

STEERING COLUMN SWITCHES

1998 Toyota Supra

1998 ACCESSORIES & EQUIPMENT
Toyota - Steering Column Switches

Avalon, Camry, Celica, Corolla, Supra, Tercel

*** PLEASE READ THIS FIRST ***

WARNING: Deactivate air bag system before performing any service operation. See AIR BAG RESTRAINT SYSTEMS article. DO NOT apply electrical power to any component on steering column without first deactivating air bag system. Air bag may deploy.

DESCRIPTION

Headlight and turn signal switch (left side of column) and wiper/washer switch (right side of column) are part of the combination switch. Lever for tilt steering (if equipped) is on the left side of column.

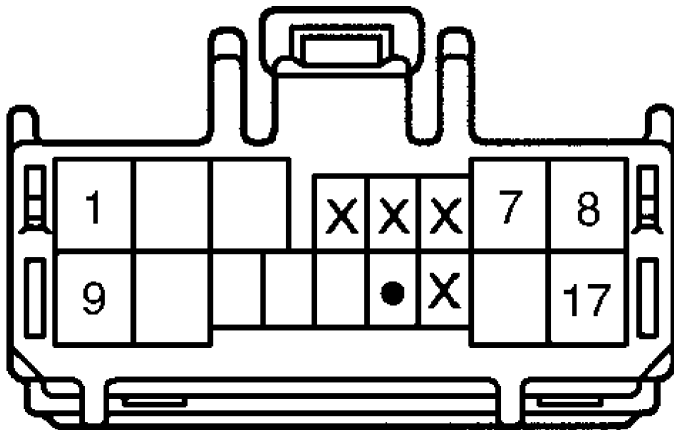
COMPONENT TESTS

*** PLEASE READ THIS FIRST ***

NOTE: For information on cruise control switch (right side of column), see CRUISE CONTROL SYSTEMS article.

COMBINATION SWITCH

NOTE: Combination switch includes switches for headlights, turn signals and windshield wipers. For testing, see appropriate component procedure. To identify connector terminals, see Fig. 1.



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Fig. 1: Identifying Combination Switch Connector Terminals
Courtesy of Toyota Motor Sales, U.S.A., Inc.

HEADLIGHT, DIMMER & PASSING SWITCHES

With headlight switch in specified position, check continuity between specified terminals of combination switch connector. See HEADLIGHT SWITCH CONTINUITY TEST table and/or DIMMER & PASSING SWITCHES CONTINUITY TEST table. See Fig. 1. If continuity is not as specified, replace headlight switch or turn signal/dimmer switch as necessary. See COMBINATION SWITCH R & I under REMOVAL & INSTALLATION.

HEADLIGHT SWITCH CONTINUITY TEST TABLE

Application & Switch Position	(1) Terminals No.	Continuity
Avalon		
Off	None	No
Tail	14 & 15	Yes
Head	13, 14 & 15	Yes
Except Avalon		
Off	None	No
Tail	14 & 16	Yes
Head	13, 14 & 16	Yes

(1) - See Fig. 1.

DIMMER & PASSING SWITCHES CONTINUITY TEST TABLE

Application & Switch Position	(1) Terminals No.	Continuity
Avalon & Tercel		
High Beam	8 & 16	Yes
Low Beam	16 & 17	Yes
Passing	8, 9 & 16	Yes
Camry, Celica, Corolla & Supra		
High Beam	7 & 16	Yes
Low Beam	16 & 17	Yes
Passing	7, 8 & 16	Yes

(1) - See Fig. 1.

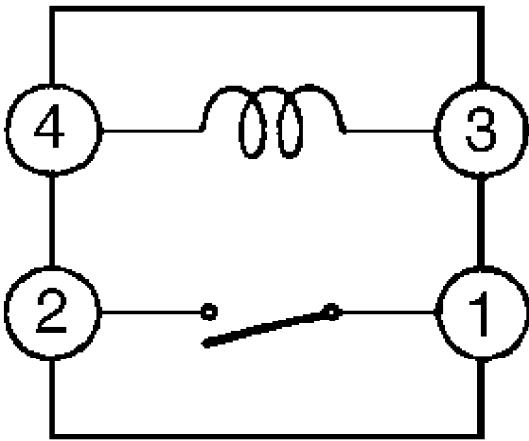
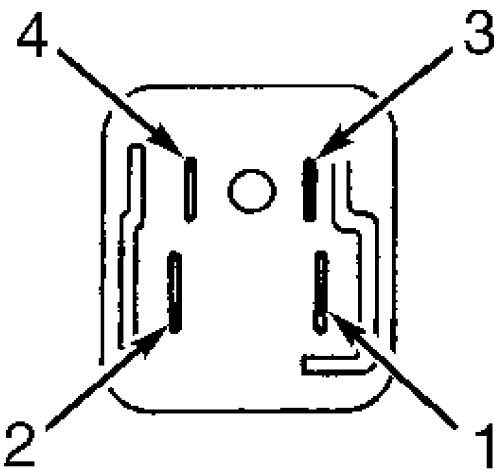
HEADLIGHT CONTROL RELAY

Remove relay. See HEADLIGHT CONTROL RELAY LOCATION table. Continuity should exist between relay terminals No. 3 and 4 at all times. See Fig. 2. Continuity should not exist between relay terminals No. 1 and 2. Apply battery voltage across relay terminals No. 3 and 4. Continuity should now exist between relay terminals No. 1 and 2. If continuity is not as specified, replace relay.

HEADLIGHT CONTROL RELAY LOCATION TABLE

Application	Location
Avalon	Left Side Of Engine Compartment, In Relay Block Near Left Headlight
Camry, Celica & Corolla	Left Side Of Engine Compartment, In Junction Block No. 2
Supra	Left Side Of Engine Compartment, In Relay Block No. 2

Tercel Left Side Of Engine Compartment,
In Relay Block Near Strut Tower



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Fig. 2: Identifying Headlight Control Relay Terminals
Courtesy of Toyota Motor Sales, U.S.A., Inc.

