

2004 ACCESSORIES & EQUIPMENT

Cruise Control - TSX

COMPONENT LOCATION INDEX

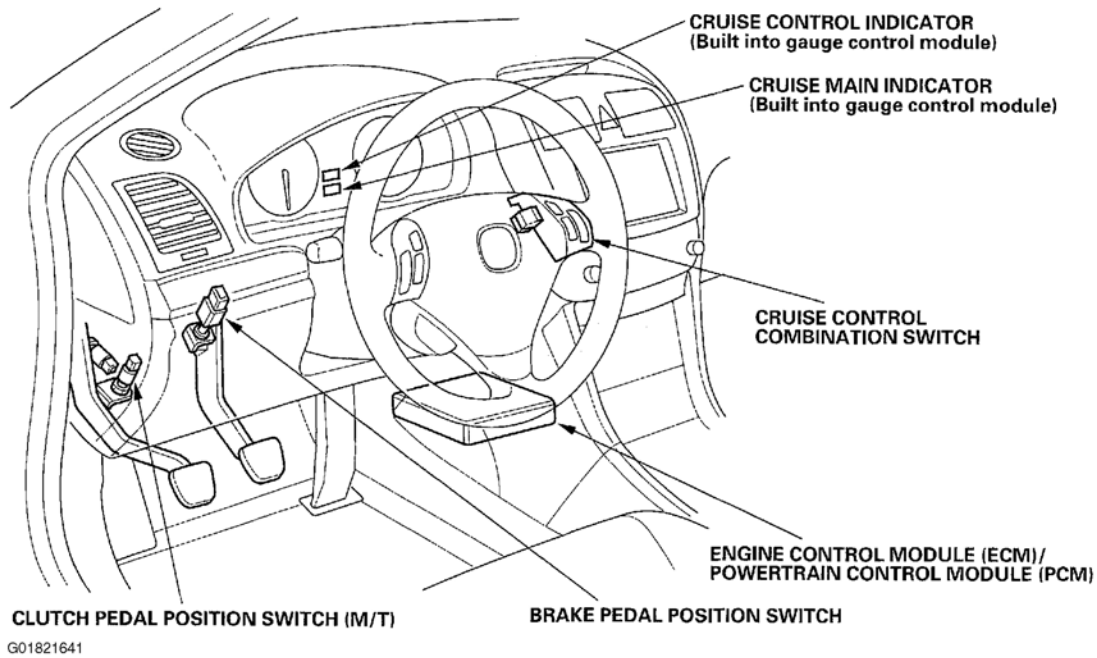
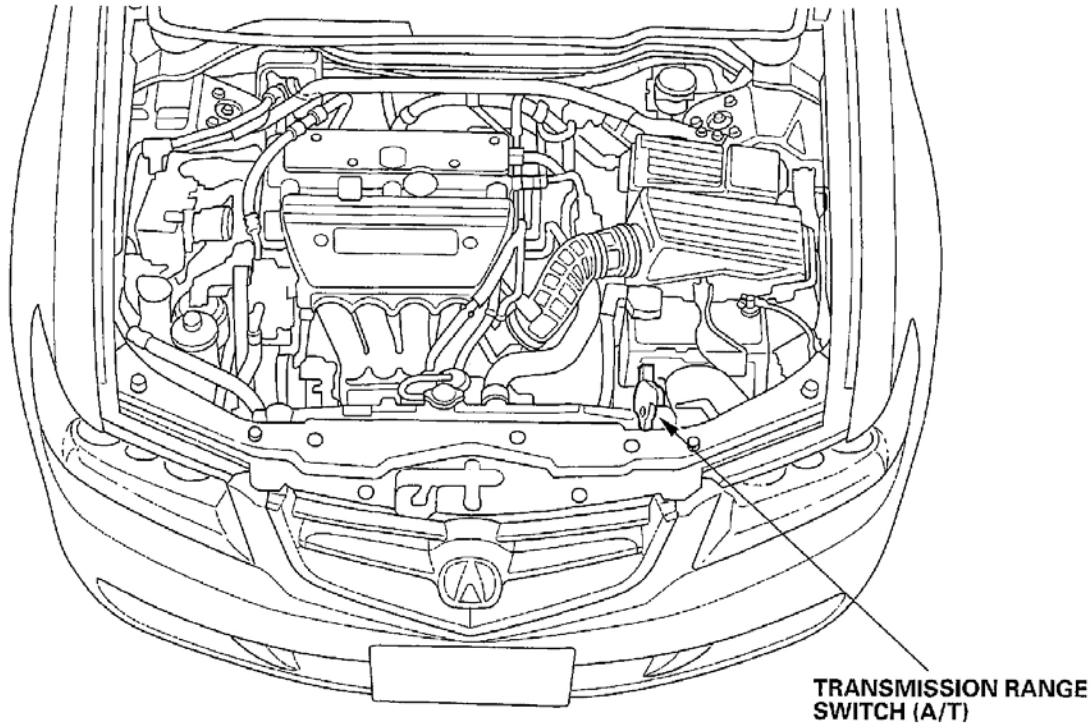


