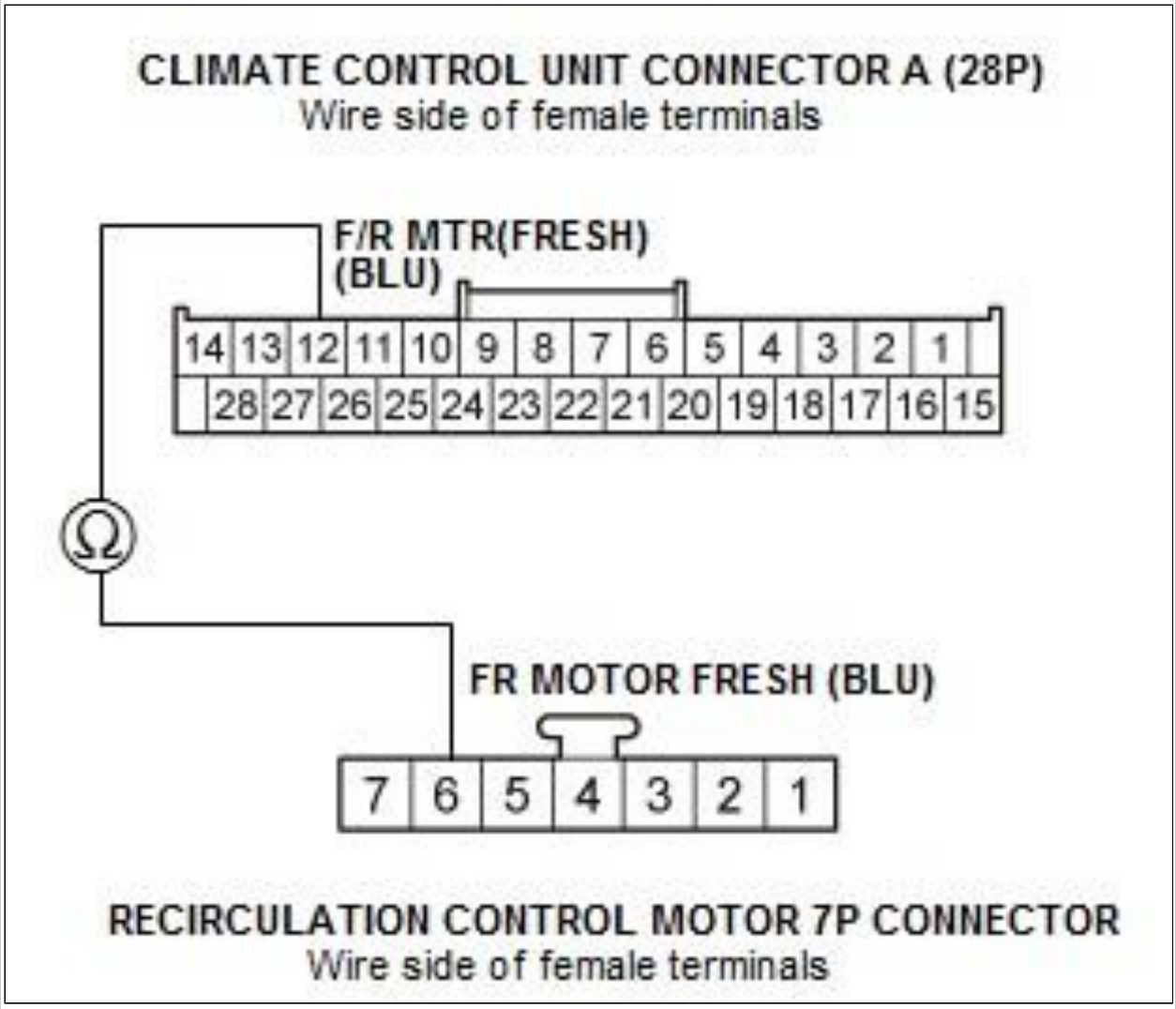
NO

Repair an open in the wire between the climate control unit and the recirculation control motor.

3. Open wire check (F/R MTR(FRESH)/FR MOTOR FRESH line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(FRESH)/FR MOTOR FRESH

Test point 1	Climate control unit connector A (28P) No. 12 (BLU)
Test point 2	Recirculation control motor 7P connector No. 6 (BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The F/R MTR(FRESH)/FR MOTOR FRESH wire is not open. Go to step 4.

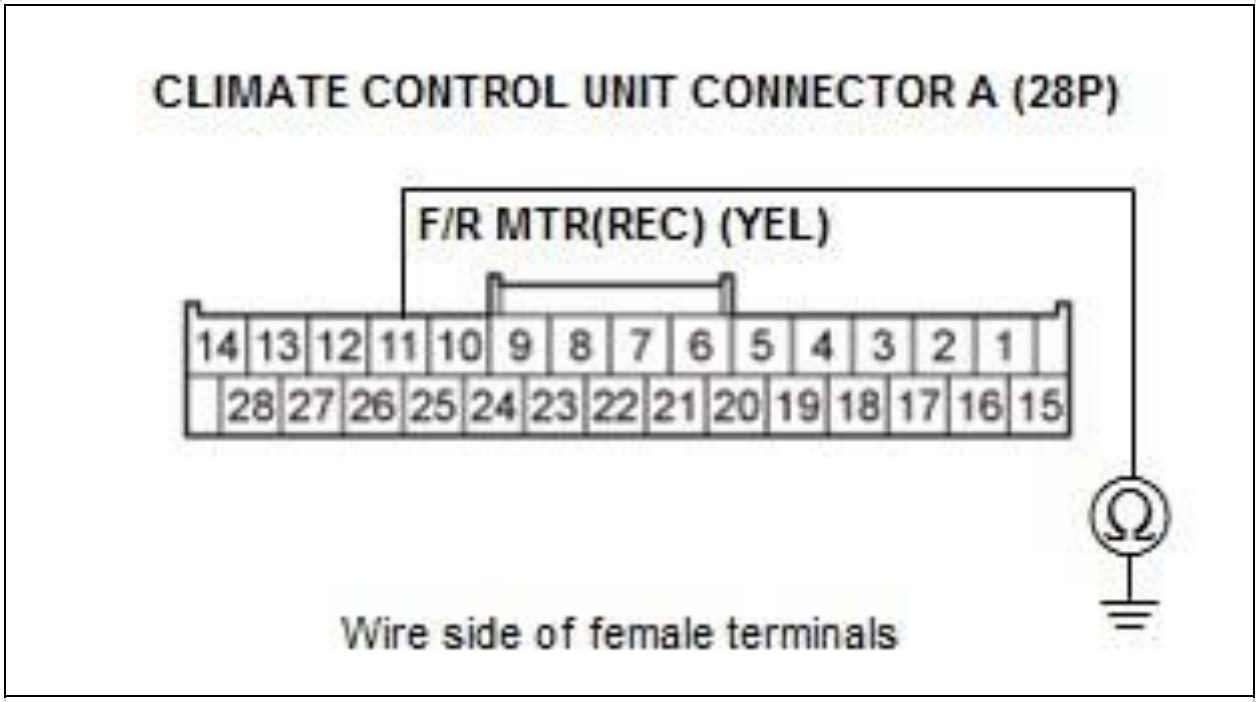
NO

Repair an open in the wire between the climate control unit and the recirculation control motor.

4. Shorted wire check (F/R MTR(REC)/FR MOTOR REC line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected

Test circuit	F/R MTR(REC)
Test point 1	Climate control unit connector A (28P) No. 11 (YEL)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

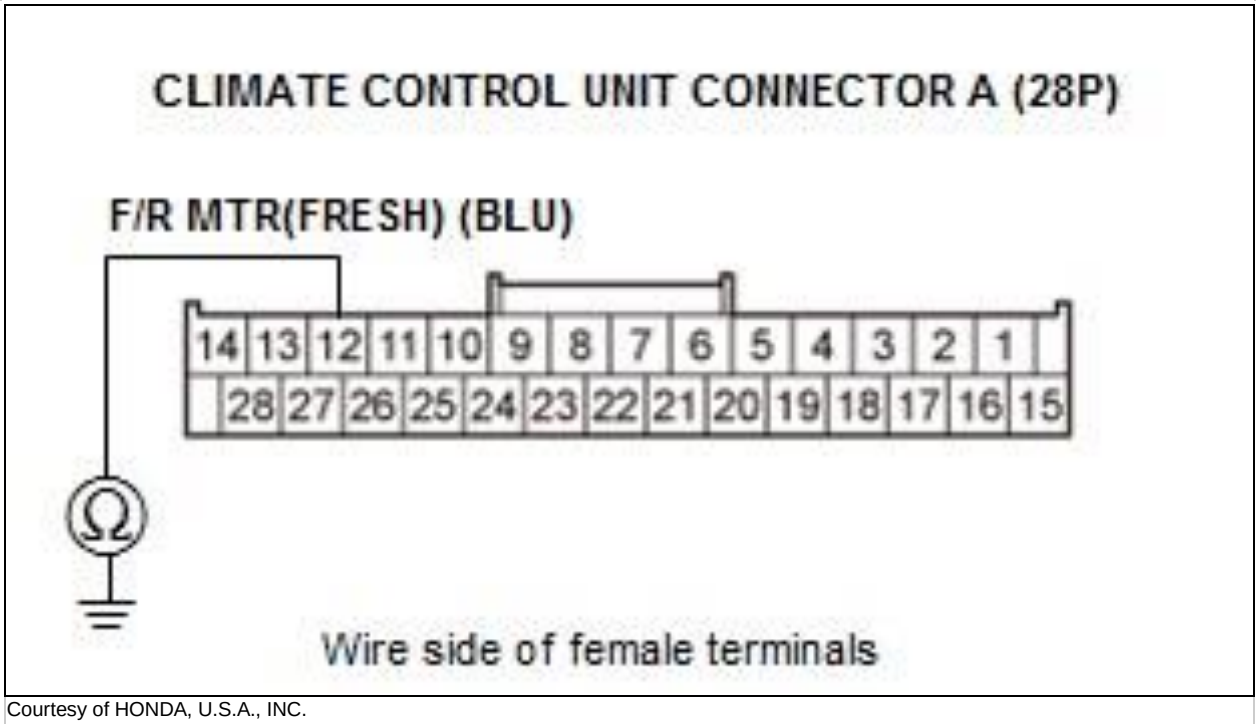
Repair a short to body ground in the wire between the climate control unit and the recirculation control motor.

NO

The F/R MTR(REC)/FR MOTOR REC wire is OK. Go to step 5.

5. Shorted wire check (F/R MTR(FRESH)/FR MOTOR FRESH line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(FRESH)
Test point 1	Climate control unit connector A (28P) No. 12 (BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to body ground in the wire between the climate control unit and the recirculation control motor.

NO

The F/R MTR(FRESH)/FR MOTOR FRESH wire is OK. Go to step 6.

6. Recirculation control motor check:
   Test the recirculation control motor .
   Is the recirculation control motor OK?
   YES
   Replace the climate control unit .
   NO
   Replace the recirculation control motor , or repair the recirculation control linkage or door.

DTC TROUBLESHOOTING > DTC B2983 (C-A6), B2983 (57): A PROBLEM IN THE RECIRCULATION CONTROL MOTOR CIRCUIT, LINKAGE, DOOR, OR MOTOR (2016-18)

DTC Description	DTC
B2983 A problem in the recirculation control motor circuit, linkage, door, or motor	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B2983 A problem in the recirculation control motor circuit, linkage, door, or motor	

   Is DTC B2983, Error on the DTC screen C-A6 (with navigation), or 57 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

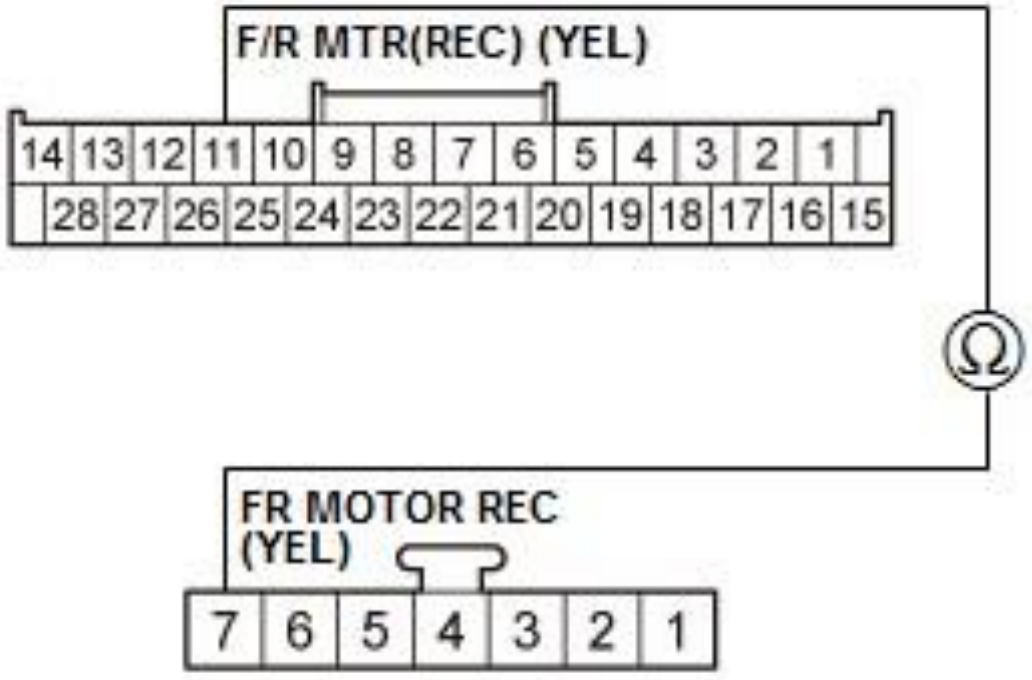
2. Open wire check (F/R MTR(REC)/FR MOTOR REC line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Recirculation control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(REC)/FR MOTOR REC
Test point 1	Climate control unit connector A (28P) No. 11 (YEL)
Test point 2	Recirculation control motor 7P connector No. 7 (YEL)