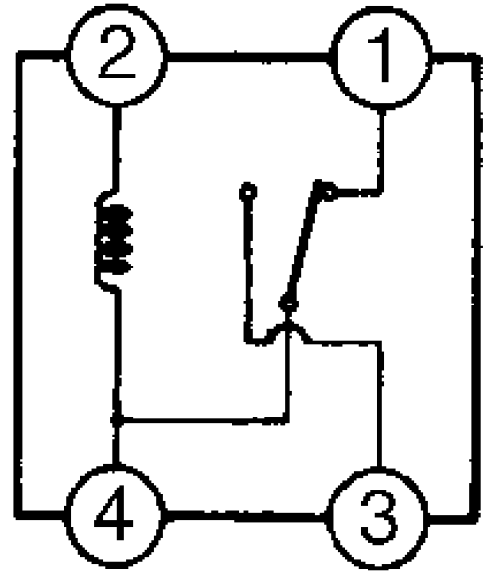
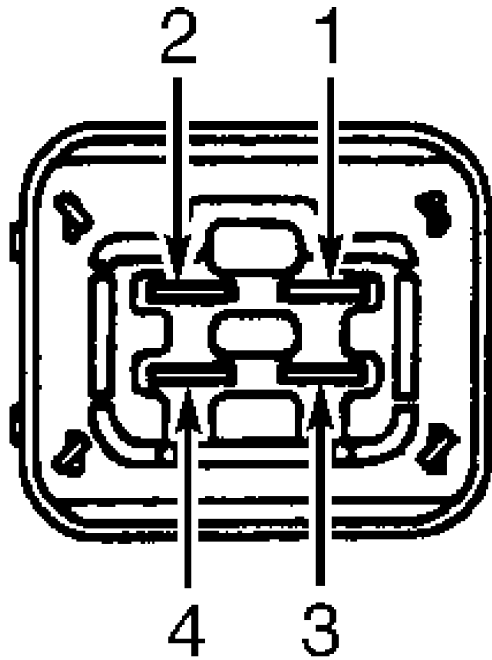
HEADLIGHT DIMMER RELAY

Camry, Corolla & Tercel

- 1) Remove relay. See HEADLIGHT DIMMER RELAY LOCATION table. Continuity should exist between relay terminals No. 1 and 4, and 2 and 4 at all times. See Fig. 3. For Camry, go to next step. For Corolla, go to step 3). For Tercel, go to step 4).
- 2) Continuity should not exist between relay terminals No. 3 and 4. Apply battery voltage across relay terminals No. 2 and 4. Continuity should now exist between relay terminals No. 3 and 4. If continuity is not as specified, replace relay.
- 3) Continuity should not exist between relay terminals No. 1, 3 and 4. Apply battery voltage across relay terminals No. 2 and 4. Continuity should now exist between relay terminals No. 1, 3 and 4. If continuity is not as specified, replace relay.
- 4) Continuity should not exist between relay terminals No. 2, 3 and 4. Apply battery voltage across relay terminals No. 2 and 4. Continuity should now exist between relay terminals No. 2, 3 and 4. If continuity is not as specified, replace relay.

HEADLIGHT DIMMER RELAY LOCATION TABLE

Application	Location
Camry	Behind Left Side Of Dash, In Junction Block No. 1
Corolla	Left Side Of Engine Compartment, In Junction Block No. 2
Tercel	Left Side Of Engine Compartment, In Relay Block Near Strut Tower



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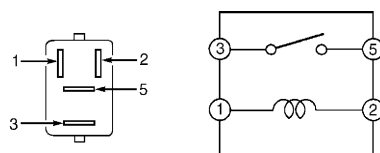
Fig. 3: Headlight Dimmer Relay Terminals (Camry, Corolla & Tercel)
Courtesy of Toyota Motor Sales, U.S.A., Inc.

TAILLIGHT CONTROL RELAY

Remove relay. See TAILLIGHT CONTROL RELAY LOCATION table. Continuity should exist between relay terminals No. 1 and 2 at all times. See Fig. 5 or 6. Continuity should not exist between relay terminals No. 3 and 5. Apply battery voltage across relay terminals No. 1 and 2. Continuity should now exist between relay terminals No. 3 and 5. If continuity is not as specified, replace relay.

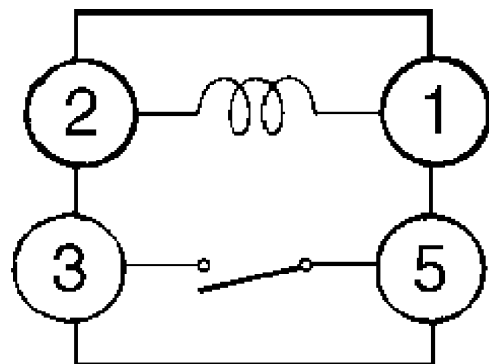
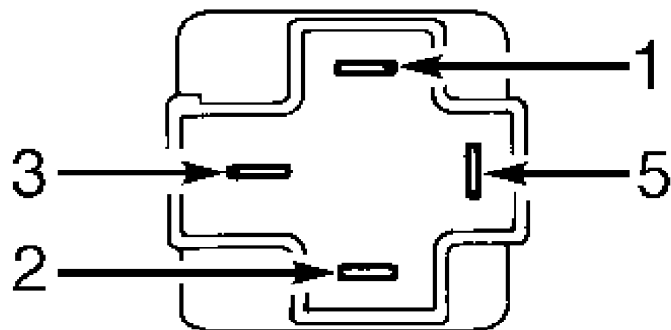
TAILLIGHT CONTROL RELAY LOCATION TABLE

Application	Location
Avalon, Camry & Celica	Behind Left Side Of Dash, In Junction Block No. 1
Corolla & Supra	Behind Left Kick Panel, In Junction Block No. 1
Tercel	Behind Left Side Of Dash, In Junction Block



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Fig. 4: Taillight Control Relay Terminals (Camry & Corolla)
Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 5: Taillight Control Relay Terminals (Except Camry & Corolla)
Courtesy of Toyota Motor Sales, U.S.A., Inc.

HORN SWITCH

1) Disconnect combination switch connector. See Fig. 9. With horn pad pressed and held down (horn ON), check continuity between appropriate wire terminal of combination switch connector. See Fig. 1. See appropriate wiring diagram in WIRING DIAGRAMS.

