

2000 Chevrolet Corvette

2000 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers - Corvette

2000 ACCESSORIES & EQUIPMENT

Rear Window & Mirror Defoggers - Corvette

DESCRIPTION & OPERATION

CAUTION: To prevent damaging heating element, **DO NOT** scrape or apply decals to inside of rear window.

Rear window defogger system uses a switch with an integral indicator light to control the rear defogger grid and heated mirrors, located at bottom right corner of Heating Ventilation Air Conditioning (HVAC) controller. A solid state timer is used to control rear defogger cycle periods. When rear defogger switch is turned to ON position, HVAC controller sends a rear defogger on request to Body Control Module (BCM). BCM energizes relay coil by grounding rear defogger relay control circuit (White wire). When rear defogger relay is energized, battery voltage is supplied from RR DEFOG fuse (40-amp) through relay switch to rear defogger grid. Rear defogger switch and rear defogger timer are integral components of HVAC controller.

Left and right Door Control Modules (DCM) supply heated mirrors with power and ground. When DCMs receive message on serial data line indicating rear defogger is on, both DCMs will activate corresponding mirror heat by applying voltage.

COMPONENT LOCATIONS

COMPONENT LOCATIONS

Component	Location
Body Control Module (BCM)	In Right Footwell, Mounted To Toe-Board, Behind Carpet
Data link Connector (DLC)	Under Left Side Of Instrument Panel, Near Steering Column
Door Control Module (DCM)	In Bottom Center Of Corresponding Door, Rear Of Speaker
Instrument Panel Electrical Center	In Right Footwell, Mounted To Toe-Board, Behind Carpet
Rear Defogger Relay	In Instrument Panel Electrical Center

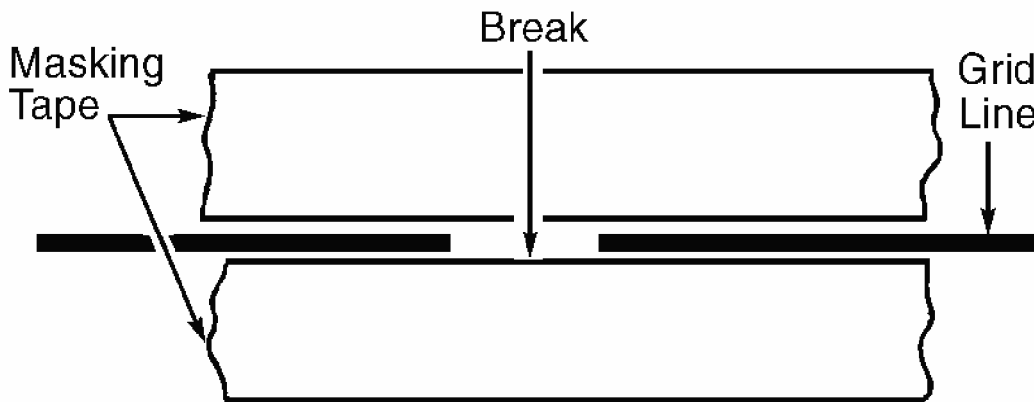
ON-VEHICLE SERVICE

GRID FILAMENT REPAIR

1. To repair grid, turn system off and disconnect negative battery cable. Gently clean area to be repaired with steel wool. Wipe area clean with denatured alcohol. Be sure to clean 1/4" (6 mm) beyond each side of break.

NOTE: At least 24 hours are required for complete curing of repair. **DO NOT** disturb repair area during this time.

2. With glass at room temperature of 70-90°F (20-32°C), position masking tape along both sides of grid line at damaged area. See **Fig. 1** . Using manufacturer's instructions, apply grid repair material to grid using fine-tip brush or small, plastic paddle. Carefully remove masking tape. Holding heat gun 1" (25 mm) from repair area, apply heat at a minimum of 200°F (93°F) for 2-3 minutes.
3. Test defogger operation to verify repair. If repair appears discolored, apply a coating of tincture of iodine. Allow iodine to dry for 30 seconds and carefully wipe off excess using lint-free cloth.



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Fig. 1: Repairing Grid Line
Courtesy of GENERAL MOTORS CORP.

TROUBLE SHOOTING

Check system related fuses and replace as necessary. Visually inspect for broken or open wires. Check for a broken or partially broken wire inside insulation which could cause system malfunction but prove good in a continuity/voltage check with system disconnected. See **WIRING DIAGRAMS** . Repair as necessary. If no problem is found, perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM.

SELF-DIAGNOSTIC SYSTEM

REAR WINDOW DEFOGGER SYSTEM CHECK

1. Connect scan tool to Data Link Connector (DLC). See **COMPONENT LOCATIONS** . If scan tool powers up, go to next step. If scan tool does not power up,

go to **SCAN TOOL DOES NOT POWER UP** under SELF-DIAGNOSTIC SYSTEM in BODY CONTROL MODULES - CORVETTE article.