CLIMATE CONTROL UNIT CONNECTOR A (28P)
Wire side of female terminals



RECIRCULATION CONTROL MOTOR 7P CONNECTOR
Wire side of female terminals

Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

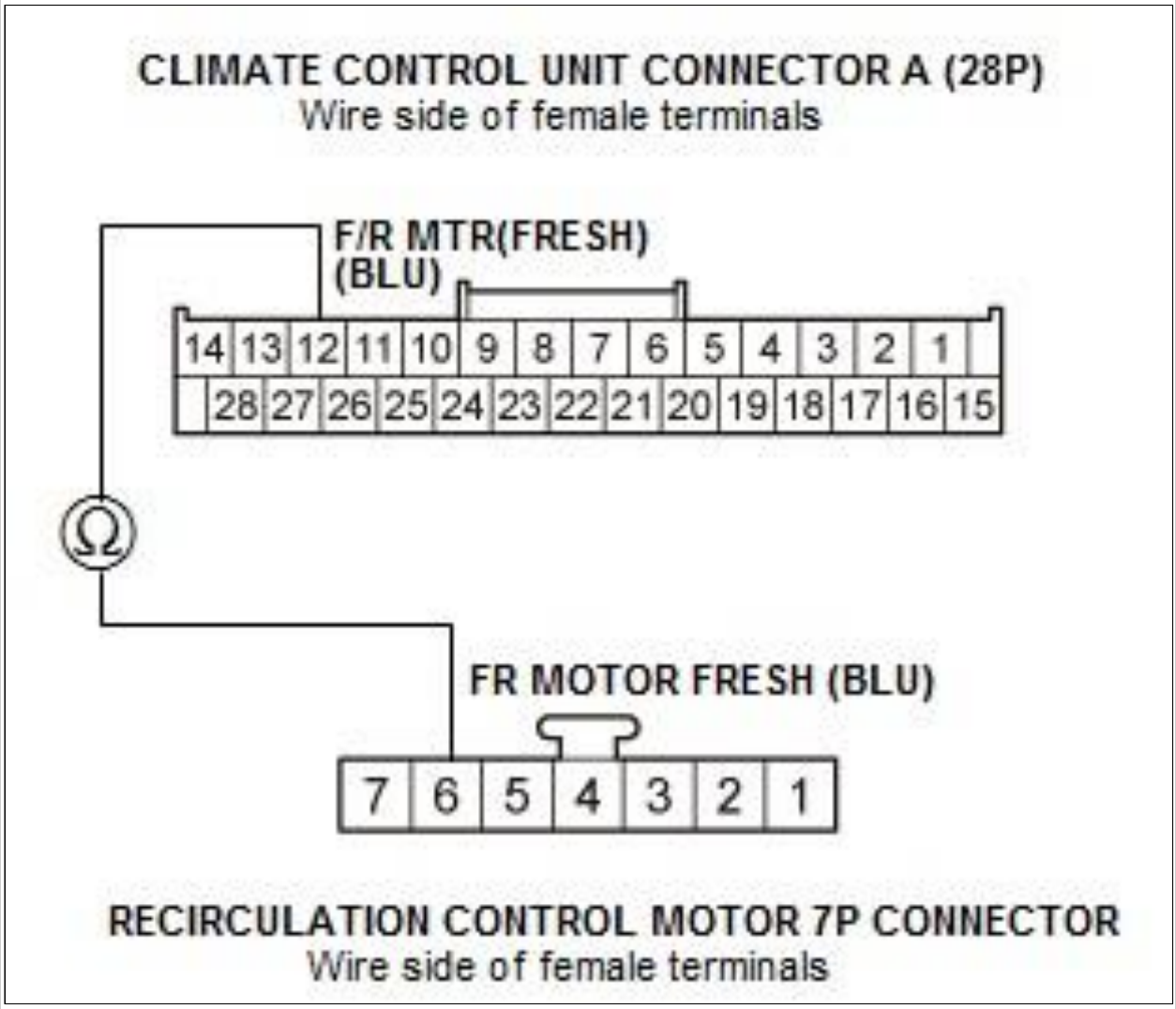
The F/R MTR(REC)/FR MOTOR REC wire is not open. Go to step 3.

NO

Repair an open in the F/R MTR(REC)/FR MOTOR REC wire.

3. Open wire check (F/R MTR(FRESH)/FR MOTOR FRESH line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(FRESH)/FR MOTOR FRESH
Test point 1	Climate control unit connector A (28P) No. 12 (BLU)
Test point 2	Recirculation control motor 7P connector No. 6 (BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The F/R MTR(FRESH)/FR MOTOR FRESH wire is not open. Go to step 4.

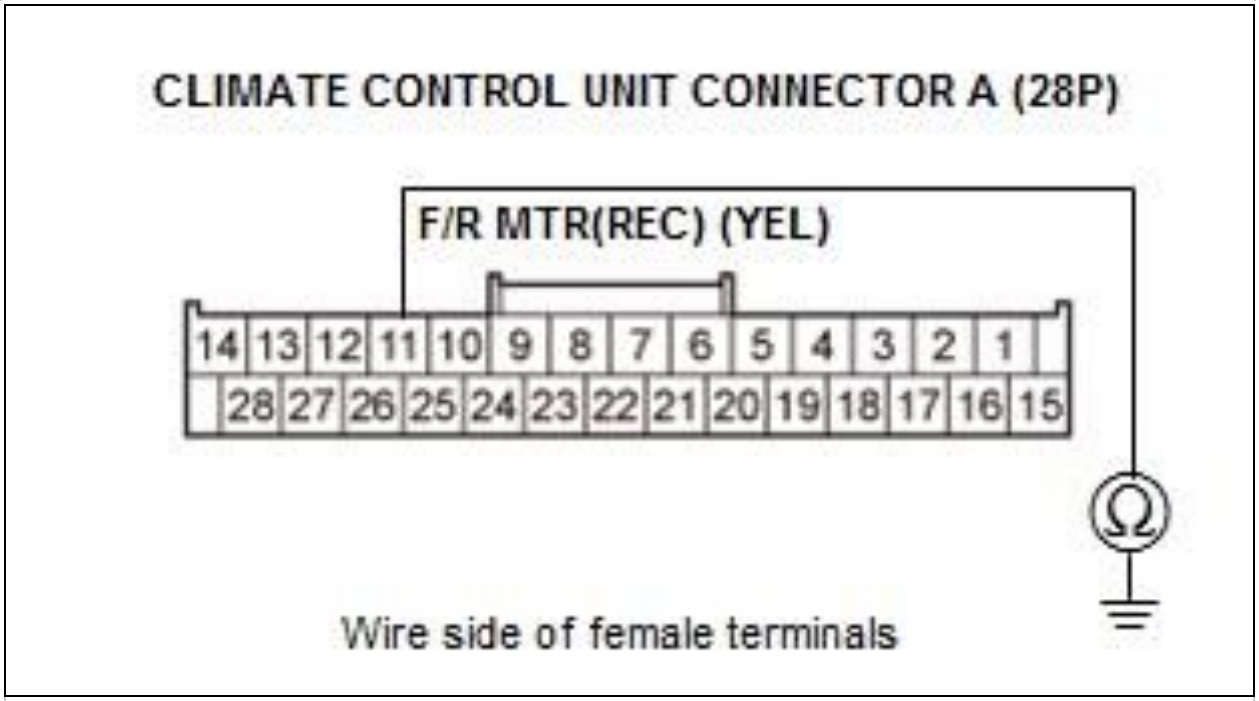
NO

Repair an open in the F/R MTR(REC)/FR MOTOR REC wire.

4. Shorted wire check (F/R MTR(REC)/FR MOTOR REC line): Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(REC)
Test point 1	Climate control unit connector A (28P) No. 11 (YEL)

Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

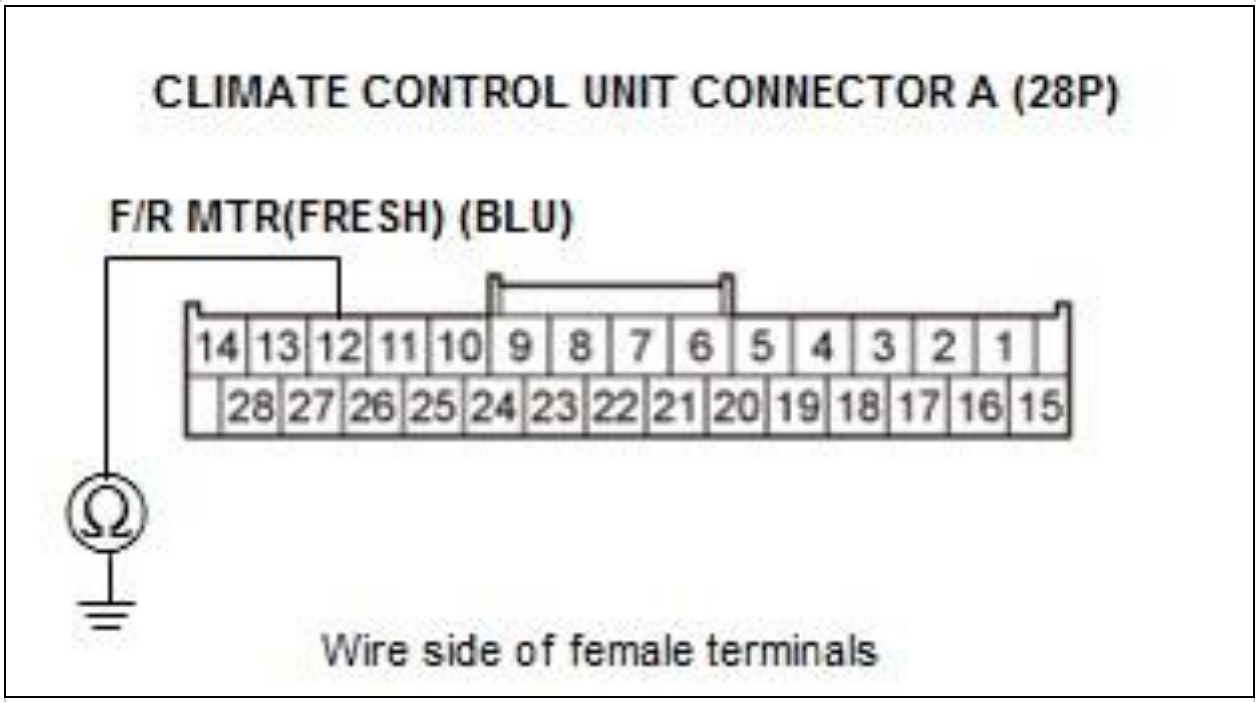
Repair a short to ground in the F/R MTR(REC)/FR MOTOR REC wire.

NO

The F/R MTR(REC)/FR MOTOR REC wire is OK. Go to step 5.

5. Shorted wire check (F/R MTR(FRESH)/FR MOTOR FRESH line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	F/R MTR(FRESH)
Test point 1	Climate control unit connector A (28P) No. 12 (BLU)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short to ground in the F/R MTR(FRESH)/FR MOTOR FRESH wire.

NO

The F/R MTR(FRESH)/FR MOTOR FRESH wire is OK. Go to step 6.

6. Recirculation control motor check:

   Test the recirculation control motor .

   Is the recirculation control motor OK?

   YES

   Replace the climate control unit .

   NO

   Replace the recirculation control motor , or repair the recirculation control linkage or door.