2) If there is no continuity, repair wiring or replace components as necessary. Components include horn pad and contact pin, slip ring and spiral cable. If there is continuity, check for open in horn circuit, faulty horn or faulty horn relay. See HORN RELAY LOCATION table.

HORN RELAY LOCATION TABLE

Application	Location
Avalon	Left Side Of Engine Compartment, In Junction Block Near Left Headlight
Camry	Left Side Of Engine Compartment, In Junction Block No. 2
Celica & Supra	Left Side Of Engine Compartment, In Junction/Relay Block No. 2
Corolla	Left Side Of Engine Compartment, In Junction Block No. 2
Tercel	Left Side Of Engine Compartment, In Relay Block Near Strut Tower

IGNITION SWITCH

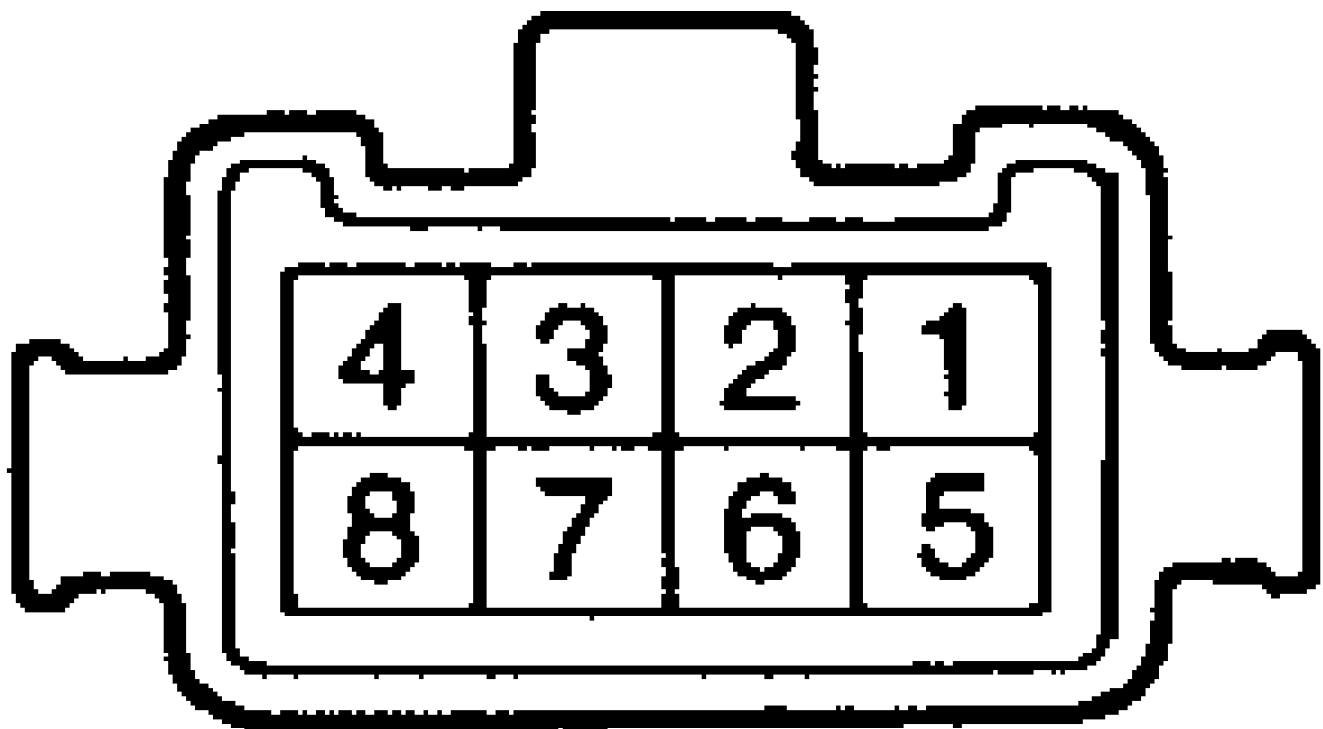
Disconnect ignition switch connector. With ignition switch in specified position, check continuity between specified terminals of ignition switch connector. See IGNITION SWITCH CONTINUITY TEST table. See Fig. 6 or 7. If continuity is not as specified, replace ignition switch. See IGNITION SWITCH R & I under REMOVAL & INSTALLATION.

IGNITION SWITCH CONTINUITY TEST TABLE

Application & Switch Position	(1) Terminals No.	Continuity
Avalon, Camry Corolla & Tercel		

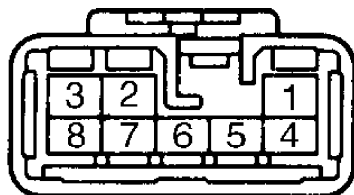
Lock	None	No
Accessory	2 & 3	Yes
On	2, 3 & 4; 6 & 7	Yes
Start	1, 2 & 4; 6, 7 & 8	Yes
Celica & Supra		
Lock	None	No
Accessory	5 & 7	Yes
On	2 & 3; 4, 5 & 7	Yes
Start	1, 2 & 3; 4, 7 & 8	Yes

(1) - See Fig. 6 or 7.



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Fig. 6: Ignition Switch Connector Terminals (Avalon, Camry, Corolla & Tercel)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 7: Ignition Switch Connector Terminals (Celica & Supra)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

TURN SIGNAL SWITCH

Disconnect combination switch connector. See Fig. 9. With turn signal switch in specified position, check continuity between specified terminals of combination switch connector. See TURN SIGNAL SWITCH CONTINUITY TEST table. See Fig. 1. If continuity is not as specified, replace turn signal switch. See COMBINATION SWITCH R & I under REMOVAL & INSTALLATION.