2. Turn ignition on. Using scan tool, attempt to establish communication with Body Control Module (BCM) and Powertrain Control Module (PCM). If scan tool communicates with BCM and PCM, go to next step. If scan tool does not communicate with BCM and PCM, go to step 4 .
3. Using scan tool, attempt to establish communication with left side and right side Door Control Modules (DCM). If scan tool communicates with left and right DCMs, go to step 5 . If scan tool does not communicate with left and right DCMs, go to next step.
4. Perform **SCAN TOOL DOES NOT COMMUNICATE WITH CLASS 2 DEVICE** under SELF-DIAGNOSTIC SYSTEM in BODY CONTROL MODULES - CORVETTE article.
5. Using scan tool, select BCM DISPLAY DTCS function on scan tool. If scan tool displays any BCM DTCs, go to step 7 . If scan tool does not display any BCM DTCs, select PCM DISPLAY DTCS function on scan tool. If scan tool displays any PCM DTCs, go to step 10 . If scan tool does not display any PCM DTCs, go to next step.
6. Using scan tool, select LDCM and RDCM DISPLAY DTCS function on scan tool. If scan tool displays any left or right DCM DTCs, go to next step. If scan tool does not display any left or right DCM DTCs, diagnose by symptom. Go to appropriate test under **SYSTEM TESTS** .
7. If scan tool displays any DTCs that begin with "U", go to **SCAN TOOL DOES NOT COMMUNICATE WITH CLASS 2 DEVICE** under SELF-DIAGNOSTIC SYSTEM in BODY CONTROL MODULES - CORVETTE article. If scan tool does not display any DTCs that begin with "U", go to next step.
8. If scan tool displays DTC B2276 or B2277, go to **DTC B2276: LEFT DOOR LOCK MOTOR/MIRROR HEATER CIRCUIT** or **DTC B2277: RIGHT DOOR LOCK MOTOR/MIRROR HEATER CIRCUIT** under DIAGNOSTIC TESTS. If scan tool does not display DTC B2276 or B2277, go to next step.
9. If scan tool displays any DTCs that begin with "B" other than DTC B2276 or B2277, see appropriate DTC test under **DIAGNOSTIC TESTS** in POWER MIRRORS - CORVETTE article. If scan tool displays any DTCs that begin with "P", go to next step.
10. See appropriate SELF-DIAGNOSTICS article in ENGINE PERFORMANCE.

DIAGNOSTIC TESTS

NOTE: After each repair procedure has been completed, reconnect all components. Clear DTCs following instructions on scan tool. Retest operation.

DTC B2276: LEFT DOOR LOCK MOTOR/MIRROR HEATER CIRCUIT

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to next step.
2. Connect scan tool to Data Link Connector (DLC). Turn ignition on. Operate door locks while observing BATTERY 2 parameter under LH DCM DATA LIST. If reading drops by more than 5 volts when door locks are activated, go to step 4 . If reading drops by 5 volts or less when door locks are activated, go to next step.
3. Operate rear defogger/heated mirrors while observing BATTERY 2 parameter under LH DCM DATA LIST. If reading drops by more than 5 volts when rear defogger/heated mirrors are activated, go to step 5 . If reading drops by 5 volts or less when door locks are activated, check for intermittent short to ground or voltage in left door lock circuit or heated mirror circuit. See **WIRING DIAGRAMS** . If left door lock and heated mirror wiring checks okay, check for internal short in left door lock motor or mirror heater. Repair as necessary and retest operation.
4. Turn ignition off. Disconnect Black 2-pin left door latch electrical connector. Remove door trim panel for access to door latch electrical connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Connect test light between Black 2-pin left door latch electrical connector terminals "A" (Tan wire) and "B" (Gray wire). Turn ignition on. Operate door lock switch to LOCK and UNLOCK positions while observing test light. If test light illuminates when activating door lock switch to both positions, go to step 9 . If test light does not illuminate when activating door lock switch to both positions, go to step 6 .
5. Turn ignition off. Disconnect Black 8-pin left mirror connector. Remove door trim panel and door speaker for access to mirror connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Connect test light between Black 8-pin left mirror connector terminals "B" (Black wire) and "E" (Orange wire). Turn ignition on. Operate rear defogger/heated mirror switch to ON position while observing test light. If test light illuminates, go to step 10 . If test light does not illuminate, go to step 7 .
6. Check for short to ground or voltage in Tan wire between Black 2-pin left door latch electrical connector terminal "A" and Black 6-pin Left Door Control Module (LDCM) connector terminal "D". Check for short to ground or voltage in Gray wire between Black 2-pin left door latch electrical connector terminal "B" and Green 6-pin Left Door Control Module (LDCM) connector terminal "B". Repair as necessary. If Tan and Gray wires check okay, go to step 8 .
7. Check for short to ground or voltage in Orange wire between Black 8-pin left mirror connector terminal "E" and Black 6-pin Left Door Control Module (LDCM) connector terminal "B". Check for short to ground or voltage in Black wire between Black 8-pin left mirror connector terminal "B" and Black 6-pin Left Door Control Module (LDCM) connector terminal "F". Repair as necessary. If Orange and Black wires check okay, go to next step.
8. Replace LDCM. See **DOOR CONTROL MODULE (DCM)** under REMOVAL & INSTALLATION.