DTC TROUBLESHOOTING > DTC B2986 (55): AN OPEN IN THE RECIRCULATION CONTROL MOTOR CIRCUIT (2013-15)

DTC Description	DTC
B2986 An open in the recirculation control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTC with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
B2986 An open in the recirculation control motor circuit	

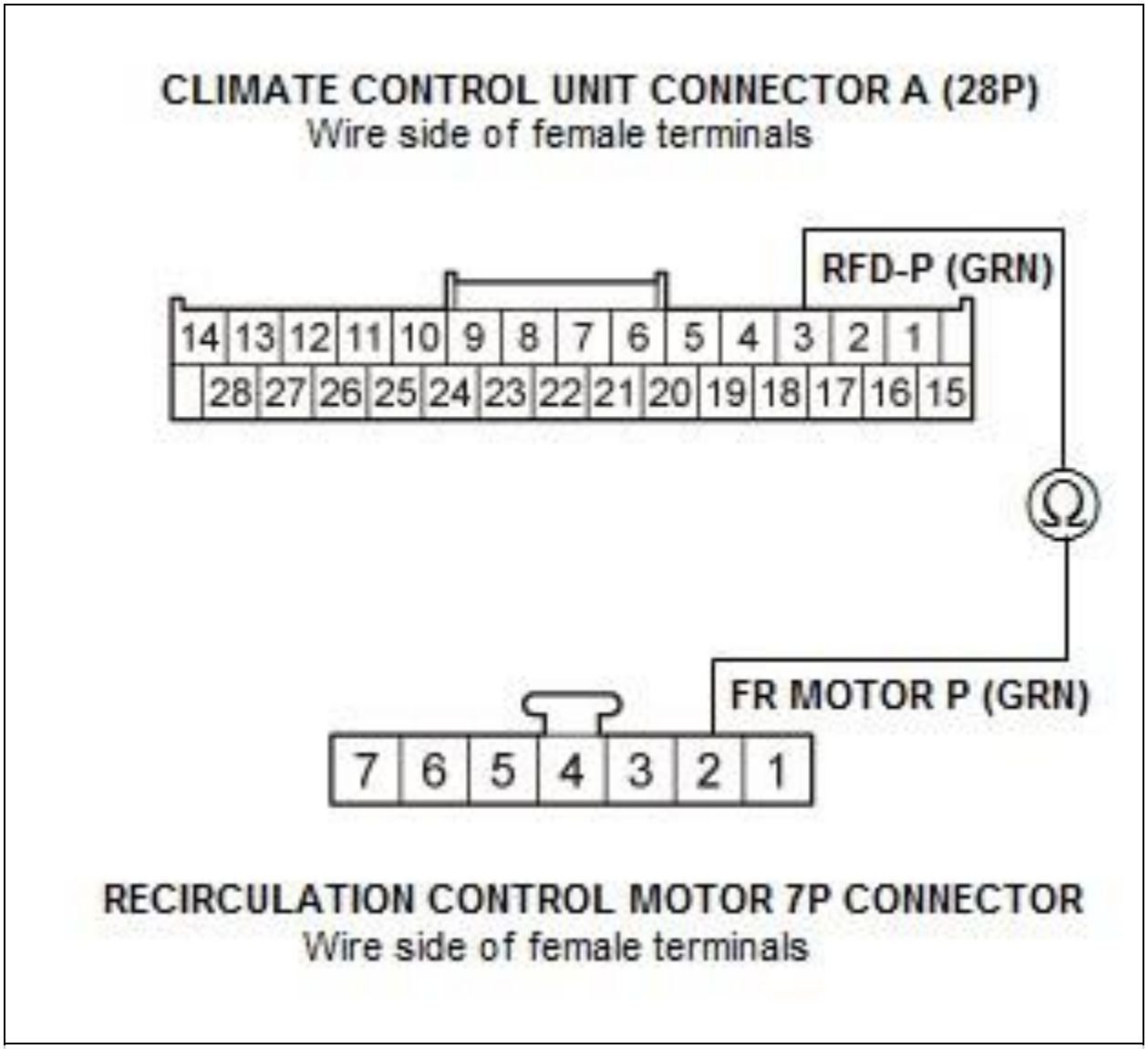
   Is DTC B2986 or 55 indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

2. Open wire check (RFD-P/FR MOTOR P line):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connectors.

Climate control unit connector A (28P)
Recirculation control motor 7P connector

   - 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	RFD-P/FR MOTOR P
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Recirculation control motor 7P connector No. 2 (GRN)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The RFD-P/FR MOTOR P wire is not open. Go to step 3.

NO

Repair an open in the wire between the climate control unit and the recirculation control motor.

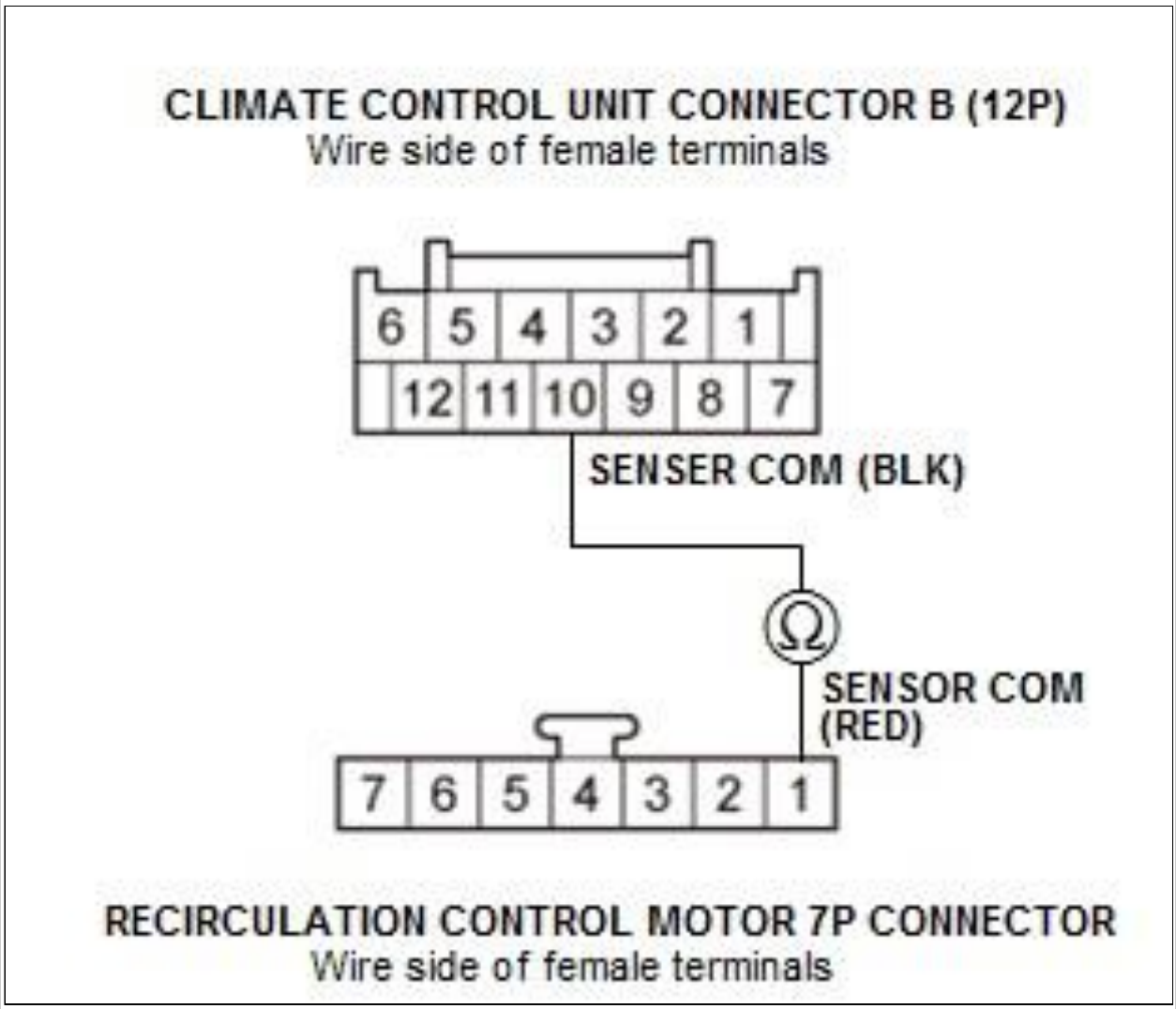
3. Open wire check (SENSOR COM/SENSOR COM line): Disconnect the following connector.

Climate control unit connector B (12P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected

	Recirculation control motor 7P connector: disconnected
Test circuit	SENSOR COM/SENSOR COM
Test point 1	Climate control unit connector B (12P) No. 10 (BLK)
Test point 2	Recirculation control motor 7P connector No. 1 (RED)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The SENSOR COM/SENSOR COM wire is not open. Go to step 4.

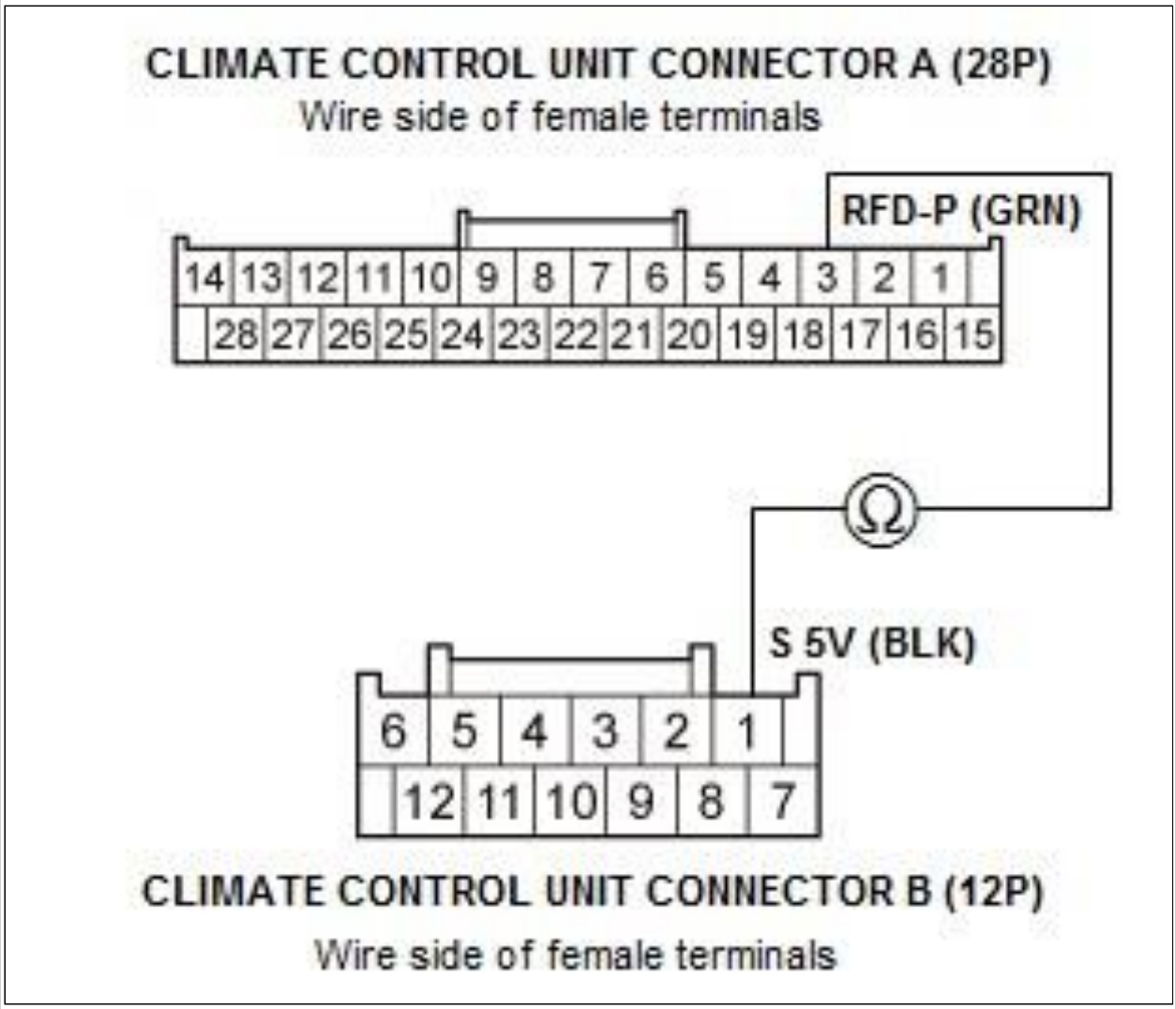
NO

Repair an open in the wire between the climate control unit and the recirculation control motor.

4. Shorted wire check (S 5V/SENSOR 5V line to RFD-P/FR MOTOR P line):
   Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected

	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	S 5V, RFD-P
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Climate control unit connector B (12P) No. 1 (BLK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair a short in the wires between the climate control unit and the recirculation control motor.

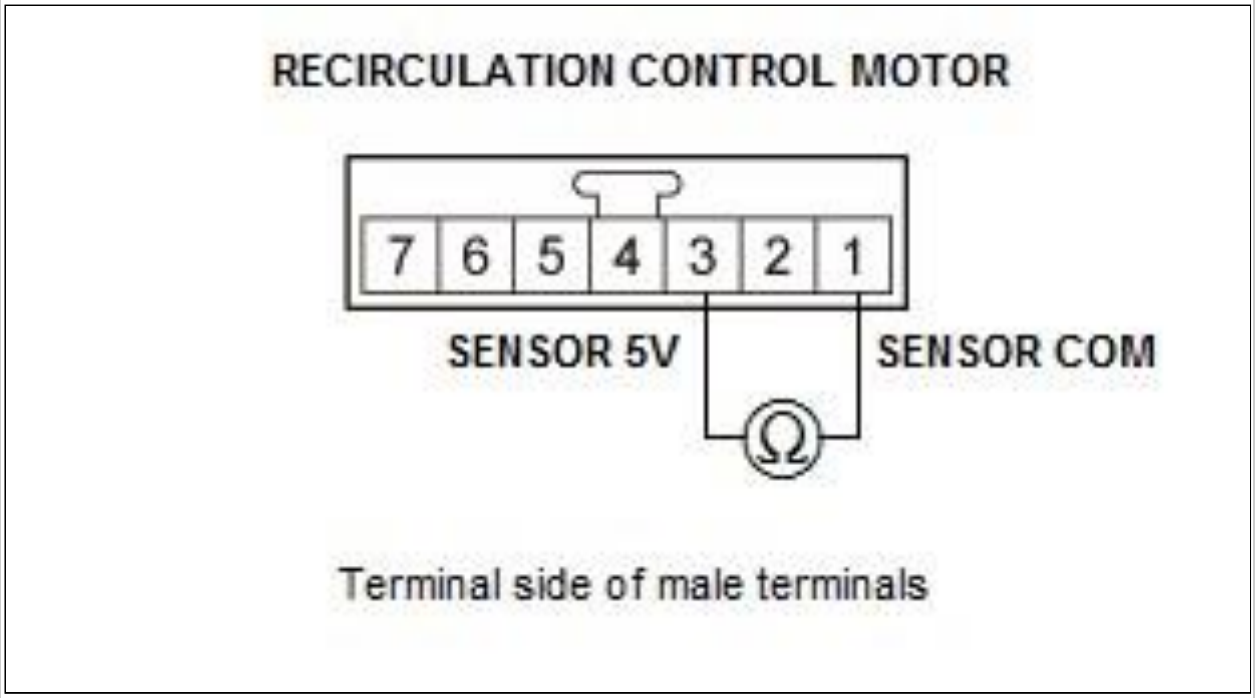
NO

The S 5V/SENSOR 5V wire to RFD-P/FR MOTOR P wire are not shorted. Go to step 5.