TURN SIGNAL SWITCH CONTINUITY TEST TABLE

Switch Position	(1) Terminals	Continuity
Left	No. 1 & 2	Yes
Neutral	None	No
Right	No. 2 & 3	Yes

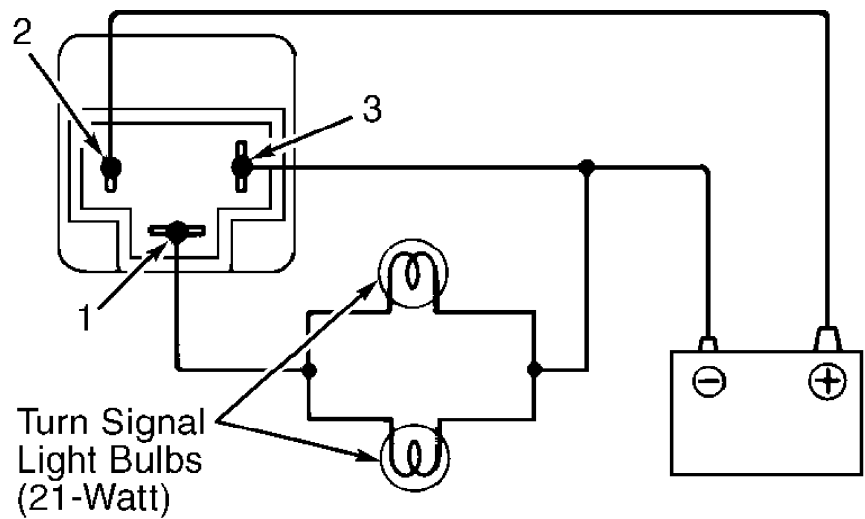
(1) - See Fig. 1.

TURN SIGNAL FLASHER

Remove turn signal flasher. See TURN SIGNAL FLASHER LOCATION table. At turn signal flasher terminals, connect battery positive lead to terminal No. 2. See Fig. 8. Connect battery negative lead to terminal No. 3. Connect 2 turn signal bulbs in parallel between terminal No. 1 and battery negative terminal. Replace turn signal flasher if bulbs do not flash 60-120 times per minute.

TURN SIGNAL FLASHER LOCATION TABLE

Application	Location
Avalon & Tercel	Behind Instrument Cluster
Camry & Celica	Behind Left Kick Panel, In Relay Block
Corolla	Behind Left Kick Panel, In Relay Block No. 1
Supra	Behind Left Kick Panel, In Relay Block No. 4



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Fig. 8: Testing Turn Signal Flasher
Courtesy of Toyota Motor Sales, U.S.A., Inc.

WIPER/WASHER SWITCH

NOTE: See WIPER/WASHER SYSTEMS article.

REMOVAL & INSTALLATION

*** PLEASE READ THIS FIRST ***

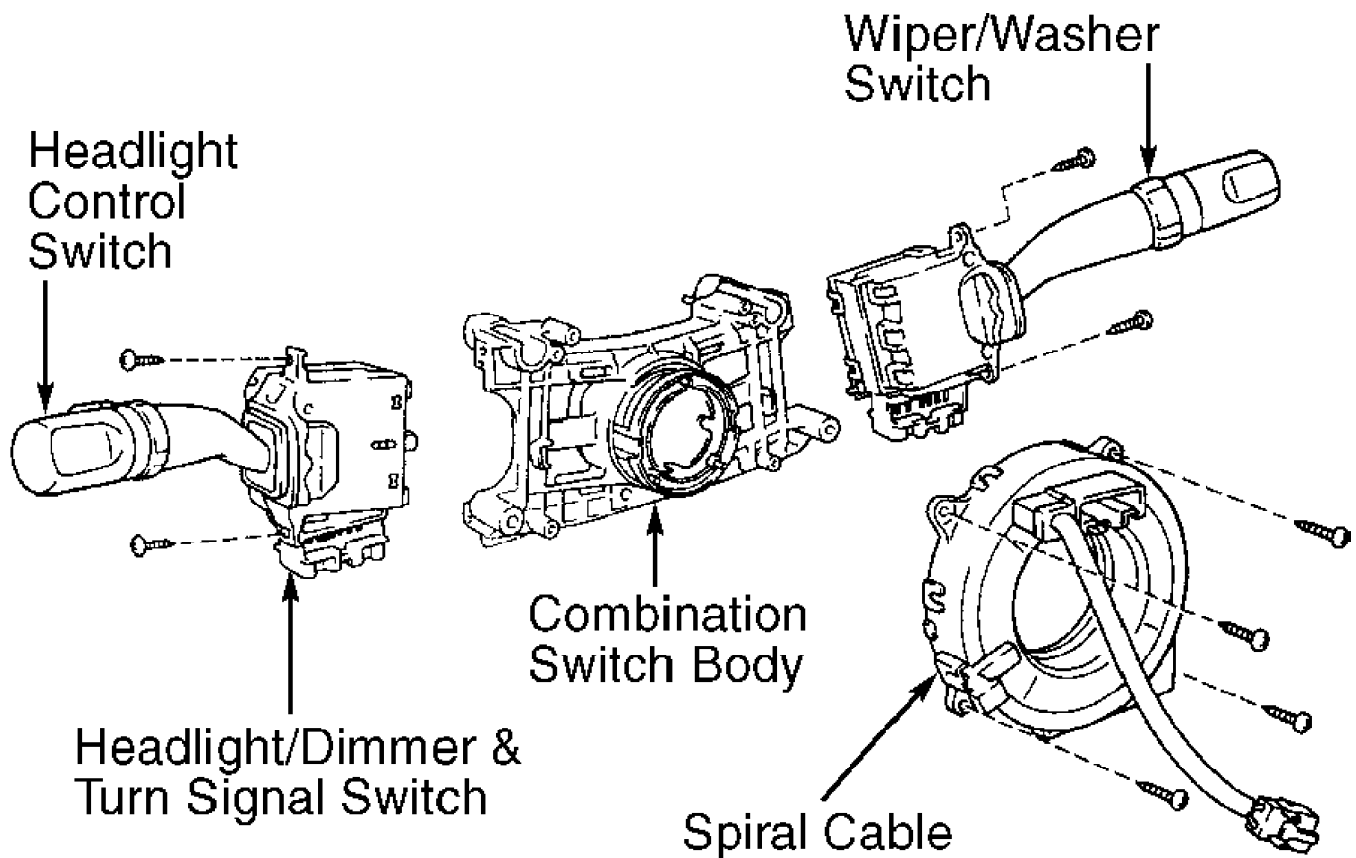
WARNING: Deactivate air bag system before performing any service operation. See AIR BAG RESTRAINT SYSTEMS article. DO NOT apply electrical power to any component on steering column without first deactivating air bag system. Air bag may deploy.