9. Replace left door latch. See **DOOR LATCH** under REMOVAL & INSTALLATION.
10. Replace left mirror. See **POWER MIRROR ASSEMBLY** under REMOVAL & INSTALLATION.

DTC B2277: RIGHT DOOR LOCK MOTOR/MIRROR HEATER CIRCUIT

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to next step.
2. Connect scan tool to Data Link Connector (DLC). Turn ignition on. Operate door locks while observing BATTERY 2 parameter under RH DCM DATA LIST. If reading drops by more than 5 volts when door locks are activated, go to step 4 . If reading drops by 5 volts or less when door locks are activated, go to next step.
3. Operate rear defogger/heated mirrors while observing BATTERY 2 parameter under RH DCM DATA LIST. If reading drops by more than 5 volts when rear defogger/heated mirrors are activated, go to step 5 . If reading drops by 5 volts or less when door locks are activated, check for intermittent short to ground or voltage in right door lock circuit or heated mirror circuit. See **WIRING DIAGRAMS** . If right door lock and heated mirror wiring checks okay, check for internal short in right door lock motor or mirror heater. Repair as necessary and retest operation.
4. Turn ignition off. Disconnect Black 2-pin right door latch electrical connector. Remove door trim panel for access to door latch electrical connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Connect test light between Black 2-pin right door latch electrical connector terminals "A" (Tan wire) and "B" (Gray wire). Turn ignition on. Operate door lock switch to LOCK and UNLOCK positions while observing test light. If test light illuminates when activating door lock switch to both positions, go to step 9 . If test light does not illuminate when activating door lock switch to both positions, go to step 6 .
5. Turn ignition off. Disconnect Black 8-pin right mirror connector. Remove door trim panel and door speaker for access to mirror connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Connect test light between Black 8-pin right mirror connector terminals "B" (Black wire) and "E" (Orange wire). Turn ignition on. Operate rear defogger/heated mirror switch to ON position while observing test light. If test light illuminates, go to step 10 . If test light does not illuminate, go to step 7 .
6. Check for short to ground or voltage in Tan wire between Black 2-pin right door latch electrical connector terminal "A" and Black 6-pin Right Door Control Module (RDCM) connector terminal "D". Check for short to ground or voltage in Gray wire between Black 2-pin right door latch electrical connector terminal "B" and Green 6-pin Right Door Control Module (RDCM) connector terminal "B". Repair as necessary. If Tan and Gray wires check okay, go to step 8 .
7. Check for short to ground or voltage in Orange wire between Black 8-pin right mirror connector terminal "E" and Black 6-pin Right Door Control Module (RDCM)

connector terminal "B". Check for short to ground or voltage in Black wire between Black 8-pin right mirror connector terminal "B" and Black 6-pin Right Door Control Module (RDCM) connector terminal "F". Repair as necessary. If Orange and Black wires check okay, go to next step.

8. Replace RDCM. See **DOOR CONTROL MODULE (DCM)** under REMOVAL & INSTALLATION.
9. Replace right door latch. See **DOOR LATCH** under REMOVAL & INSTALLATION.
10. Replace right mirror. See **POWER MIRROR ASSEMBLY** under REMOVAL & INSTALLATION.

SYSTEM TESTS

NOTE: Before testing, ensure fuses and circuit breakers are okay and ground connections are clean and tight. Leave electrical connectors attached and backprobe terminals unless specified otherwise. For references to connectors and terminals, see appropriate wiring diagram. See **WIRING DIAGRAMS** .

LEFT HEATED MIRROR INOPERATIVE

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to next step.
2. Ensure engine is running and rear defogger is on. Wait approximately 5 minutes for mirrors to heat. If left mirror heats for approximately 10 minutes, system is okay at this time. If left mirror does not heat for approximately 10 minutes, go to next step.
3. Turn ignition off. Disconnect left mirror connector. Remove door trim panel as necessary for access to mirror connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Start engine. Connect test light between Orange and Black wire terminals at mirror harness connector. Turn rear defogger switch on. If test light illuminates for 10 minutes, go to step 5 . If test light does not illuminate, go to next step.
4. Check for open or short in Orange and Black wires between left mirror and Left Door Control Module (LDCM). See **WIRING DIAGRAMS** . Repair as necessary and retest system. If Orange and Black wires are okay, go to step 6 .
5. Replace left mirror. See **POWER MIRROR ASSEMBLY** under REMOVAL & INSTALLATION. Retest system.
6. Replace LDCM. See **DOOR CONTROL MODULE** under REMOVAL & INSTALLATION. Retest system.

RIGHT HEATED MIRROR INOPERATIVE

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-

DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to next step.