5. Recirculation control motor internal resistance check (SENSOR 5V and SENSOR COM):

Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (32P): disconnected
	Climate control unit connector B (12P): disconnected
	Recirculation control motor 7P connector: disconnected
Test circuit	SENSOR 5V, SENSOR COM
Test point 1	Recirculation control motor No. 1
Test point 2	Recirculation control motor No. 3



Courtesy of HONDA, U.S.A., INC.

Is the resistance 6 kΩ ± 1.8 kΩ?

YES

Go to step 6.

NO

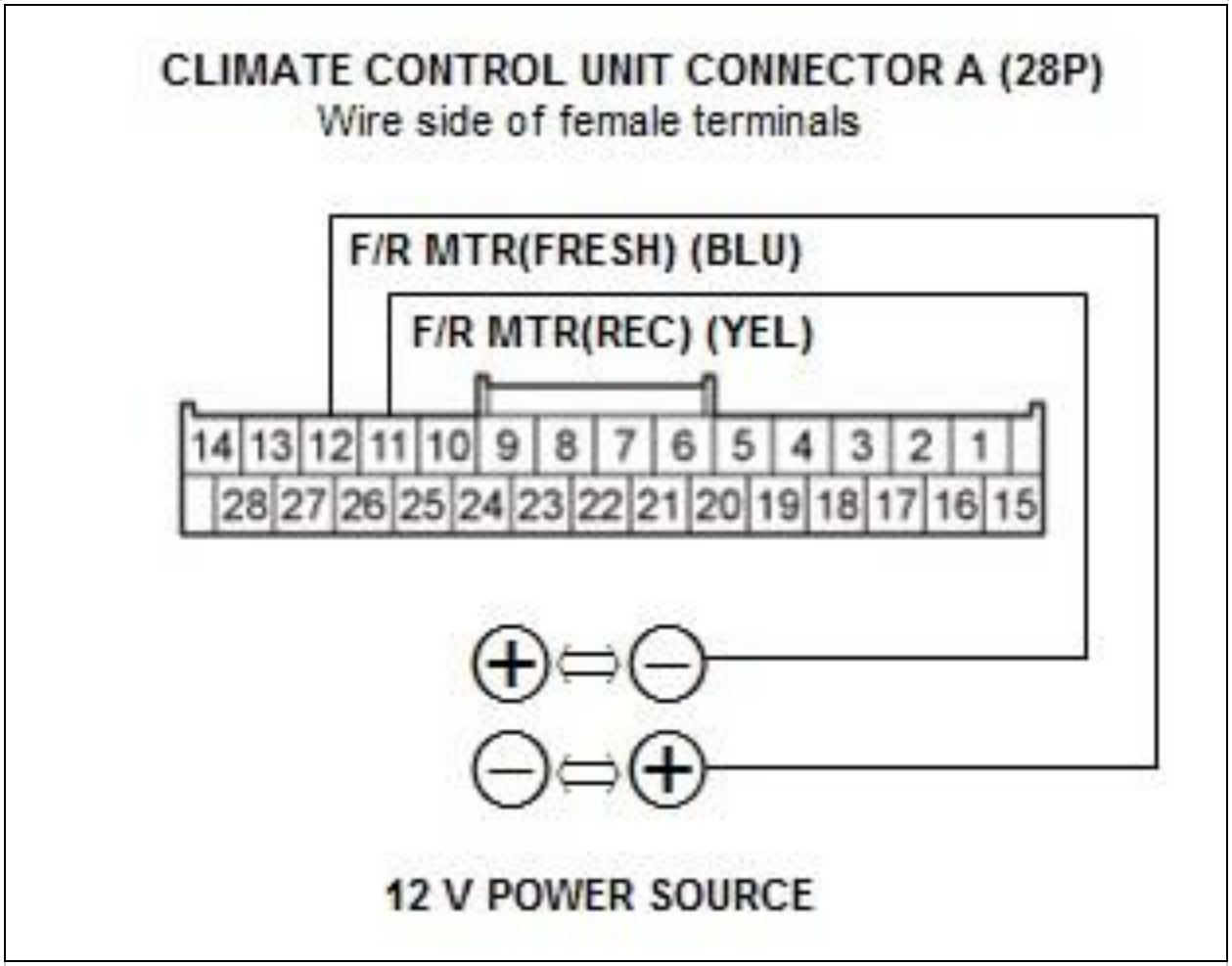
Replace the recirculation control motor .

6. Recirculation control motor internal resistance check (RFD-P and S 5V):
   Reconnect the recirculation control motor 7P connector.
   - 2. Connect the battery power and ground to terminals A and B, then reverse the connections.

Terminal A	Climate control unit connector A (28P) No. 11 (YEL)

Terminal B	Climate control unit connector A (28P) No. 12 (BLU)

NOTE: Incorrectly applying power and ground to the motor will damage it. Follow the instructions carefully. When the motor stops running, disconnect battery power immediately.



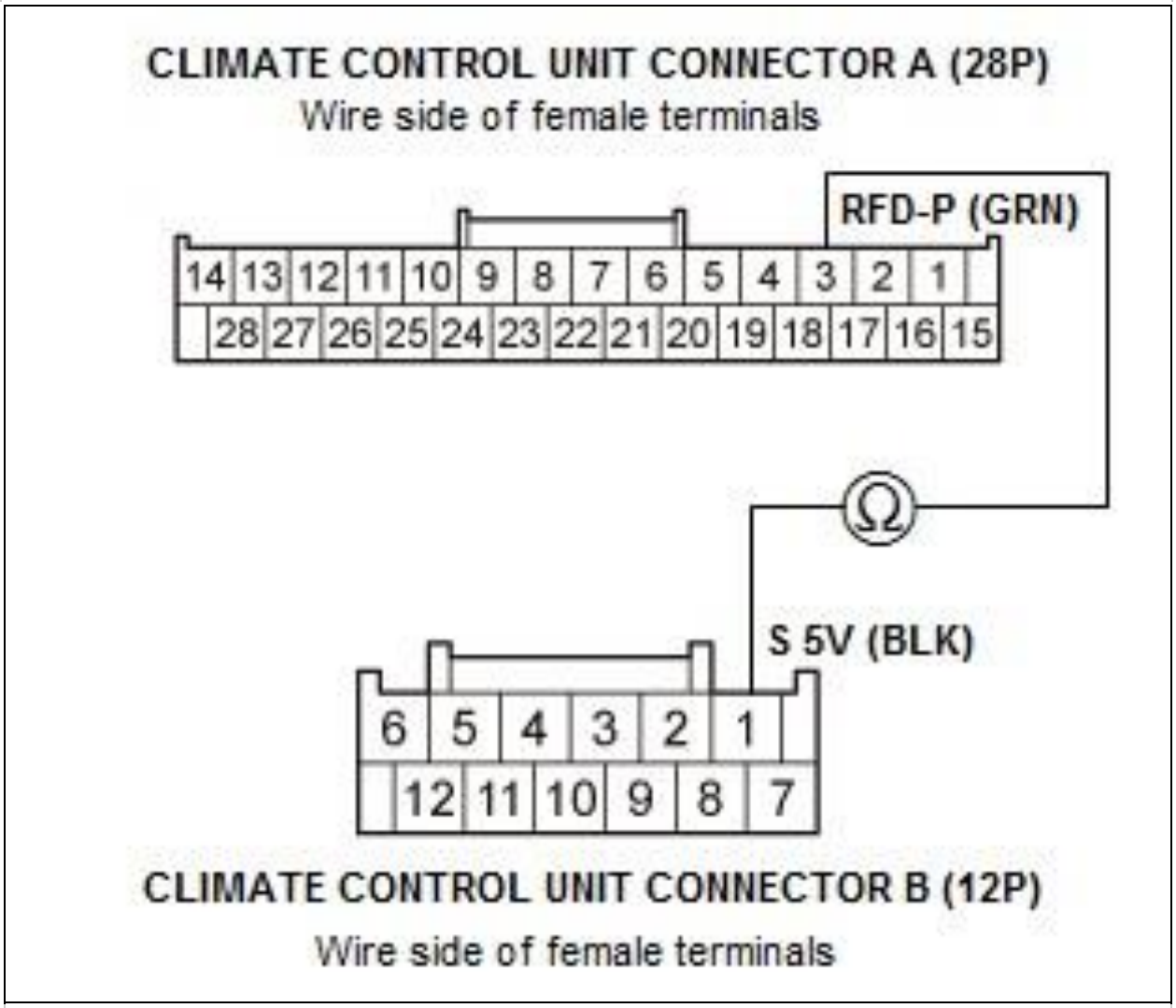
Courtesy of HONDA, U.S.A., INC.

- 3. Measure the resistance between test points 1 and 2.

Test condition	OFF mode
	Climate control unit connector A (28P): disconnected
	Climate control unit connector B (12P): disconnected
Test circuit	RFD-P, S 5V
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)

Test point 2	Climate control unit connector B (12P) No. 1 (BLK)

NOTE: Continuity between S 5V and RFD-P may disappear when the motor is turned to the stopper. Usually the climate control unit does not turn the motor to the stopper.



Courtesy of HONDA, U.S.A., INC.

Does resistance change between about 0-6 kΩ±1.8 kΩ?

YES

Replace the climate control unit .

NO

Replace the recirculation control motor .

DTC TROUBLESHOOTING > DTC B2986 (C-A4), B2986 (55): AN OPEN IN THE RECIRCULATION CONTROL MOTOR CIRCUIT (2016-18)

DTC Description	DTC
B2986 An open in the recirculation control motor circuit	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
B2986 An open in the recirculation control motor circuit	

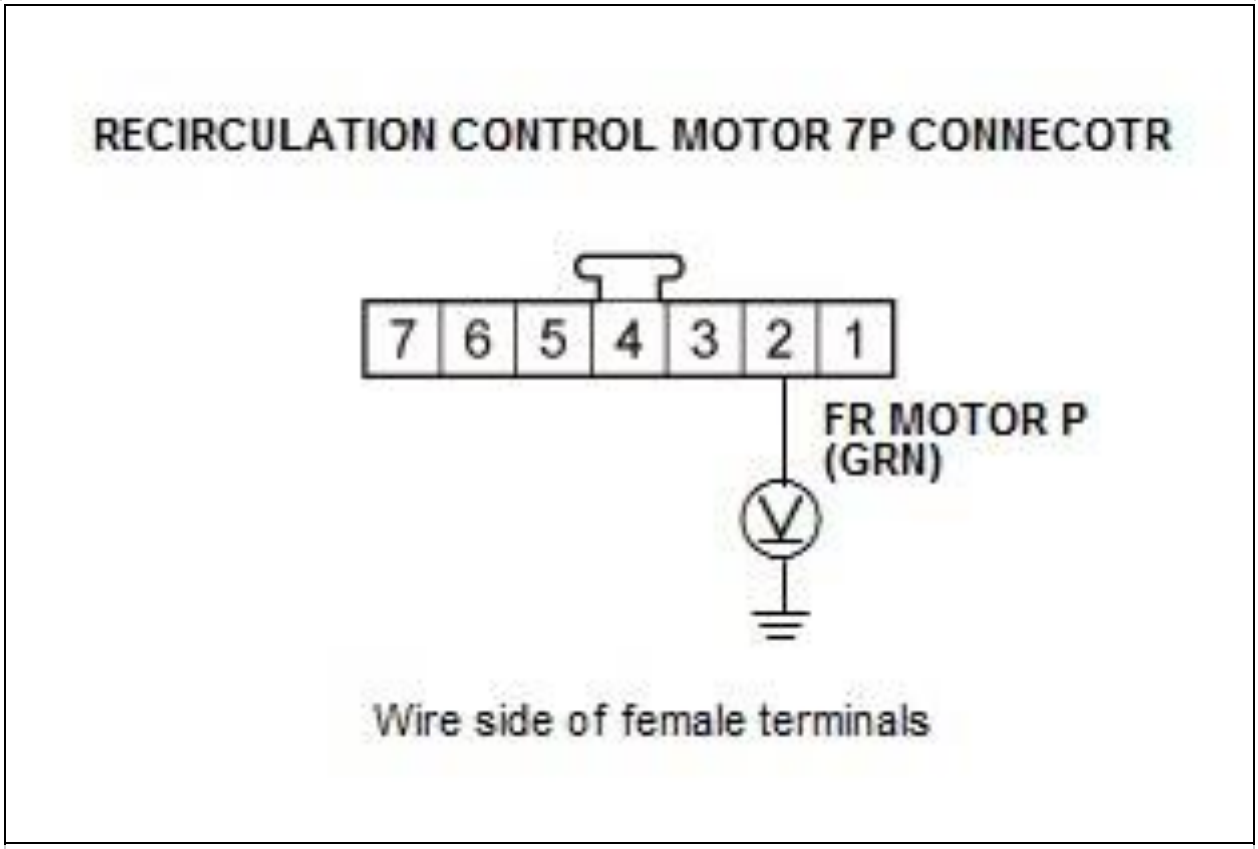
   Is DTC B2986, Error on the DTC screen C-A4 (with navigation), or 55 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure. Check for loose wires or poor connections on the recirculation control motor circuit.