COMBINATION SWITCH R & I

Removal & Installation

1) Remove upper and lower steering column covers (it may be necessary to first remove lower finish panel from instrument panel). Disconnect combination switch connector.

2) Remove screws securing combination switch to steering column. Remove combination switch. See Fig. 9. To install, reverse removal procedure.



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Fig. 9: Exploded View Of Combination Switch
Courtesy of Toyota Motor Sales, U.S.A., Inc.

IGNITION SWITCH R & I

Removal & Installation

1) Disconnect negative battery cable. Remove upper and lower steering column covers (it may be necessary to first remove lower instrument panel trim panel). Remove outer plastic trim cover from lock cylinder assembly (if equipped).

2) Disconnect ignition switch electrical connector(s). Remove screw(s) retaining ignition switch to lock cylinder. Remove ignition switch from lock cylinder. To install, reverse removal procedure.

WIRING DIAGRAMS

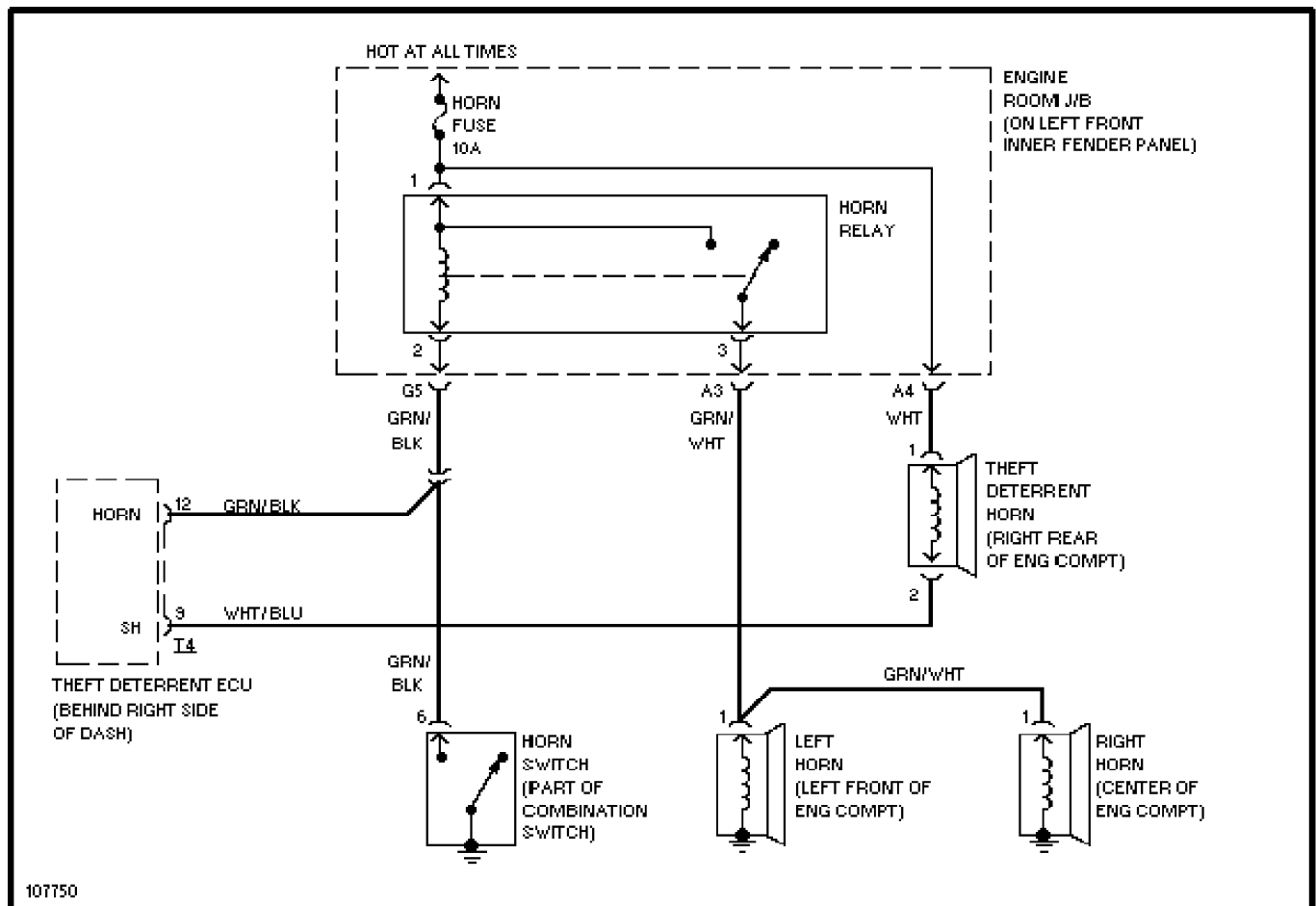
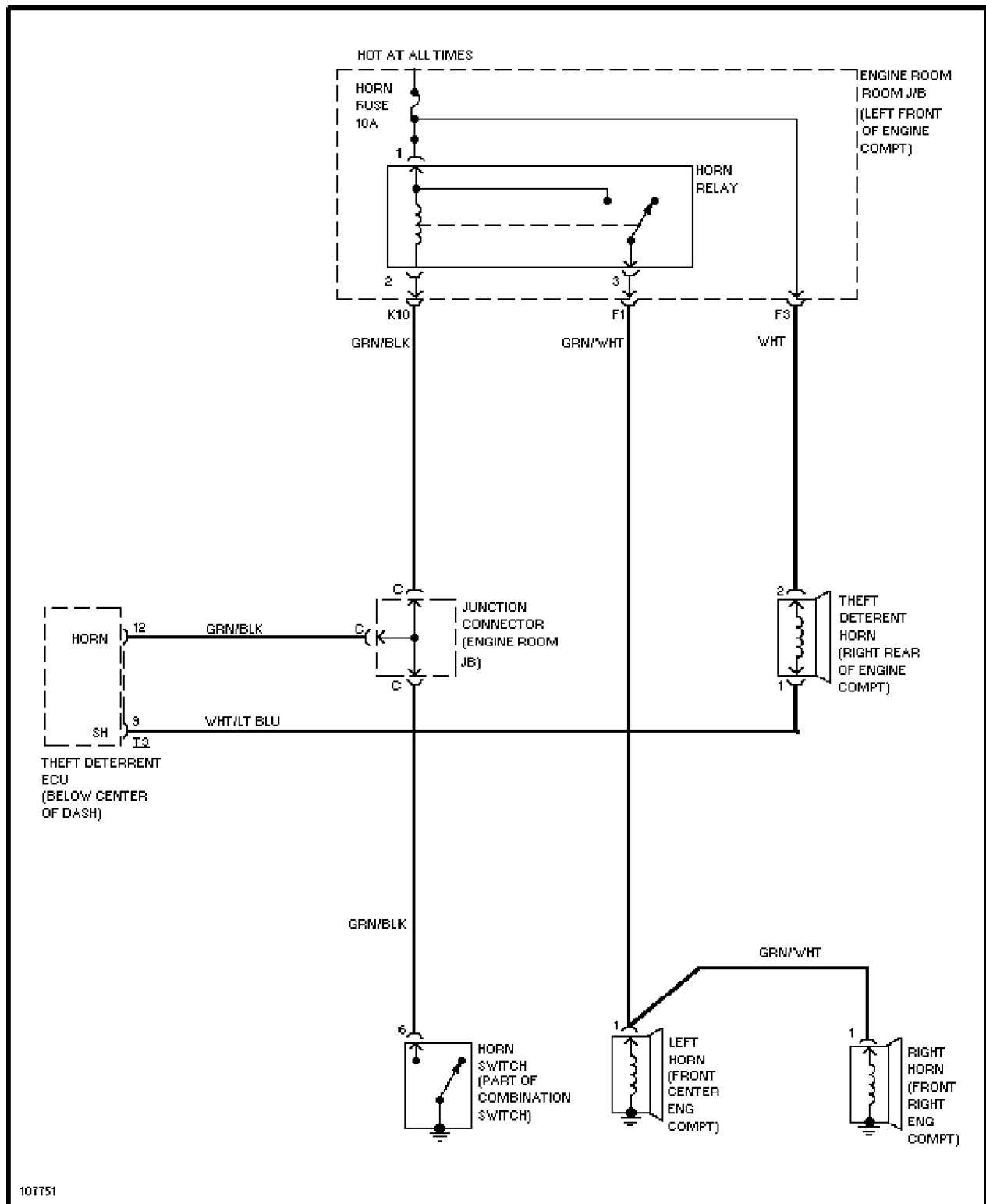