2. Ensure engine is running and rear defogger is on. Wait approximately 5 minutes for mirrors to heat. If right mirror heats for approximately 10 minutes, system is okay at this time. If right mirror does not heat for approximately 10 minutes, go to next step.
3. Turn ignition off. Disconnect right mirror connector. Remove door trim panel as necessary for access to mirror connector. See **DOOR TRIM PANEL** under REMOVAL & INSTALLATION. Start engine. Connect test light between Orange and Black wire terminals at mirror harness connector. Turn rear defogger switch on. If test light illuminates for approximately 10 minutes, go to step 5 . If test light does not illuminate, go to next step.
4. Check for open or short in Orange and Black wires between right mirror and Right Door Control Module (RDCM). See **WIRING DIAGRAMS** . Repair as necessary and retest system. If Orange and Black wires are okay, go to step 6 .
5. Replace right mirror. See **POWER MIRROR ASSEMBLY** under REMOVAL & INSTALLATION. Retest system.
6. Replace RDCM. See **DOOR CONTROL MODULE** under REMOVAL & INSTALLATION. Retest system.

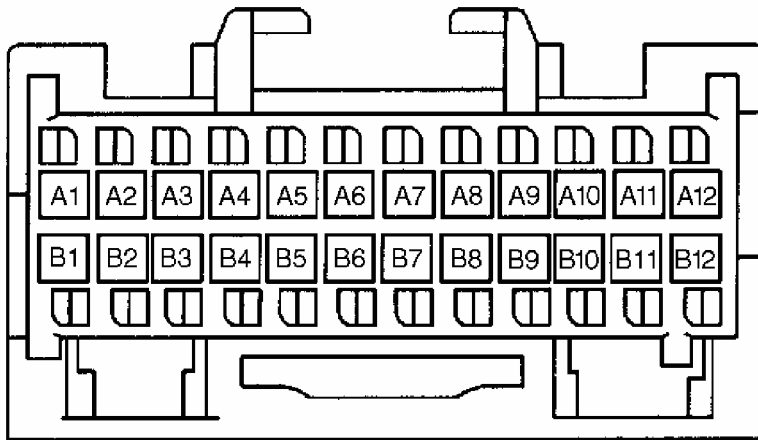
REAR DEFOGGER INOPERATIVE (MANUAL A/C)

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to next step.
2. Connect scan tool to Data Link Connector (DLC). See **COMPONENT LOCATIONS** . Using scan tool, select BCM INPUT DISPLAY DATA 2 screen. Turn rear defogger on (press and release rear defogger switch button once). If scan tool displays REAR DEFOG RELAY as ACTIVE, go to step 4 . If scan tool does not display REAR DEFOG RELAY as ACTIVE, go to next step.
3. Select BCM OUTPUT CONTROLS. Attempt to activate rear window defogger relay using scan tool. If scan tool displays REAR DEFOG RELAY as ACTIVE, go to step 10 . If scan tool does not display REAR DEFOG RELAY as ACTIVE, go to step 12 .
4. Inspect RR DEFOG mini-fuse No. 48 (40-amp), located in instrument panel electrical center. See **COMPONENT LOCATIONS** . If RR DEFOG fuse is open, go to next step. If fuse is okay, go to step 6 .
5. Repair short to ground in Purple wire (coupe models) or Black wire (all other models) between defogger grid and instrument panel electrical center. See **WIRING DIAGRAMS** . After repairs, go to step 13 .
6. Check for open or high resistance in Purple wire (coupe models) or Black wire (all other models) between defogger grid and instrument panel electrical center. See **WIRING DIAGRAMS** . Repair as necessary. After repairs, go to step 13 . If Purple wire or Black wire is okay, go to next step.