2. Determine possible failure area (RFD-P/FR MOTOR P line, others):
   Press the engine start/stop button to select the OFF mode. -
   2. Disconnect the following connector.

Recirculation control motor 7P connector

   - 3. Press the engine start/stop button to select the ON mode. -
   4. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	FR MOTOR P
Test point 1	Recirculation control motor 7P connector No. 2 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

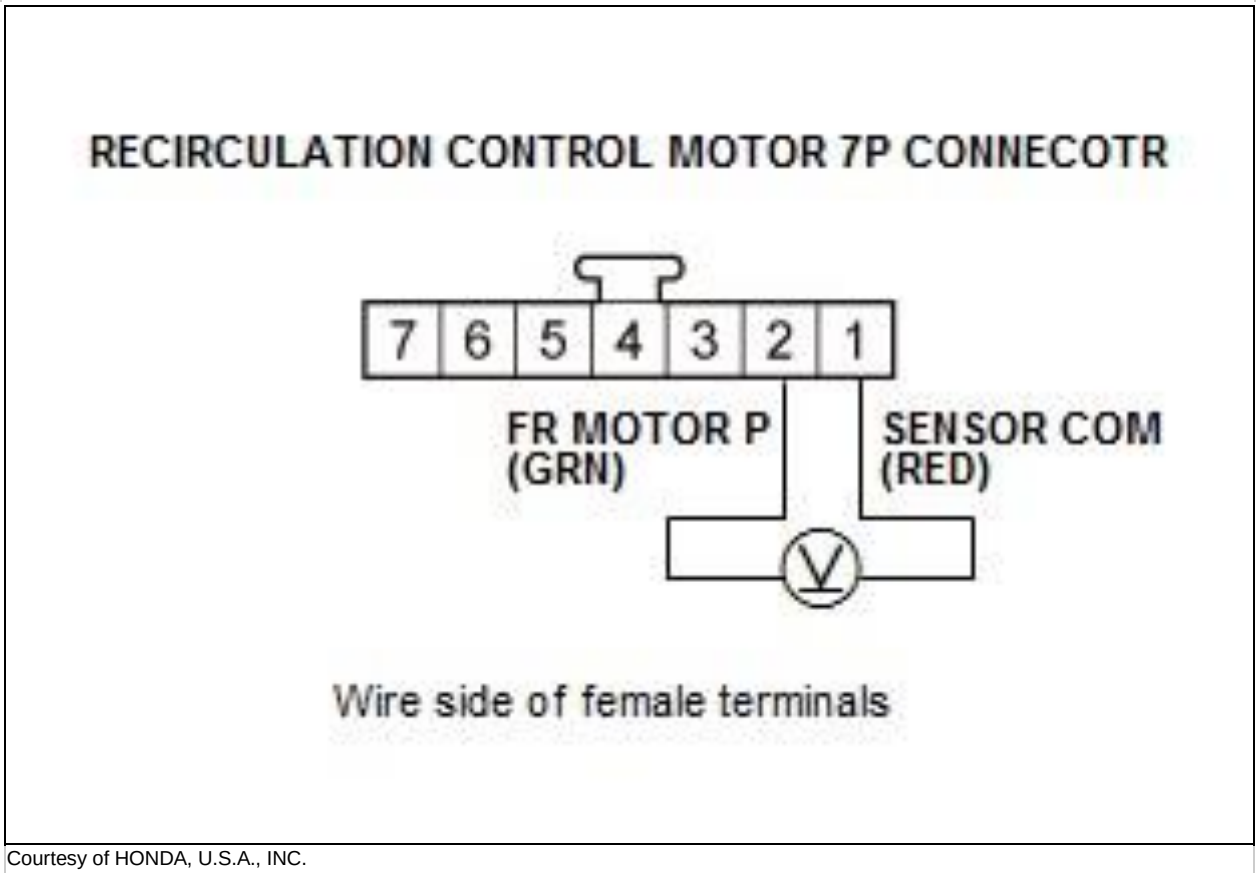
The RFD-P/FR MOTOR P wire is OK. Go to step 3.

NO

Go to step 4.

3. Open wire check (SENSOR COM line):
Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	SENSOR COM, FR MOTOR P
Test point 1	Recirculation control motor 7P connector No. 1 (RED)
Test point 2	Recirculation control motor 7P connector No. 2 (GRN)



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

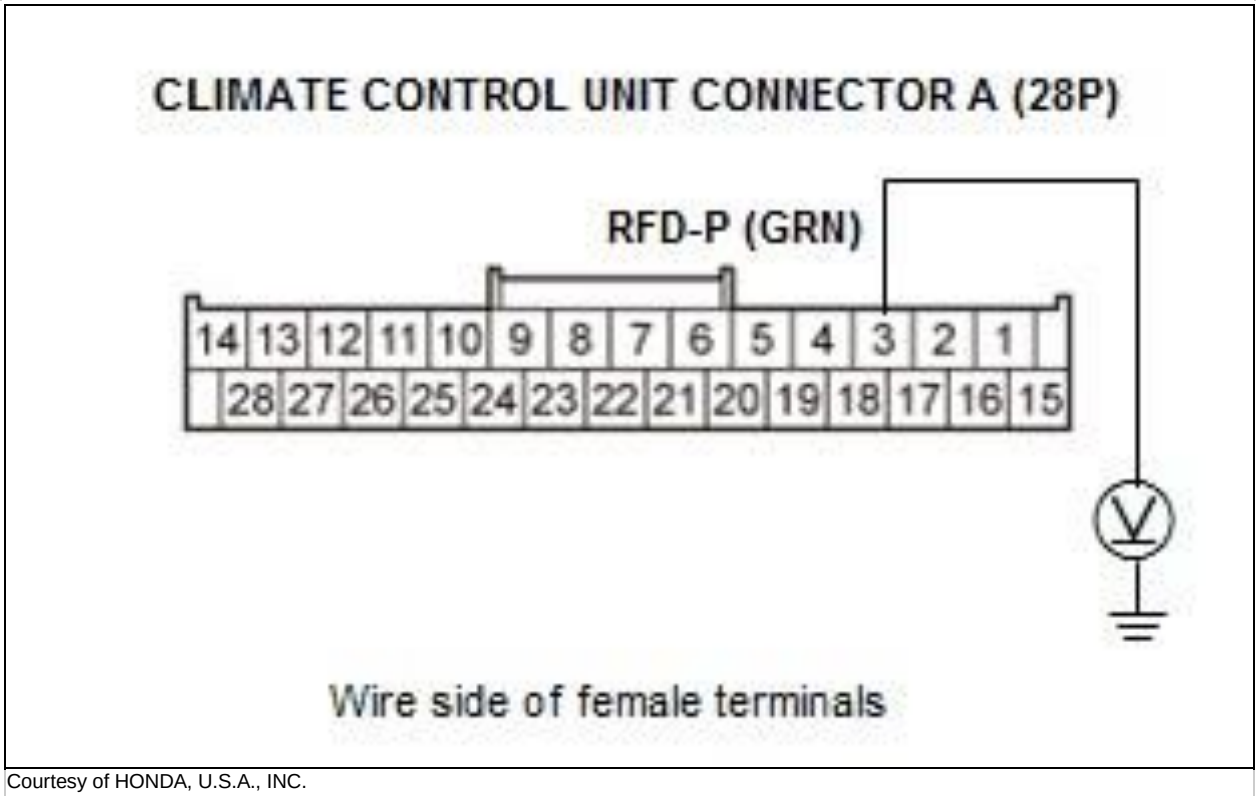
Replace the recirculation control motor .

NO

Repair an open in the SENSOR COM wire.

4. Open wire check (RFD-P/FR MOTOR P line):
   Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Recirculation control motor 7P connector: disconnected
Test circuit	RFD-P
Test point 1	Climate control unit connector A (28P) No. 3 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there about 5 V?

YES

Repair an open in the RFD-P/FR MOTOR P wire.

NO

Replace the climate control unit .

DTC TROUBLESHOOTING > DTC U1280 (80): COMMUNICATION BUS LINE ERROR (BUS-OFF) (CLIMATE CONTROL UNIT) (2013-15)

DTC Description	DTC
U1280 Communication bus line error (BUS-OFF)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Wait for at least 6 seconds.- 5. Check for DTCs.

DTC Description	DTC
U1280 Communication bus line error (BUS-OFF)	

   Is DTC U1280 or 80 indicated?
   YES
   Go to MICU DTC U1280 troubleshooting .
   NO
   Intermittent failure, the system is OK at this time.

DTC TROUBLESHOOTING > DTC U1280 (D-A1), U1280 (80): COMMUNICATION BUS LINE ERROR (BUS-OFF) (CLIMATE CONTROL UNIT) (2016-18)

DTC Description	DTC
U1280 Communication bus line error (BUS-OFF)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Wait for at least 6 seconds.- 5. Check for DTCs.

DTC Description	DTC
U1280 Communication bus line error (BUS-OFF)	

   Is DTC U1280, Error on the DTC screen D-A1 (with navigation), or 80 (without navigation) indicated?

YES
Go to MICU DTC U1280 troubleshooting .
NO
Intermittent failure, the system is OK at this time.

DTC TROUBLESHOOTING > DTC U1281 (D-B2), U1281 (91): LOST COMMUNICATION WITH MICU (CLIMATE CONTROL UNIT) (2016-18)

DTC Description	DTC
U1281 Lost Communication with MICU (climate control unit)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Wait for at least 6 seconds.- 5. Check for DTCs.

DTC Description	DTC
U1281 Lost Communication with MICU (climate control unit)	

   Is DTC U1281, Error on the DTC screen D-B2 (with navigation), or 91 (without navigation) indicated?
   YES
   Go to MICU DTC U1280 troubleshooting .
   NO
   Intermittent failure, the system is OK at this time.

DTC TROUBLESHOOTING > DTC U128D (81), U128D (83): LOST COMMUNICATION WITH GAUGE CONTROL MODULE (CLIMATE CONTROL UNIT) (2013-15)

DTC U128D : Lost Communication with Gauge Control Module (Climate Control Unit)
DTC Indicator 81 : Climate Control Unit Lost Communication with Gauge Control Module (ECT message)
DTC Indicator 83 : Climate Control Unit Lost Communication with Gauge Control Module (VSP message)

DTC Description	DTC
U128D Lost communication with gauge control module (climate control unit)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (201315) .
   - 4. Check for DTCs.

DTC Description	DTC
U128D Lost communication with gauge control module (climate control unit)	

Is DTC U128D or 81 and/or 83 indicated?
YES
Go to step 2.
NO
Intermittent failure, the system is OK at this time. Check for loose or poor connections.

2. Determine possible failure area (gauge control module power and ground, B-CAN lines):
Select B-CAN Control Units Information from the Body Electrical System Select menu, and then select Check Connected Control Units.
- 2. Check the DETECT/NOT AVAILABLE information of the GAUGE CONTROL MODULE.Is DETECT indicated?