Fig. 10: Horn System Wiring Diagram (Avalon)



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Fig. 11: Horn System Wiring Diagram (Camry)

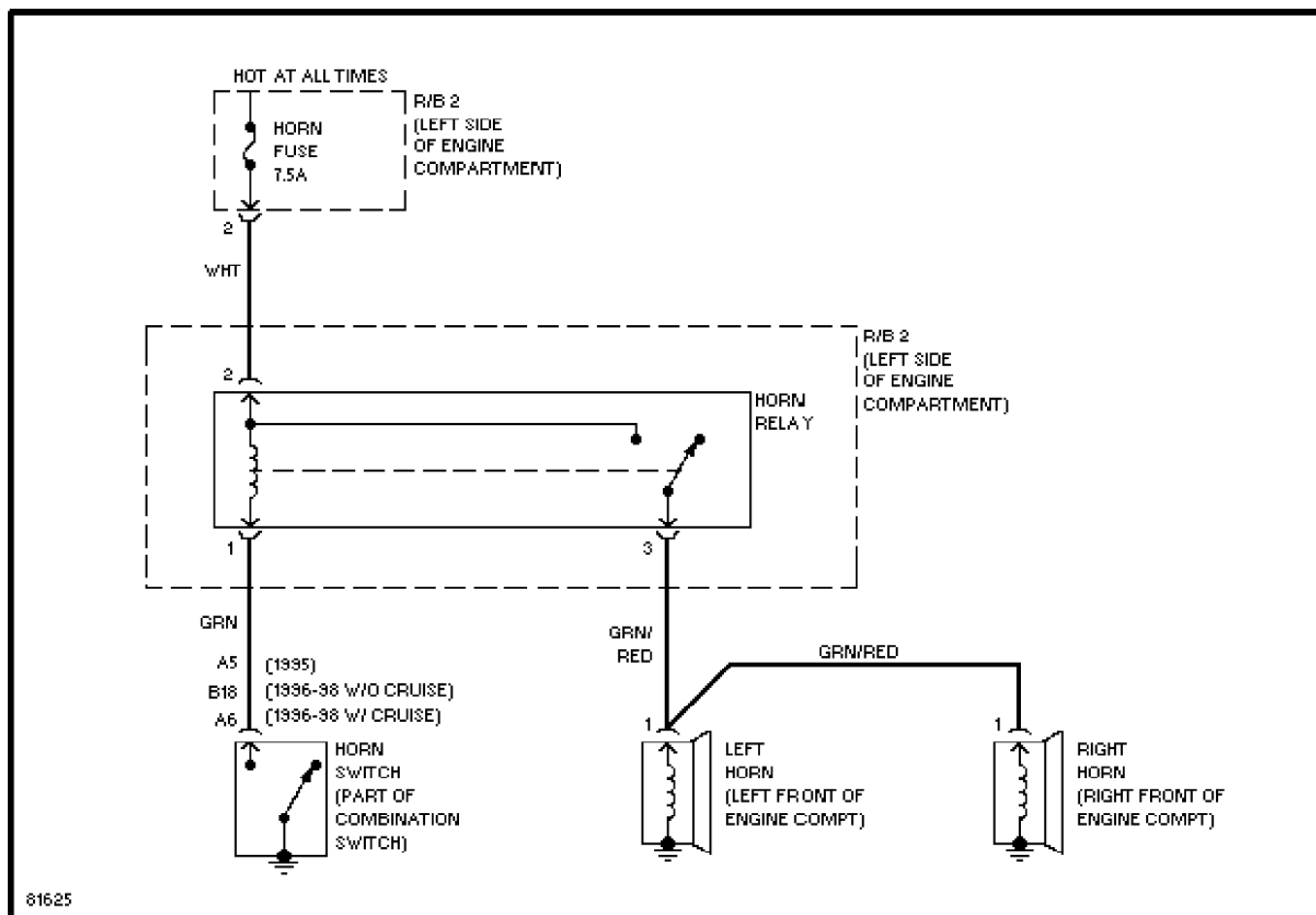


Fig. 12: Horn System Wiring Diagram (Celica)