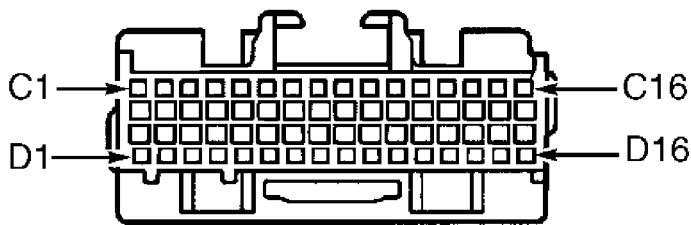
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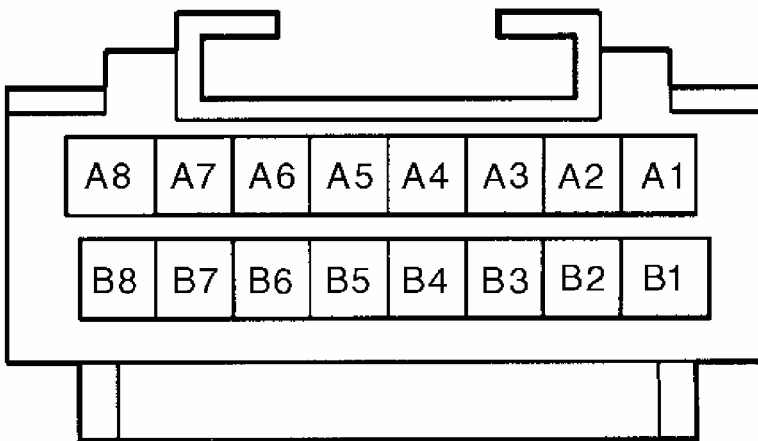
7. Check for open or high resistance in Black wire between defogger grid and ground connection located behind left seat. See **WIRING DIAGRAMS** . Repair as necessary. After repairs, go to step 13 . If Black wire is okay, go to next step.
8. Perform **GRID FILAMENT TEST** under COMPONENT TESTS. After repair, go to step 13 . If grid filament tests okay, go to next step.
9. Replace RR DEFOG mini-relay No. 44, located in instrument panel electrical center. See **COMPONENT LOCATIONS** . After replacing relay, go to step 13 .
10. Disconnect BCM harness connector. See **COMPONENT LOCATIONS** . Check for high resistance, open or short to ground in Purple wire between Heating Ventilation Air Conditioning (HVAC) controller connector terminal "D" and Pink 32-pin BCM connector C2 terminal C10. See **Fig. 2** . See **WIRING DIAGRAMS** . Repair as necessary. After repair, go to step 13 . If Purple wire is okay, go to next step.
11. Replace HVAC controller. See **HVAC CONTROLLER** under REMOVAL & INSTALLATION. After replacing HVAC controller, go to step 13 .
12. Replace and reprogram BCM. Go to **BODY CONTROL MODULE (BCM)** under REMOVAL & INSTALLATION in BODY CONTROL MODULES - CORVETTE article. After replacing BCM, go to next step.
13. Using scan tool, clear any DTCs that may have set. Operate system to verify repair. If condition still exists, go to **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM.



C-1 (PINK)



C-2 (PINK)



C-3 (GREEN)

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Fig. 2: Identifying BCM Connector Terminals (C1, C2 & C3)
 Courtesy of GENERAL MOTORS CORP.

REAR DEFOGGER INOPERATIVE (AUTOMATIC A/C)

1. Perform **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM. If rear window defogger system check was performed, go to

next step.

2. Connect scan tool to Data Link Connector (DLC). Using scan tool, select BCM INPUT DISPLAY DATA 2 screen. Turn rear defogger on (press and release rear defogger switch button once). If scan tool displays REAR DEFOG RELAY as ACTIVE, go to step 4 . If scan tool does not display REAR DEFOG RELAY as ACTIVE, go to next step.
3. Using scan tool, select BCM OUTPUT CONTROLS. Attempt to activate rear window defogger relay using scan tool. If scan tool displays REAR DEFOG RELAY as ACTIVE, go to step 10 . If scan tool does not display REAR DEFOG RELAY as ACTIVE, go to step 11 .
4. Inspect RR DEFOG mini-fuse No. 48 (40-amp), located in instrument panel electrical center. See **COMPONENT LOCATIONS** . If RR DEFOG fuse is open, go to next step. If fuse is okay, go to step 6 .
5. Repair short to ground in Purple wire (coupe models) or Black wire (all other models) between defogger grid and instrument panel electrical center. See **WIRING DIAGRAMS** . After repairs, go to step 12 .
6. Check for open or high resistance in Purple wire (coupe models) or Black wire (all other models) between defogger grid and instrument panel electrical center. See **WIRING DIAGRAMS** . Repair as necessary. After repairs, go to step 12 . If Purple wire or Black wire is okay, go to next step.
7. Check for open or high resistance in Black wire between defogger grid and ground connection located behind left seat. See **WIRING DIAGRAMS** . Repair as necessary. After repairs, go to step 12 . If Black wire is okay, go to next step.
8. Perform **GRID FILAMENT TEST** under COMPONENT TESTS. After repair, go to step 12 . If grid filament tests okay, go to next step.
9. Replace RR DEFOG mini-relay No. 44, located in instrument panel electrical center. See **COMPONENT LOCATIONS** . After replacing relay, go to step 12 .
10. Replace Heating Ventilation Air Conditioning (HVAC) controller. See **HVAC CONTROLLER** under REMOVAL & INSTALLATION. After replacing HVAC controller, go to step 12 .
11. Replace and reprogram BCM. Go to **BODY CONTROL MODULE (BCM)** under REMOVAL & INSTALLATION in BODY CONTROL MODULES - CORVETTE article. After replacing BCM, go to next step.
12. Using scan tool, clear any DTCs that may have set. Operate system to verify repair. If condition still exists, go to **REAR WINDOW DEFOGGER SYSTEM CHECK** under SELF-DIAGNOSTIC SYSTEM.