Fig. 1: Locating Cruise Control Components (1 Of 2)



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Fig. 2: Locating Cruise Control Components (2 Of 2)

CIRCUIT DIAGRAM

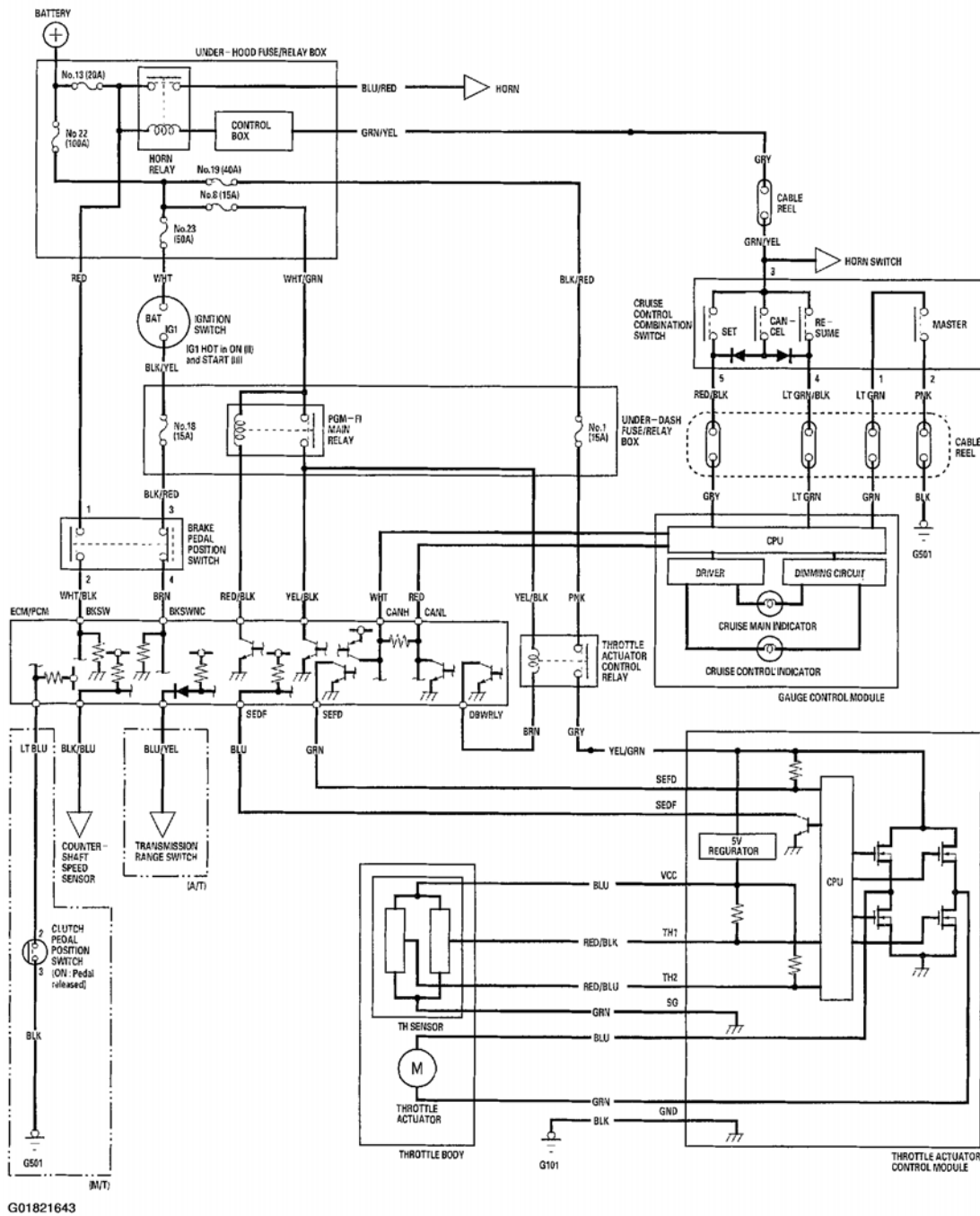


Fig. 3: Cruise Control Wiring Diagram

SYMPTOM TROUBLESHOOTING INDEX

NOTE: Before troubleshooting.