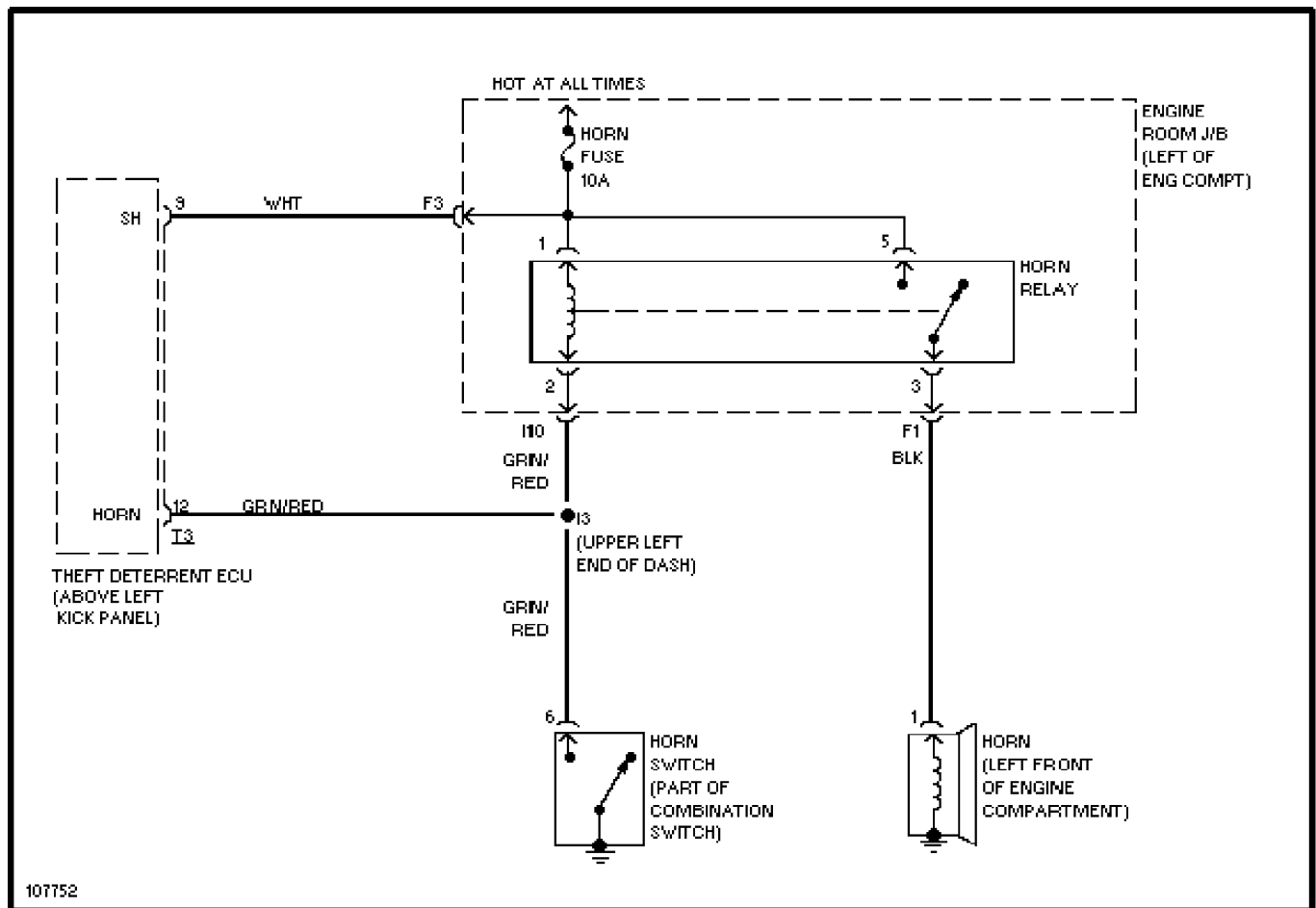


Fig. 13: Horn System Wiring Diagram (Corolla)