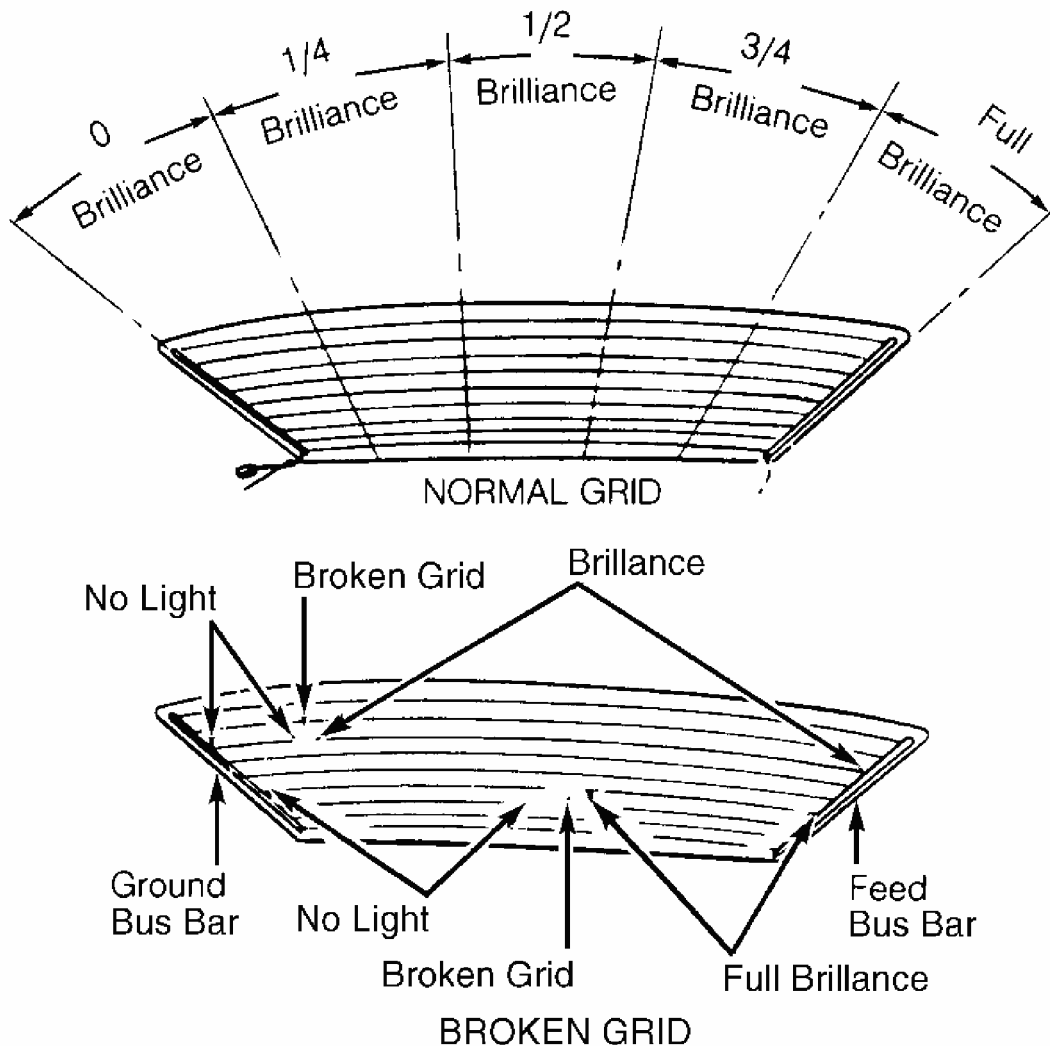
COMPONENT TESTS

GRID FILAMENT TEST

1. Start engine. Turn rear defogger on (press and release rear defogger switch button

once). Using grounded test light, lightly touch each grid line. Test light brilliance should gradually decrease as test light probe is moved from left to right side of grid. If test light shows full brilliance at both ends of all grid lines, check for loose ground wire.

- Contact each grid line a few inches on either side of glass center line to eliminate possibility of missing a break in grid line. If a problem on a grid line is detected, place test light probe on grid line at feed bus bar and move probe toward ground bus bar until light goes out, indicating a break in grid line continuity. See **Fig. 3**. If break exists in grid line, go to **GRID FILAMENT REPAIR** under ON-VEHICLE SERVICE.



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Fig. 3: Examining Grid Brilliance Test Patterns
 Courtesy of GENERAL MOTORS CORP.

REMOVAL & INSTALLATION

WARNING: Before servicing instrument panel components on vehicles with Supplemental Inflatable Restraint (SIR) system, disable SIR system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** in appropriate **AIR BAG RESTRAINT SYSTEMS** article.

DOOR CONTROL MODULE (DCM)

Removal & Installation

NOTE: When replacing Door Control Module (DCM) on hardtop models, DCM must be programmed using a scan tool.

Remove door trim panel. See **DOOR TRIM PANEL** . Remove DCM mounting screws. Disconnect DCM electrical connectors and remove DCM from door. To install, reverse removal procedure. Tighten DCM mounting screws to specification. See **TORQUE SPECIFICATIONS** . Using scan tool, select LDCM if left door control module was replaced, or RDCM if right door control module was replaced. Using scan tool, select DCM REPROGRAM. Follow scan tool instructions to program DCM.