- Check for PGM-FI and body DTC's.

- Check the No. 13 (20A) fuse in the under-hood fuse/relay box, and the No. 18 (15A) fuse in the under-dash fuse/relay box.
- Check that the horn sounds.
- Check the speedometer to see if it works properly.

Symptom	Diagnostic procedure
Cruise control cannot be set	1. Perform the cruise control input test
Cruise control can be set, but cruise main indicator does not come on	1. Perform the cruise control input test
Cruise control can be set, but cruise control indicator does not come on	1. Perform the cruise control input test
Vehicle does not decelerate or accelerate accordingly when SET/RESUME/CANCEL button is pressed	1. Perform the cruise control input test
Set speed does not cancel when brake pedal is pressed	1. Perform the cruise control input test
Set speed does not cancel when MASTER button is turned OFF	1. Perform the cruise control input test
Set speed does not cancel when CANCEL button is pressed	1. Perform the cruise control input test
Set speed will not resume when RESUME button is pressed (with MASTER button ON, and set speed temporarily cancelled by pressing the brake pedal)	1. Perform the cruise control input test

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Fig. 4: Symptom Troubleshooting Table

CRUISE CONTROL INPUT TEST

1. Connect the Honda Diagnostic system (HDS) to the Data Link Connector (DLC).
2. Go to B-CAN System Diagnosis Test Mode A and check for DTC's.
3. Go to PGM-FI and check for DTC's.
4. Turn the ignition switch ON (II).
5. Perform the following tests while monitoring parameters in the PGM-FI DATA LIST.

Signal to be tested	Test condition	Parameter: Desired result	Possible cause if result is not obtained
Brake switch signal	Brake pedal pressed, then released	CRUISE BRK SW should indicate OFF when the brake pedal is pressed and ON should be indicated when the brake pedal is released.	<ul style="list-style-type: none"> Faulty brake pedal position switch Blown No.18 (15A) fuse in the under-dash fuse/relay box An open in the wire between the ECM/PCM and the brake pedal position switch A wire shorted to ground between the ECM/PCM and the brake pedal position switch
Clutch pedal position switch signal	Clutch pedal pressed, then released	SHIFT/CLUTCH SW should indicate OFF when the clutch pedal is pressed and ON should be indicated when the clutch pedal is released.	<ul style="list-style-type: none"> Faulty clutch pedal position switch An open in the wire between the ECM and the clutch pedal position switch A wire shorted to ground between the ECM and the clutch pedal position switch Poor ground G501
Transmission range switch signal	Shift in D , M , or D_s position	SHIFT/CLUTCH SW should indicate OFF in P , R , and N position and ON in D , M , and D_s position.	<ul style="list-style-type: none"> Faulty transmission range switch An open in the wire between the PCM and the transmission range switch A wire shorted to ground between the PCM and the transmission range switch Poor ground G101
Cruise control master button signal	Cruise control master button ON and OFF	CRUISE MAIN SW should indicate ON when the cruise control master button is turned ON and OFF when the cruise control master button is turned OFF.	<ul style="list-style-type: none"> Faulty cruise control combination switch An open in the wire between the gauge assembly and the cruise control combination switch A wire shorted to ground between the gauge assembly and the cruise control combination switch An open in the wire between the cruise control combination switch and the ground
Set button signal	Set button pressed and released	CRUISE SET SW should indicate ON when the set button is pressed and OFF when the set button is released.	<ul style="list-style-type: none"> Faulty cruise control combination switch An open in the wire between the gauge assembly and the cruise control combination switch A wire shorted to ground between the gauge assembly and the cruise control combination switch

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Fig. 5: Cruise Control Input Tests (1 Of 2)