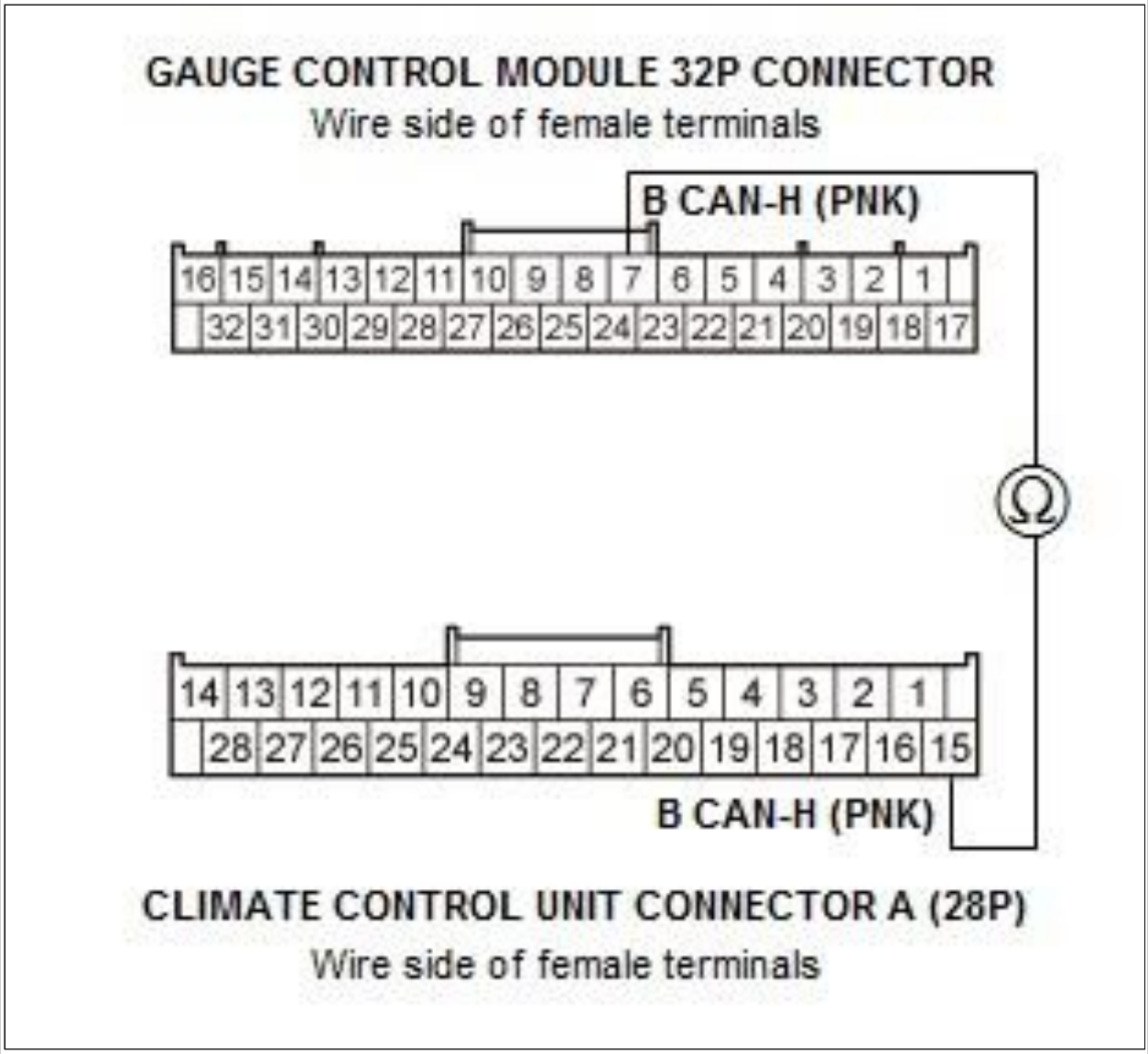
YES
Go to step 3.
NO
Go to step 4.

3. Open wire check (B CAN-H line):
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connectors.

Gauge control module 32P connector
Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-H
Test point 1	Gauge control module 32P connector No. 7 (PNK)
Test point 2	Climate control unit connector A (28P) No. 15 (PNK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

Repair an open or poor connection in the B CAN-L wire between the climate control unit and the gauge control module.

NO

Repair an open or poor connection in the B CAN-H wire between the climate control unit and the gauge control module.

4. Fuse check:

Press the engine start/stop button to select the OFF mode. -

2. Check the following fuses.

Fuse	No. A29 (10 A)
Location	Under-hood fuse/relay box

Fuse	No. B5 (7.5 A)
Location	Under-dash fuse/relay box

Are the fuses OK?

YES

Go to step 5.

NO

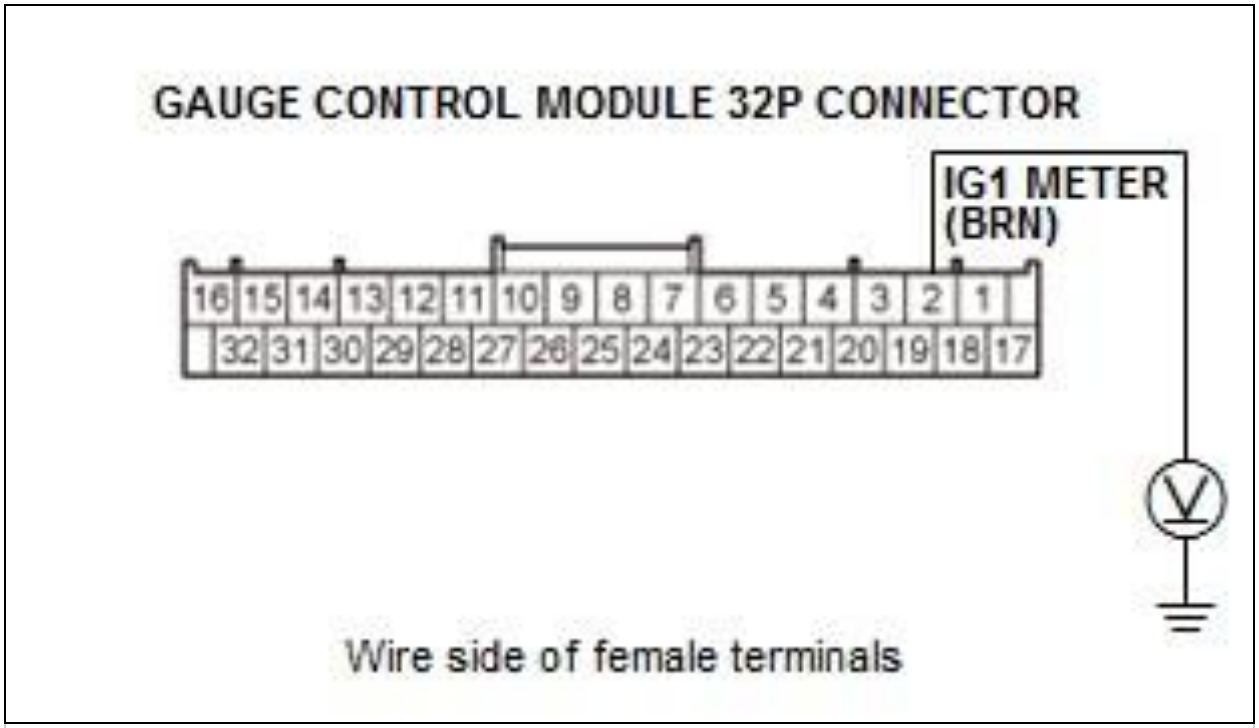
Replace the fuse, and recheck. If the fuse blow again, repair a short in the No. A29 (10 A) or No. B5 (7.5 A) fuse circuit.

5. Open wire check (IG1 METER line): Disconnect the following connector.

Gauge control module 32P connector

- 2. Press the engine start/stop button to select the ON mode.- 3. Measure the voltage between test points 1 and 2.

Test condition	ON mode
	Gauge control module 32P connector: disconnected
Test circuit	IG1 METER
Test point 1	Gauge control module 32P connector No. 2 (BRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

The IG1 METER wire is OK. Go to step 6.

NO

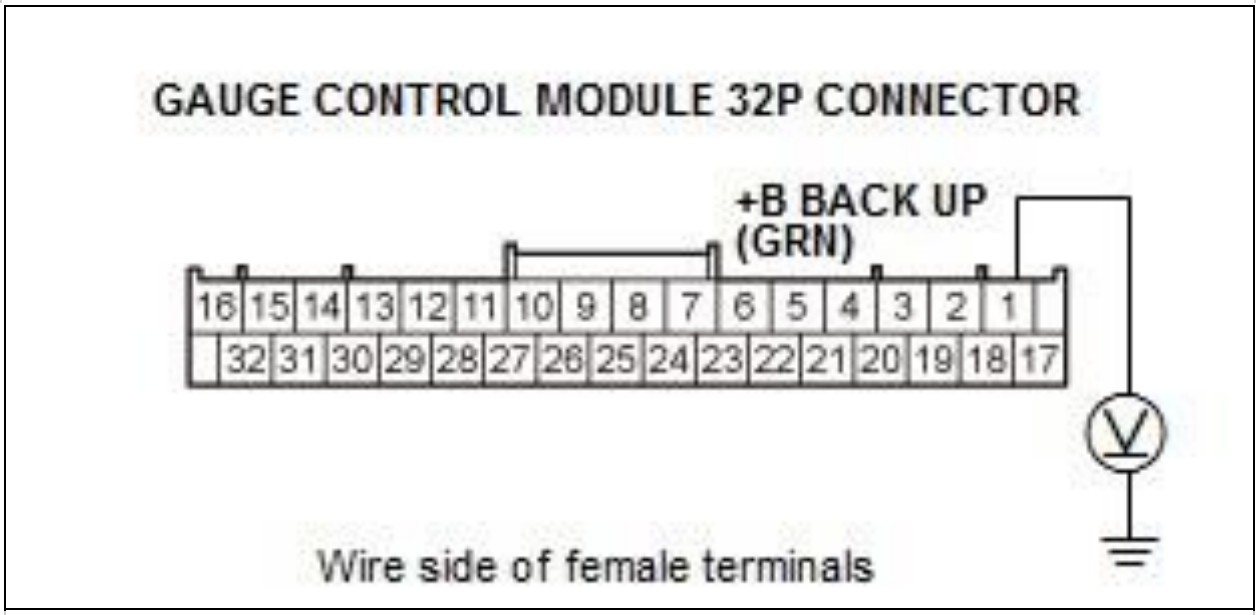
Repair an open in the IG1 METER wire.

6. Open wire check (+B BACK UP line):

Press the engine start/stop button to select the OFF mode. -

2. Measure the voltage between test points 1 and 2.

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
Test circuit	+B BACK UP
Test point 1	Gauge control module 32P connector No. 1 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

The +B BACK UP wire is OK. Go to step 7.

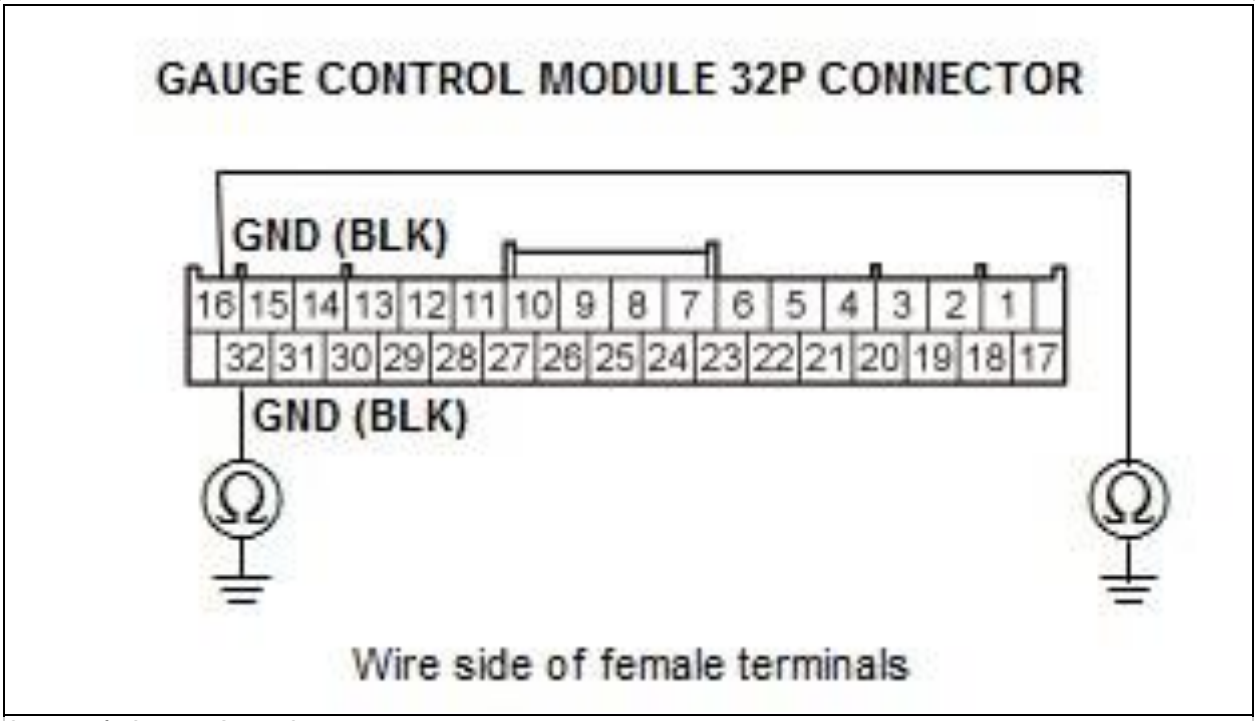
NO

Repair an open in the +B BACK UP wire.

7. Open wire check (GND lines):
   Check for continuity between test points 1 and 2 individually.

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
Test circuit	GND
Test point 1	Gauge control module 32P connector No. 16 (BLK)
Test point 2	Body ground
Test circuit	GND

Test point 1	Gauge control module 32P connector No. 32 (BLK)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The GND wires are OK. Go to step 8.

NO

Check for an open in the wire(s) between the gauge control module and body ground. If the wire(s) is OK, check for poor ground at G502.