DOOR LATCH

Removal & Installation

1. Remove door trim panel. See **DOOR TRIM PANEL** . Remove water deflector. Pry up rear edge of driver's window switch or front edge of passenger's window switch. Slide driver's window switch rearward or passenger's window switch forward and remove from door trim panel. Connect window switch to electrical connector. Turn ignition on. Raise appropriate window. Turn ignition off. Disconnect window switch.
2. Disconnect lock rod from outside door lock cylinder. Disconnect door latch electrical connectors. Disconnect outside handle opening rod from door latch. It may be necessary to cut base of clip off using side cutters and unscrewing clip from rod. Remove door latch-to-door retaining screws.
3. Remove inside door handle-to-door retaining screw, located behind manual locking lever. Squeeze rear mounting tabs and unsnap rear of inside door handle from door. Slide inside door handle rearward out of slot. Dislodge lock rods from anti-rattle retainers on door. Open inside door handle fully and remove lock rods. Set inside door handle aside.
4. Remove door latch with remaining opening rods attached. Note position of each opening rod and transfer to new door latch, using NEW retaining clips. Position door latch and install upper retaining screw first. To complete installation, reverse removal procedure. Tighten fasteners to specification. See **TORQUE SPECIFICATIONS** .

DOOR TRIM PANEL

Removal & Installation

CAUTION: Lower door panel retainers are 2-piece. Male fastener is attached to door panel and female retainer is attached to door. To avoid breaking door panel fasteners, pry between male fastener and female retainer. Do not pry between head of female retainer and door.

Lower appropriate door window. Pull inside door handle to open position. Insert screwdriver into lower opening of inside door handle bezel. Release locking tabs on inside door handle bezel. Remove inside door handle bezel. Remove pull handle plug for access to 2 door panel screws. Remove 2 screws from behind pull handle plug. Pry lower door panel male fasteners loose from female retainers in door. Lift door panel up and off the upper retainers. Disconnect electrical connectors from door panel. To install, reverse removal procedure.

HEATING VENTILATION AIR CONDITIONING (HVAC) CONTROLLER**Removal & Installation**

1. On models equipped with manual A/C system, disengage kick-up panel upper latches at right footwell area. Open kick-up panel. Lift kick-up panel up from multi-use relay bracket. Set kick-up panel aside. Remove cover from instrument panel electrical center. Remove HVAC CON mini-fuse from instrument panel electrical center.
2. On all models, disconnect negative battery cable. Apply parking brake. Place shift lever in second gear (automatic) or forth gear (manual). On convertible models, open folding top stowage compartment lid. Remove 2 lower retaining screws from either side of stowage compartment lid extension panel. Remove 2 upper retaining screws from top of stowage compartment lid extension panel. Lift stowage compartment lid extension panel upward from bracket.
3. On all models, open console door. Gently pull up on rear of electronic traction control/ride control switch to release retaining clips. Disconnect electrical connector from switch. Disconnect LED connector from wiring harness. Remove electronic traction control/ride control switch.
4. Using flat-bladed tool, carefully remove console retaining nut covers. Remove retaining nuts at rear of console. Remove retaining nuts at front of console and instrument panel accessory trim plate. Lift rear of console up slightly and pull rearward to release front of console from under instrument panel accessory trim plate.
5. Disconnect accessory plug electrical connector. Unscrew accessory plug retainer. Remove accessory plug housing from console. Disconnect electrical connectors from fuel door release and rear lift window release switch. Turn console over. Remove fuel door release switch and rear lift window release switch from console by releasing switch tabs using small flat-bladed tool. Remove console from vehicle.
6. On models equipped with manual transmission, grasp shift control boot and apply light pressure in toward shift control lever to release shift boot retaining tabs from

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instrument panel accessory trim plate.

7. On all models, open cigar lighter door and remove ashtray. Gently pry at side edge of instrument panel accessory trim plate grille with flat-bladed screwdriver to release locking tab. Remove instrument panel accessory trim plate grille. Remove instrument panel accessory trim plate retaining screws from next to cigar lighter and behind ashtray. Remove instrument panel accessory trim plate retaining screw from instrument panel accessory trim plate grille opening.
8. Grasp sides of instrument panel accessory trim plate near curve at base. Pull rearward on instrument panel accessory trim plate to release locking tabs. Lift rear of instrument panel accessory trim plate to clear driveline tunnel studs. Disconnect electrical connector from cigar lighter.
9. On models equipped with manual transmission, rotate shift control boot and reposition one end down into shifter opening of instrument panel accessory trim plate. On all models, lift instrument panel accessory trim plate over shifter to remove.
10. Remove HVAC controller mounting screws. Slide HVAC controller out from instrument panel to access electrical and vacuum harnesses. Disconnect electrical and vacuum harnesses. Remove HVAC controller.
11. To install, reverse removal procedure. Tighten fasteners to specification. See **TORQUE SPECIFICATIONS** . Program transmitters. See **PROGRAMMING** in **REMOTE KEYLESS ENTRY SYSTEMS - CORVETTE** article.