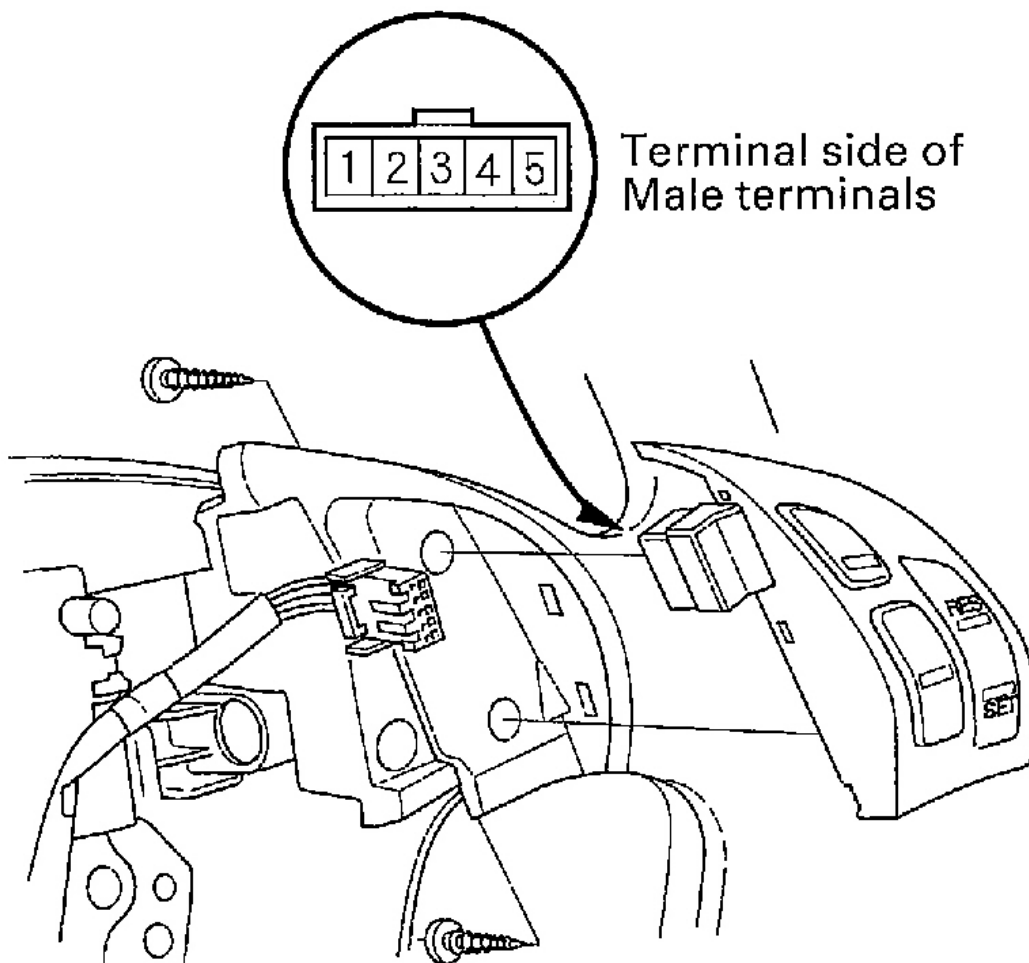
Signal to be tested	Test condition	Parameter: Desired result	Possible cause if result is not obtained
Resume button signal	Resume button pressed and released	CRUISE RESUME SW should indicate ON when the resume button is pressed and OFF when the resume button is released.	<ul style="list-style-type: none"> Faulty cruise control combination switch An open in the wire between the gauge assembly and the cruise control combination switch A wire shorted to ground between the gauge assembly and the cruise control combination switch
Cancel button signal	Cancel button pressed and released	CRUISE CANCEL SW should indicate ON when the cancel button is pressed and OFF when the cancel button is released.	<ul style="list-style-type: none"> Faulty cruise control combination switch
Cruise control indicator signal	Start the engine, turn the cruise control master button on and drive the vehicle to speeds over 25 mph (40 km/h) with the cruise control set and cancel the cruise control	CRUISE LIGHT should indicate ON when the cruise control is set and OFF when the cruise control is cancelled.	<ul style="list-style-type: none"> Faulty gauge assembly A burnt cruise control indicator bulb

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Fig. 6: Cruise Control Input Tests (2 Of 2)

CRUISE CONTROL COMBINATION SWITCH TEST/REPLACEMENT

1. Remove the driver's airbag (see **AIR BAG RESTRAINT SYSTEMS**).
2. Remove the two screws, then disconnect the connector, and remove the switch.



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Fig. 7: Removing Cruise Control Combination Switch

3. Check for continuity between the terminals in each switch position according to the table.
 - If there is continuity, and it matches the table, but switch failure occurred on the cruise control unit input test, check and repair the wire harness on the switch circuit.
 - If there is no continuity in one or both positions, replace the switch.

