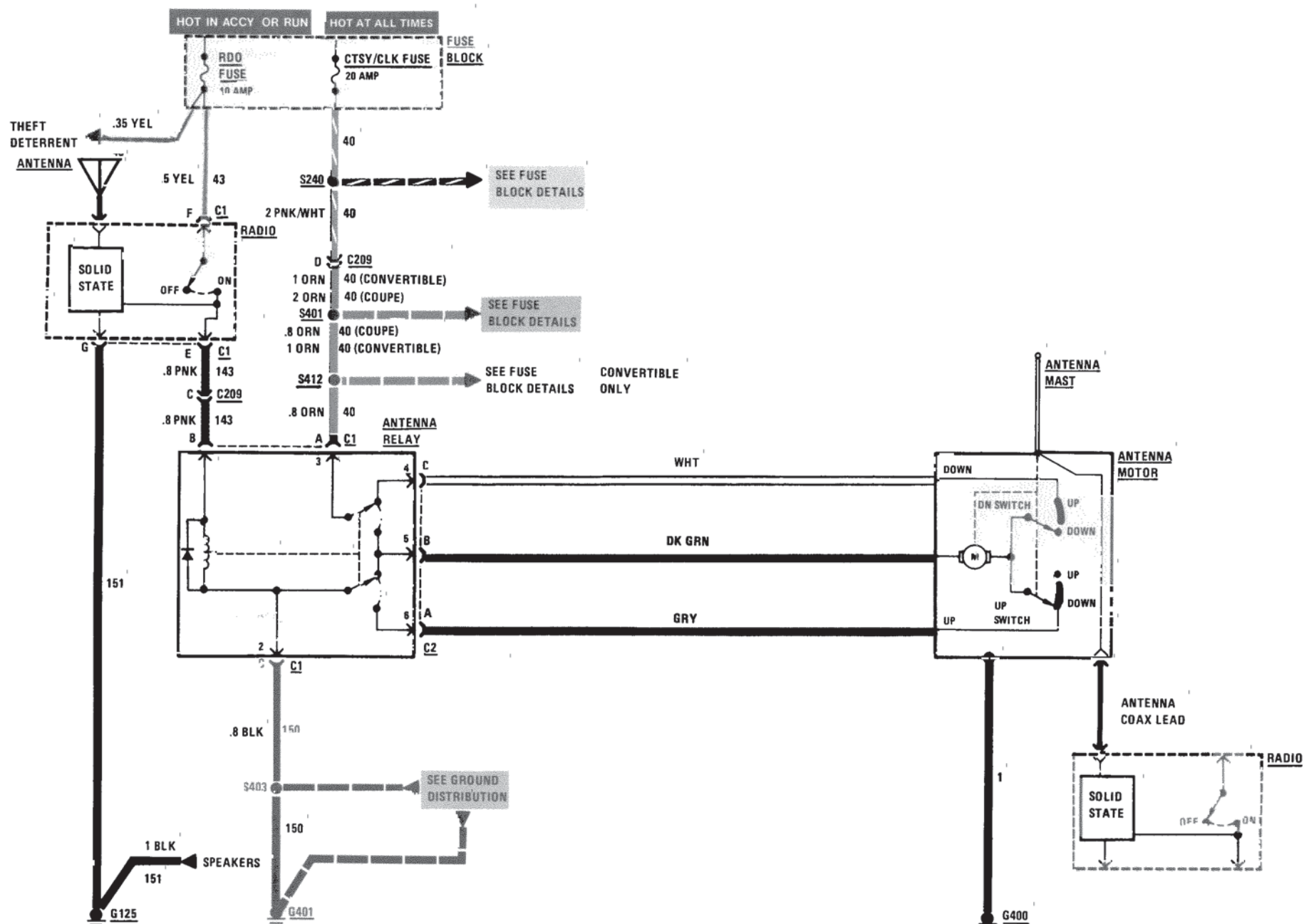




SYSTEM CHECK

1. With engine running, turn Radio On.
 - Antenna Mast rises to full height, approximately three feet.
2. With Radio playing, wiggle Antenna.
 - No ignition or vehicle noise picked up by Antenna.
 - No noise when Antenna is moved, mounting is secure.
3. Turn Radio Off.
 - Antenna Mast goes down into fender.

TROUBLESHOOTING HINTS

1. Check the RDO Fuse and CTSY/CLK Fuse. Power Antenna goes up or down part way.
 - Check Power Antenna mast for bent condition and dirt.
 - If mast is dirty and/or bent, straighten the mast and clean off dirt. Lube with light oil and check operation.
 - If mast is straight and clean, replace Antenna Motor.
3. Power Antenna goes up and down properly but the Radio does not receive.
 - Plug a replacement Antenna into the Coax Connector in the rear quarter.
 - If the Radio works with a substitute Antenna, repair or replace the Power Antenna.
 - If the Radio does not work with a substitute Antenna, check/repair Antenna Coax Lead to Radio.

COMPONENT LOCATION

		Page-Figure
Antenna Relay	Rear of car, on LH side of roof storage support ..	201-13-D
Fuse Block	In RH end of I/P	201-10-A
C209 (15 cavities)	Behind RH side of I/P, below fuse block	201-15-A
G125	Behind RH kick panel	201- 7-B
G400	On frame, above LH rear wheel	201-13-D
G401	Base of RH "B" pillar	201-15-A
S240.....	I/P harness, left of multi-use center	201-10-A
S401.....	Rear lights harness, near base of 'B' pillar	201-15-A
S403.....	Rear lights harness, near rear of RH door	201-15-A
S412.....	Rear of rear compartment, right of fuel filler.	201-13-A

SYSTEM DIAGNOSIS

1. Disconnect the connector C1, with an ORN wire from the Antenna Relay. With the Ignition Switch in RUN, measure the voltages to ground at the connector.

2. Reconnect the connector (C1) to the Antenna Relay and disconnect the connector C2 from the Antenna Relay. With the Ignition Switch in RUN, measure voltages to ground at the pins of the Antenna Relay.

VOLTAGES

ANTENNA RELAY CONNECTOR (C1)

Ignition Switch in RUN

Terminal (Wire Color)	Voltage To Ground	Radio
A (ORN)	Battery	On or Off
D (BLK)	0	On or Off
B (PNK)	Battery 0	On Off

- If a voltage is not correct, check the wiring or switch supplying that point.
- If the voltages are correct go to the next step.

VOLTAGES

ANTENNA RELAY

Ignition Switch in RUN

Terminal	Voltage	Radio
4	Battery	Off
	0	On
5	0	Off
	Battery	On
6	0	Off
	0	On

- If a voltages are not correct, replace the Antenna Relay.
- If voltages at the Antenna Relay are good, repair or replace the Power Antenna unit.

CIRCUIT OPERATION

When the Radio is turned on, voltage is available through the RDO Fuse and the Radio to the Antenna Relay coil. The coil is grounded to G401. The Antenna Relay contacts close, and Battery voltage is supplied to Antenna Motor through the CTSY/CLK Fuse, the relay contacts, and the DK GRN wire. The other motor terminal is grounded through the Up Switch, the GRY wire, and the relay contacts to G401. The motor drives the Antenna up. At the end of its travel, the Up Switch opens and the motor stops.

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