POWER MIRROR ASSEMBLY

Removal & Installation

Remove door trim panel. See **DOOR TRIM PANEL** . Remove water deflector. Remove door speaker assembly. Remove mirror nut access plugs. Disconnect mirror electrical connector(s). Disconnect mirror wiring harness from retainers. Remove nuts from mirror studs. Remove mirror along with harness and gasket. To install, reverse removal procedure. Tighten fasteners to specification. See **TORQUE SPECIFICATIONS** .

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Application	INCH Lbs. (N.m)
Console Retaining Nuts	89 (10)
Door Control Module (DCM) Mounting Screws	27 (3)
Door Latch Retaining Screws	89 (10)
HVAC Controller Mounting Screws	17 (1.9)
Inside Door Handle Retaining Screw	44 (5.0)
Instrument Panel Accessory Trim Plate Retaining Screws	17 (1.9)
Mirror Mounting Nuts	89 (10)

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Speaker Assembly Mounting Screws	22 (2.5)
Stowage Compartment Lid Extension Panel Retaining Screws	35 (4)

WIRING DIAGRAMS

2000 Chevrolet Corvette

2000 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers - Corvette

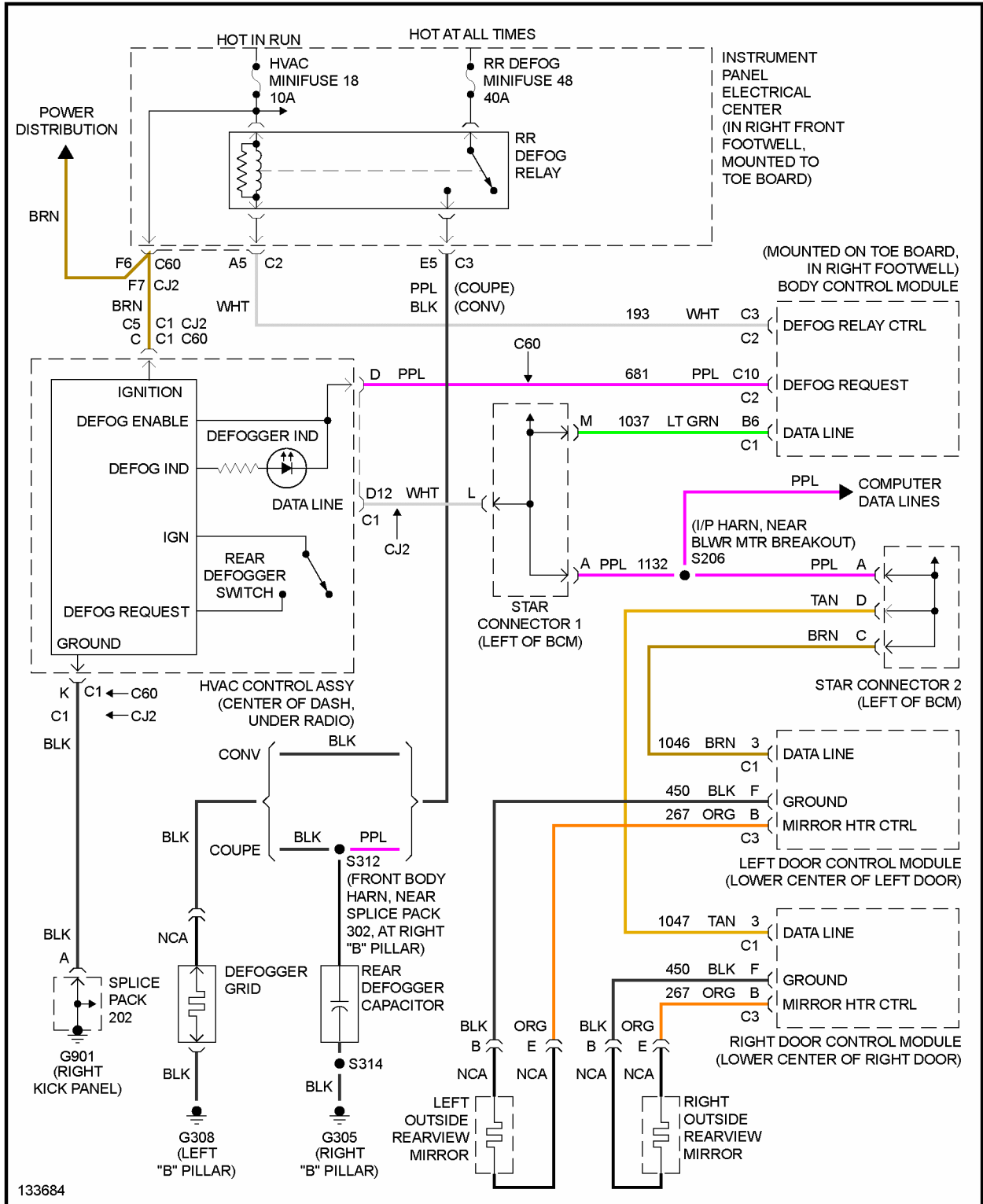


Fig. 4: Defogger System Wiring Diagram (Corvette)