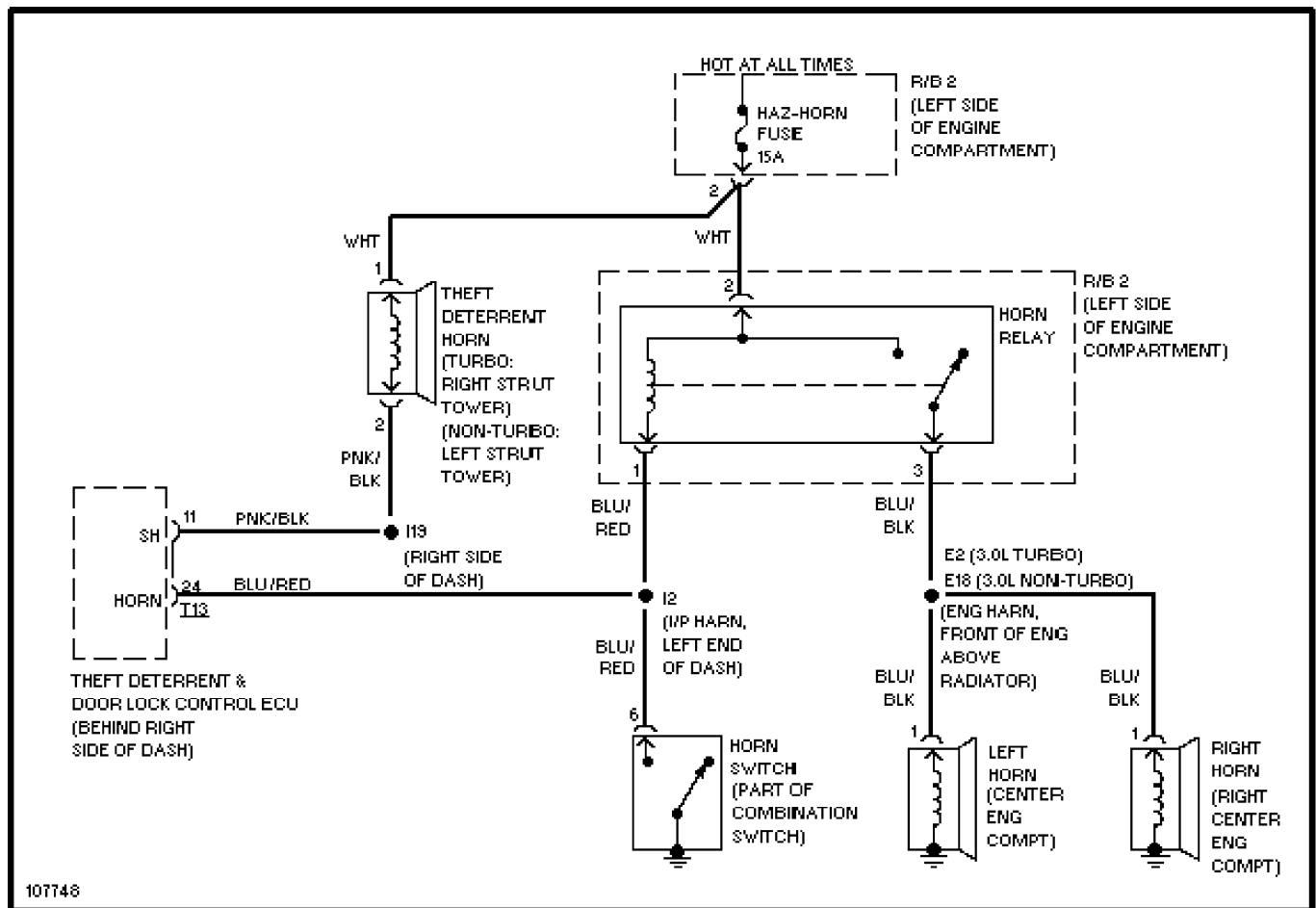


Fig. 14: Horn System Wiring Diagram (Supra)

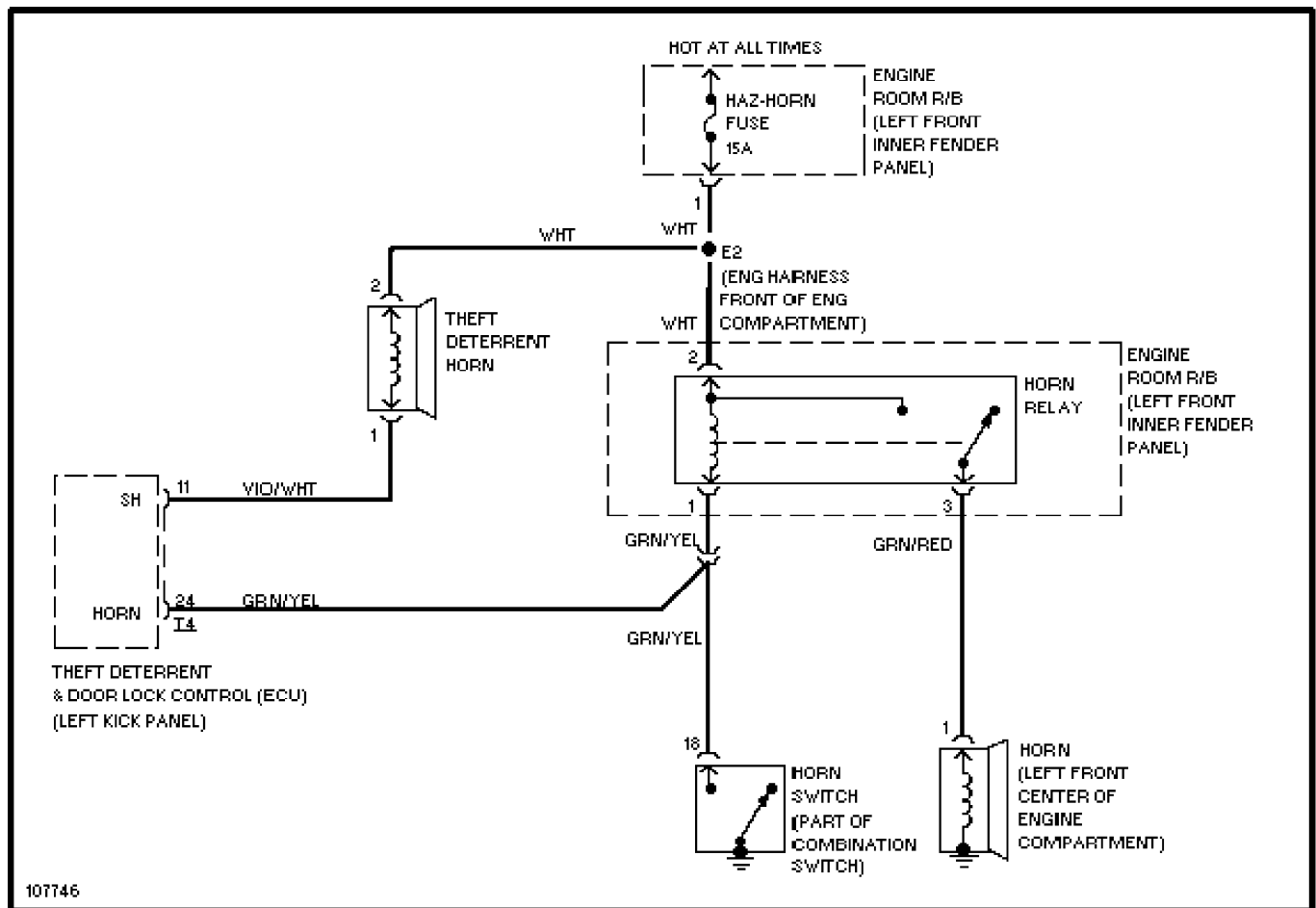


Fig. 15: Horn System Wiring Diagram (Tercel)