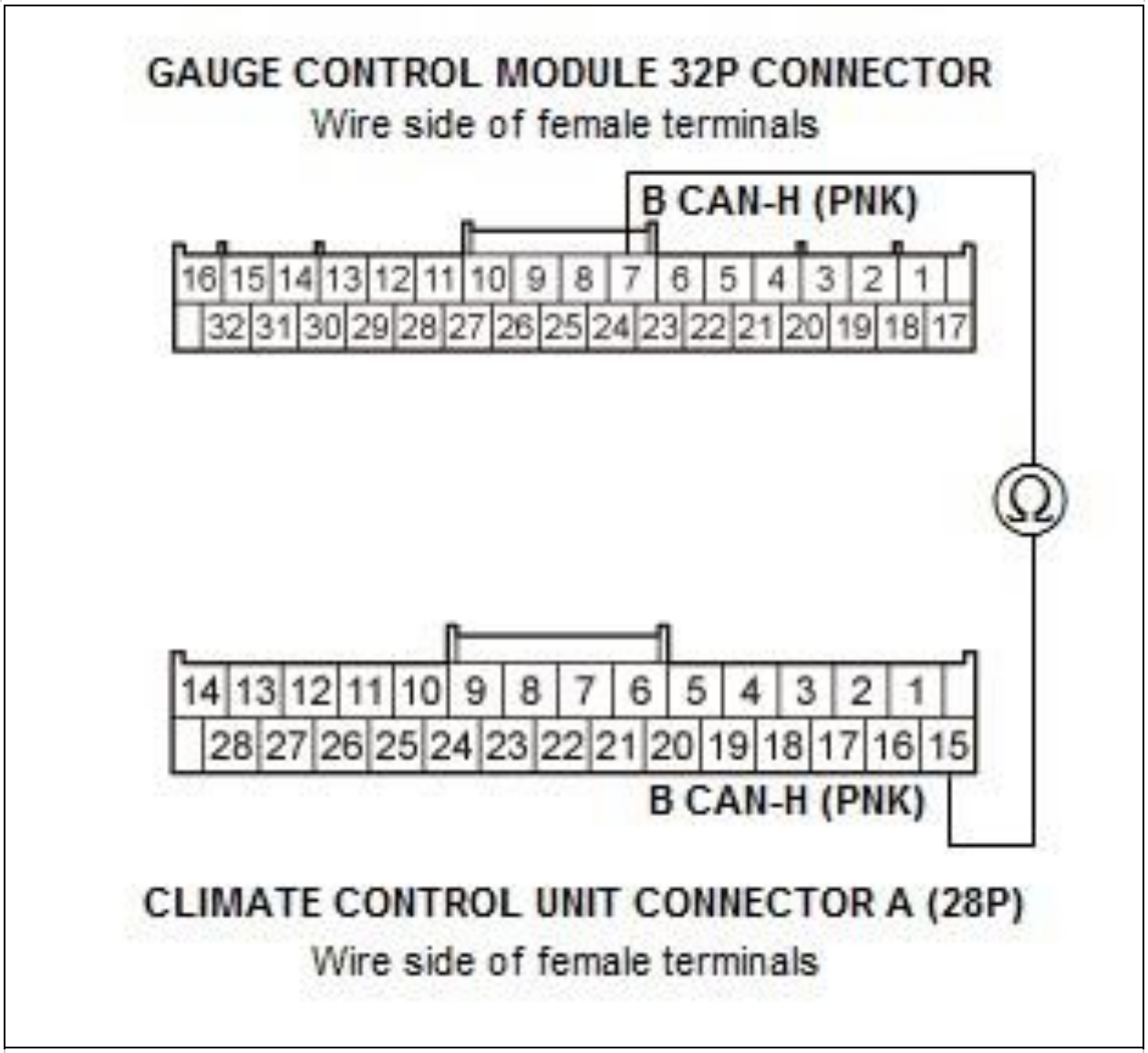
8. Open wire check (B CAN-H line):
   Disconnect the following connector.

Climate control unit connector A (28P)

- 2. Check for continuity between test points 1 and 2.

Test condition	OFF mode

	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-H
Test point 1	Gauge control module 32P connector No. 7 (PNK)
Test point 2	Climate control unit connector A (28P) No. 15 (PNK)



Is there continuity?
YES
Repair an open or poor connection in the B CAN-L wire between the climate control unit and the gauge control module.
NO
Repair an open or poor connection in the B CAN-H wire between the climate control unit and the gauge control module.

DTC TROUBLESHOOTING > DTC U128D (D-A2), U128D (81), U128D (83): LOST COMMUNICATION WITH GAUGE CONTROL MODULE (CLIMATE CONTROL UNIT) (201618)

DTC U128D or DTC screen D-A2 : Lost Communication with Gauge Control Module (Climate Control Unit)
DTC U128D or DTC indicator 81 : Climate Control Unit Lost Communication with Gauge Control Module (ECT message)
DTC U128D or DTC indicator 83 : Climate Control Unit Lost Communication with Gauge Control Module (VSP message)

DTC Description	DTC
U128D Lost communication with gauge control module (climate control unit)	

DTC (AC)

1. Problem verification:
   Clear the DTCs with the HDS.
   Clear DTCs
   - 2. Press the engine start/stop button to select the OFF mode and then the ON mode.
   - 3. Do the Self-Diagnostic Function with the HDS or the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 4. Check for DTCs.

DTC Description	DTC
U128D Lost communication with gauge control module (climate control unit)	

   Is DTC U128D, Error on the DTC screen D-A2 (with navigation), or 81 (without navigation) and/or 83 (without navigation) indicated?
   YES
   Go to step 2.
   NO
   Intermittent failure, the system is OK at this time. Check for loose or poor connections.

2. Determine possible failure area (gauge control module power and ground, B-CAN lines):
   Select GAUGES from the BODY ELECTRICAL SYSTEM SELECT menu, and then select DATA LIST.
   Does the DATA LIST appear?
   YES
   Go to step 5.
   NO
   Go to step 3.

3. Fuse check:
   Press the engine start/stop button to select the OFF mode. -
   2. Check the following fuse.

Fuse	No. A29 (10 A)
Location	Under-hood fuse/relay box

Is the fuse OK?

YES

Go to step 4.

NO

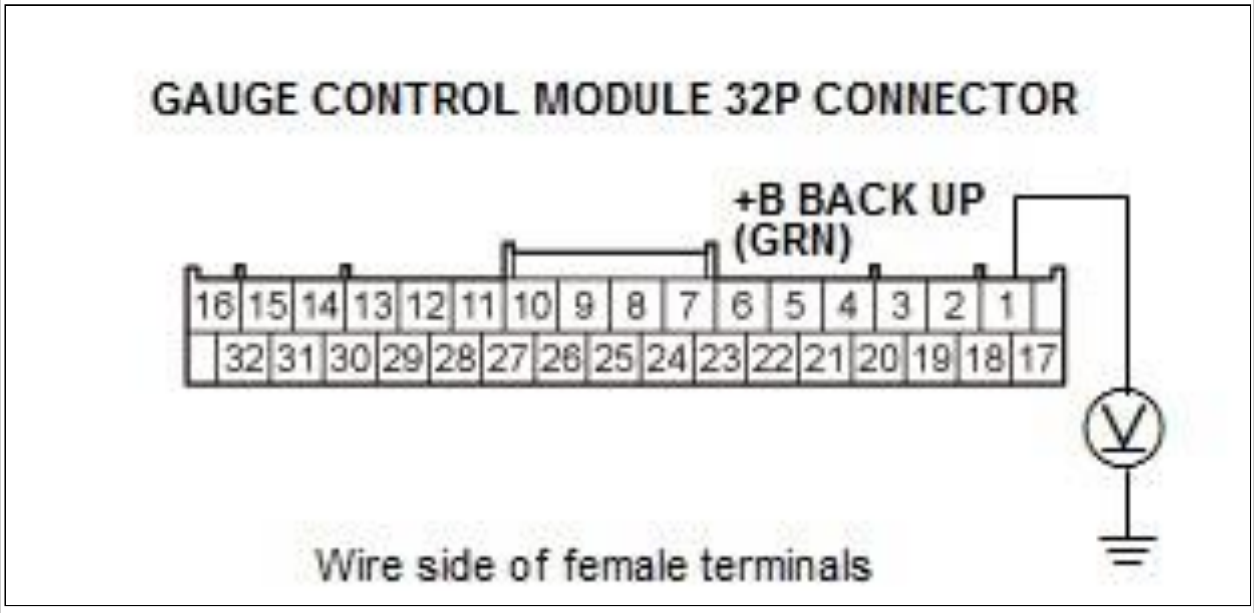
Replace the fuse, and recheck. If the fuse blow again, repair a short in the No. A29 (10 A) fuse circuit.

4. Open wire check (+B BACK UP line): Disconnect the following connector.

Gauge control module 32P connector

- 2. Measure the voltage between test points 1 and 2.

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
Test circuit	+B BACK UP
Test point 1	Gauge control module 32P connector No. 1 (GRN)
Test point 2	Body ground



Courtesy of HONDA, U.S.A., INC.

Is there battery voltage?

YES

Check for an open in the GND wire(s). If the wire is OK, check for poor ground (G502).

NO

Repair an open in the +B BACK UP wire.

5. Open wire check (B CAN-H line):

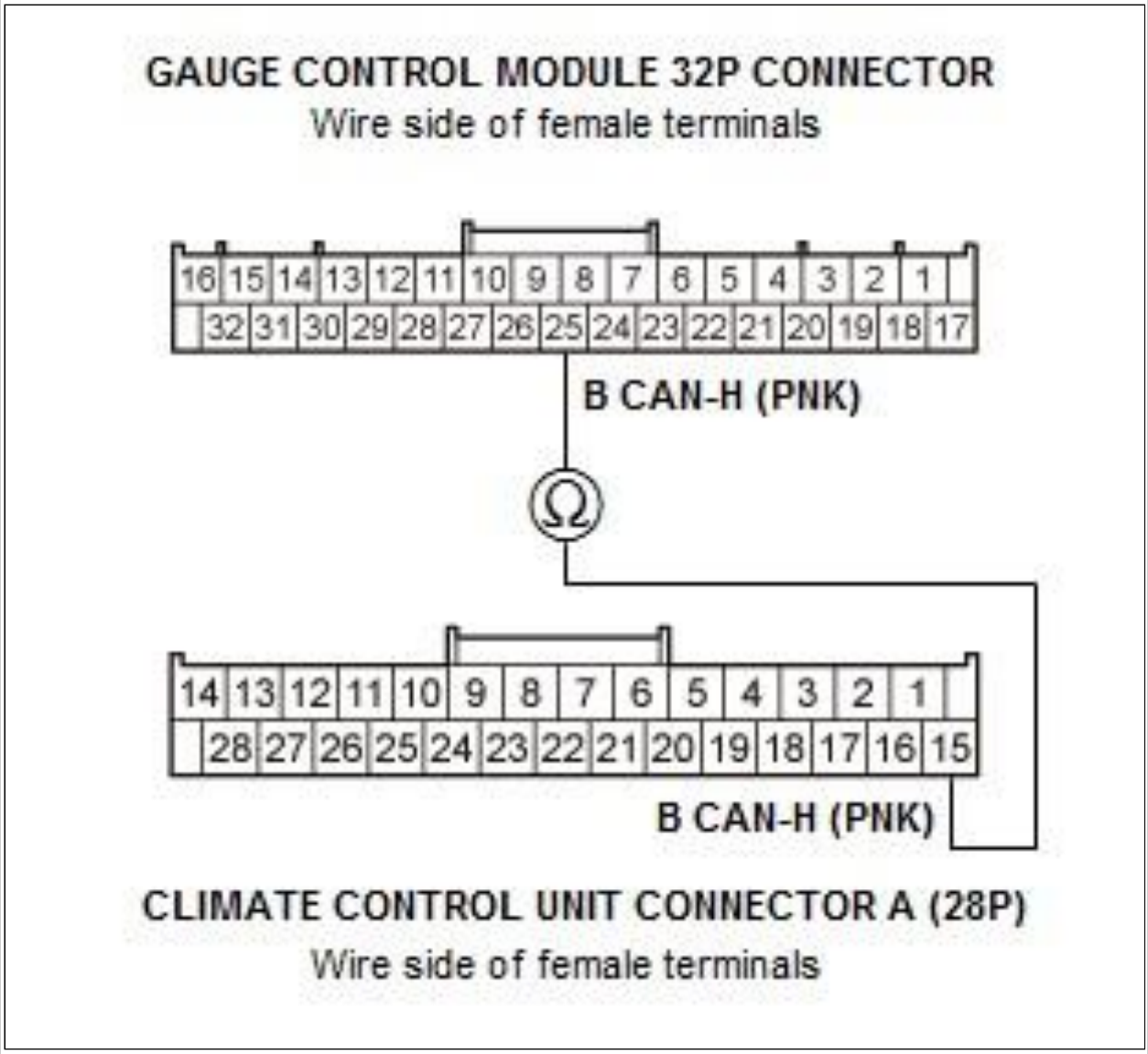
Press the engine start/stop button to select the OFF mode. -
2. Disconnect the following connectors.

Gauge control module 32P connector
Climate control unit connector A (28P)

- 3. Check for continuity between test points 1 and 2.