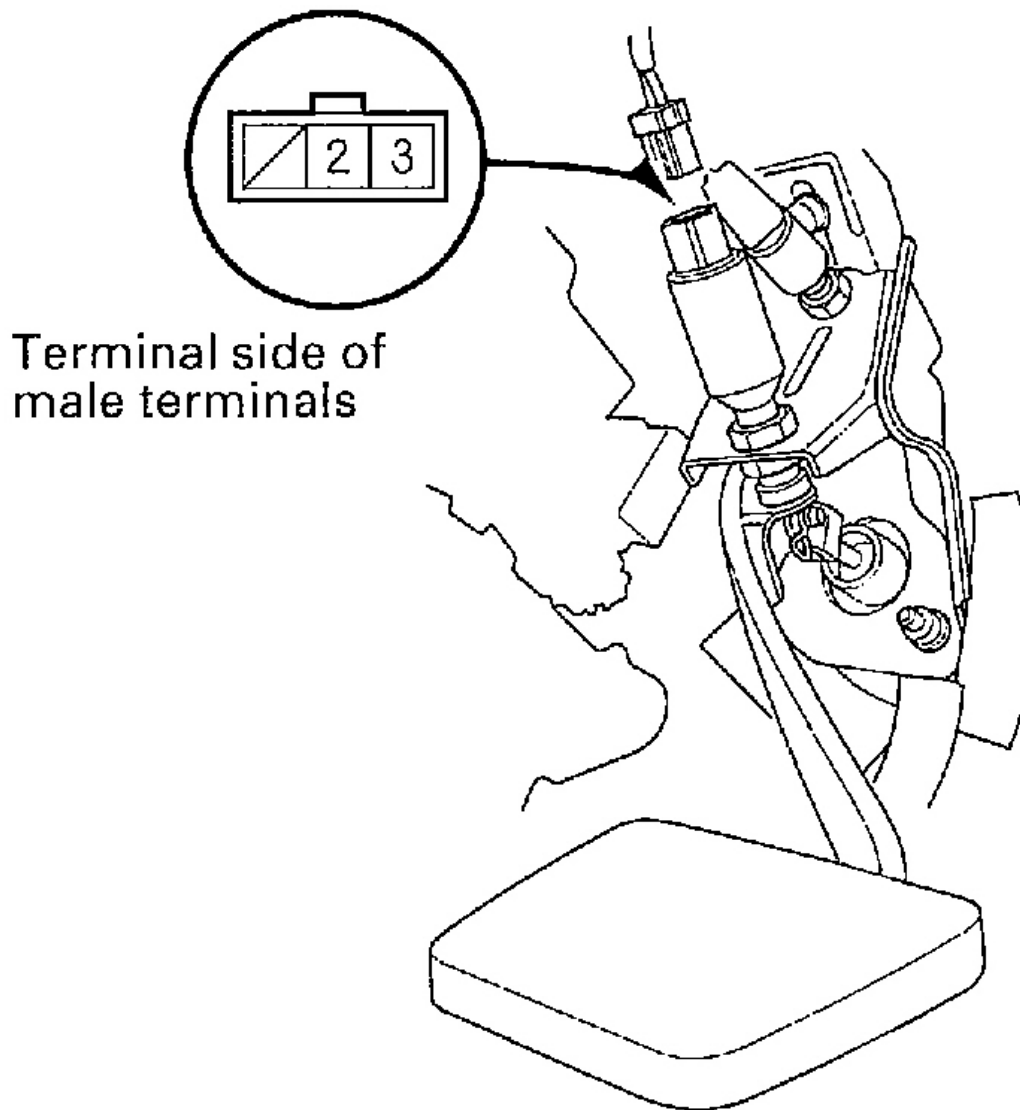
Terminal Position	1	2	3		4	5
MASTER (ON)	○	○				
MASTER (OFF)						
SET (ON)			○	○	○	○
RESUME (ON)			○	○	○	
CANCEL (ON)			○	○	○	○

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Fig. 8: Cruise Control Combination Switch Continuity Table

CLUTCH PEDAL POSITION SWITCH TEST


1. Disconnect the 3P connector from the clutch pedal position switch (A).



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Fig. 9: Disconnecting The 3P Connector From The Clutch Pedal Position Switch

2. Remove the clutch pedal position switch.
3. Check for continuity between the terminals according to the table.
 - If the continuity is not as specified, replace the clutch pedal position switch.
 - If OK, install the clutch pedal position switch and adjust the pedal height (see **CLUTCH PEDAL, CLUTCH PEDAL POSITION SWITCH, A**).

Terminal Clutch Pedal Position Switch	1	2	3
PRESSED			
RELEASED			

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Fig. 10: Clutch Pedal Position Switch Continuity Table