With color multi-information display (MID)

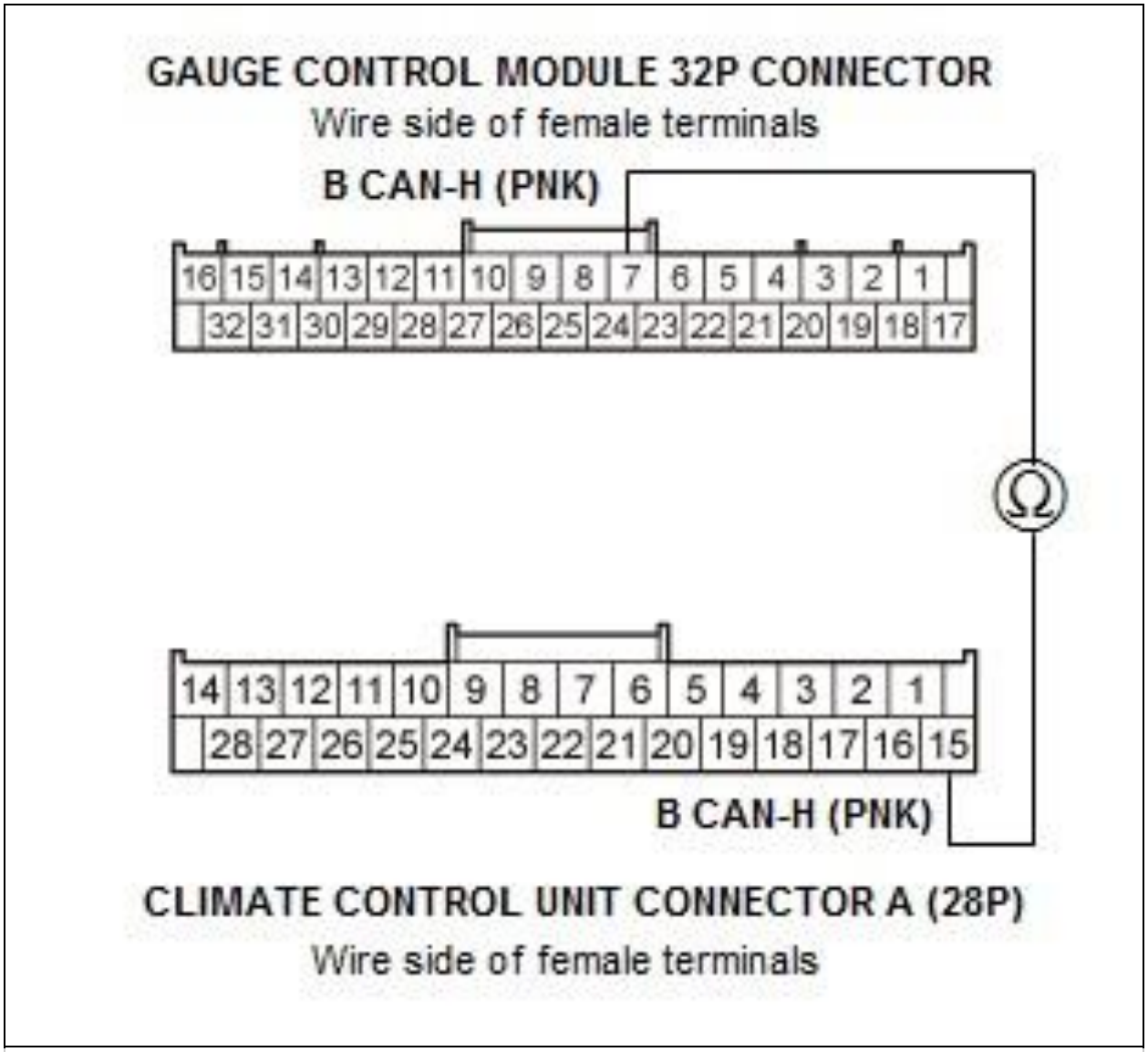
Test condition	OFF mode
	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-H
Test point 1	Gauge control module 32P connector No. 25 (PNK)
Test point 2	Climate control unit connector A (28P) No. 15 (PNK)



Courtesy of HONDA, U.S.A., INC.

Without color multi-information display (MID)

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-H
Test point 1	Gauge control module 32P connector No. 7 (PNK)
Test point 2	Climate control unit connector A (28P) No. 15 (PNK)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The B CAN-H wire is OK. Go to step 6.

NO

Repair an open or poor connection in the B CAN-H wire.

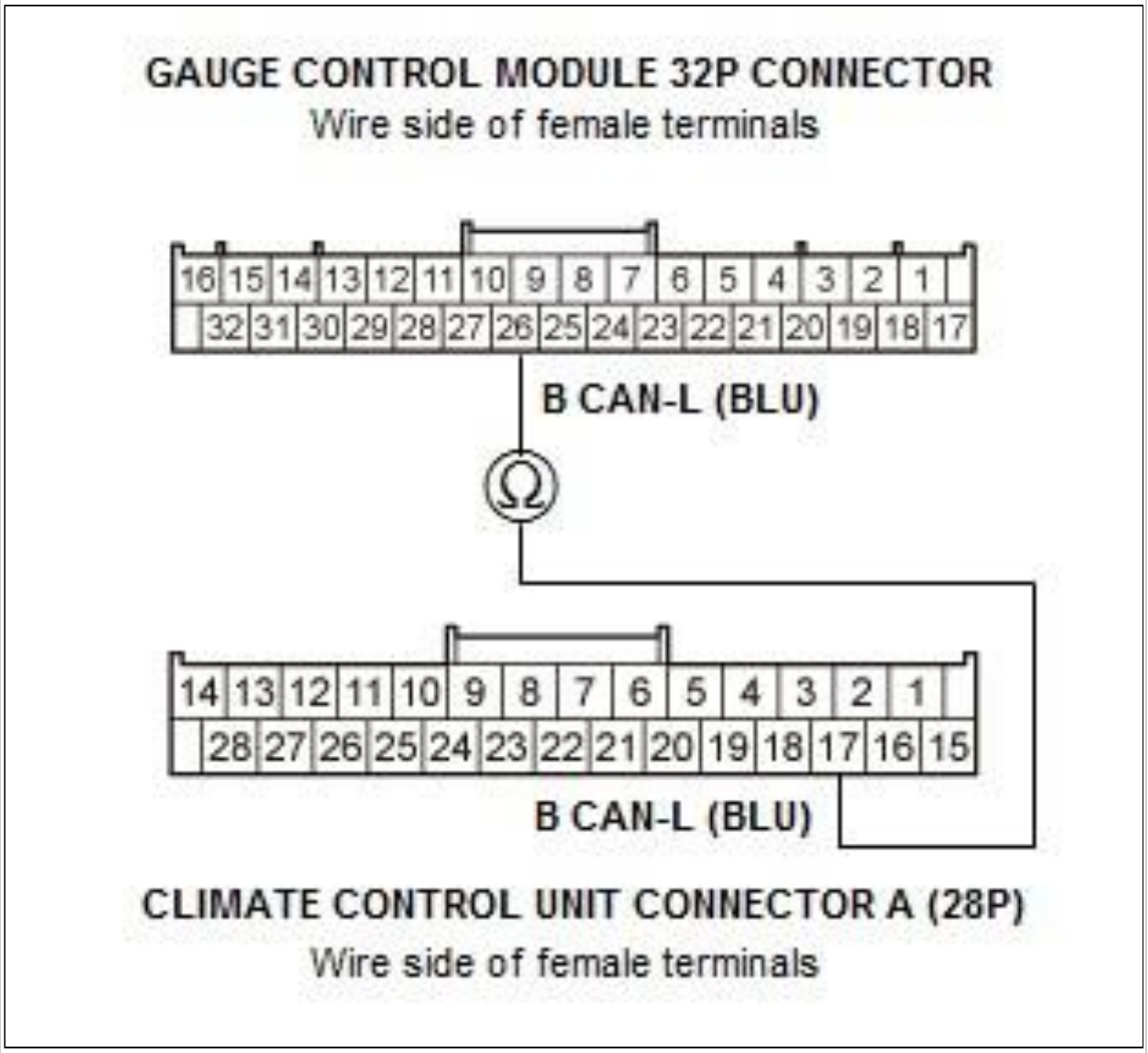
6. Open wire check (B CAN-L line):

Check for continuity between test points 1 and 2.

With color multi-information display (MID)

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-L
Test point 1	Gauge control module 32P connector No. 26 (BLU)

Test point 2	Climate control unit connector A (28P) No. 17 (BLU)

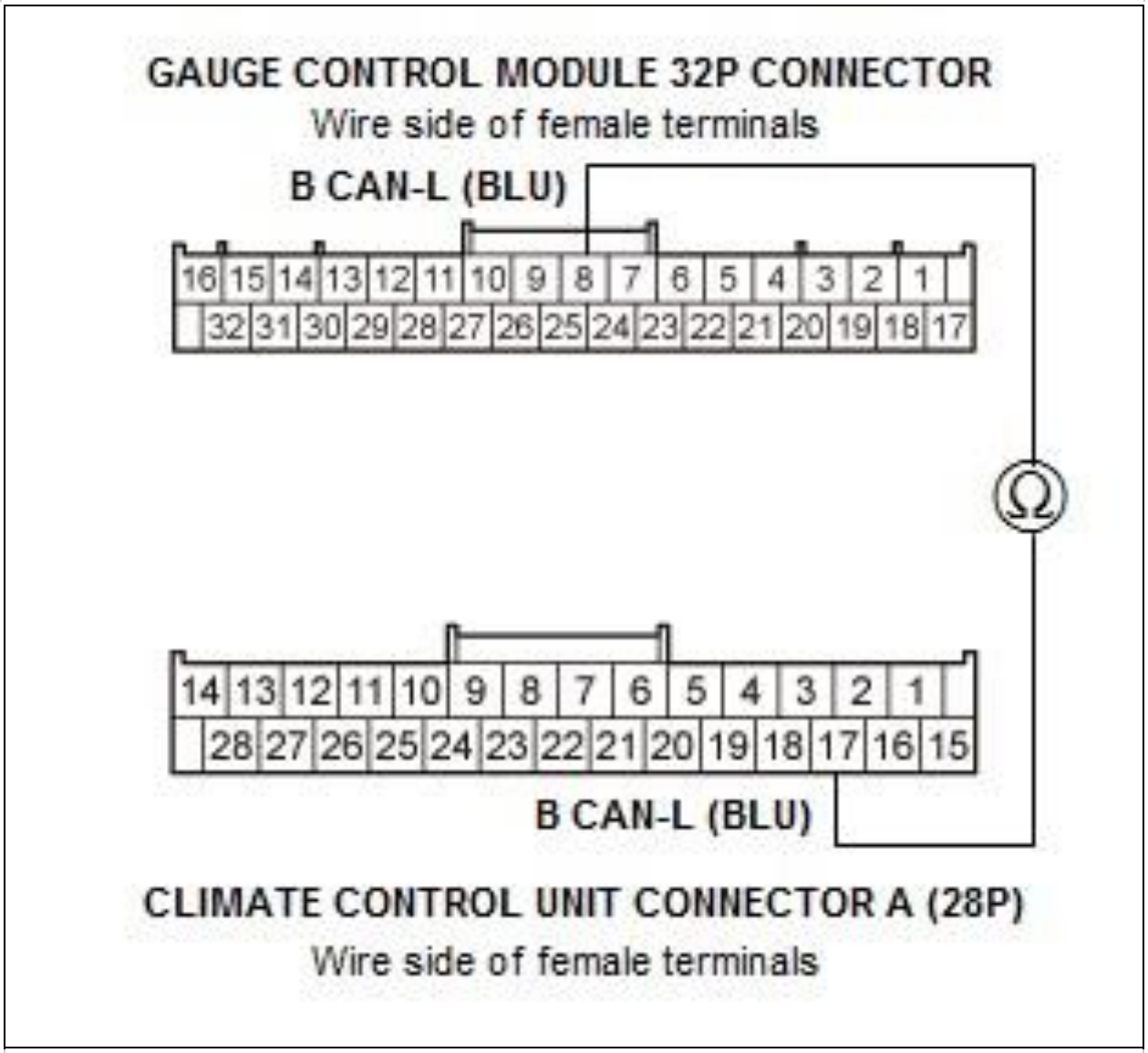


Courtesy of HONDA, U.S.A., INC.

Without color multi-information display (MID)

Test condition	OFF mode
	Gauge control module 32P connector: disconnected
	Climate control unit connector A (28P): disconnected
Test circuit	B CAN-L
Test point 1	Gauge control module 32P connector No. 8 (BLU)

Test point 2	Climate control unit connector A (28P) No. 17 (BLU)



Courtesy of HONDA, U.S.A., INC.

Is there continuity?

YES

The B CAN-L wire is OK. Replace the climate control unit .

NO

Repair an open or poor connection in the B CAN-L wire.

DTC TROUBLESHOOTING > DTC C0: CLIMATE CONTROL UNIT INTERNAL ERROR (2013-15)

1. Problem verification:
   Press the engine start/stop button to select the OFF mode and then the ON mode.

- 2. Do the Self-Diagnostic Function with the climate control unit - Refer to: How to Troubleshoot the Climate Control System (2013-15), or How to Troubleshoot the Body Electrical (2013-15) . - 3. Check for DTCs.

Is DTC C0 indicated?

YES

Replace the climate control unit .

NO

Intermittent failure, the climate control unit is OK at this time.

DTC TROUBLESHOOTING > DTC D-B8, C0: CLIMATE CONTROL UNIT INTERNAL ERROR (2016-18)

1. Problem verification:

   Press the engine start/stop button to select the OFF mode and then the ON mode.

   - 2. Do the Self-Diagnostic Function with the climate control unit - Refer to: How to Troubleshoot the Body Electrical (2016-18), or How to Troubleshoot the Climate Control System (Without navigation) (2016-18), or How to Troubleshoot the Climate Control System (With navigation) (2016-18) .
   - 3. Check for DTCs.

   Is Error on the DTC screen D-B8 (with navigation) or C0 (without navigation) indicated? **YES**

   Replace the climate control unit .

   NO

   Intermittent failure, the climate control unit is OK at this time.