DEFOGGER - REAR WINDOW

1992 Subaru SVX

1992 SAFETY EQUIPMENT
Rear Window Defoggers

Justy, Legacy, Loyale, SVX

DESCRIPTION & OPERATION

JUSTY

Fuse No. 11 in passenger compartment fuse block supplies power to rear defogger switch. When rear defogger switch is turned on, circuit to ground is completed through rear defogger grid. Indicator light on instrument cluster comes on when rear defogger is on.

LEGACY

When rear defogger switch is turned on, solenoid circuit of rear defogger relay is grounded. This allows power supply to defogger grid.

LOYALE

Except 3-Door Model
When rear defogger switch is turned on, solenoid circuit of rear defogger relay is grounded. This allows power supply to defogger grid. Indicator light on instrument cluster comes on when rear defogger is on.

3-Door Model
When rear defogger switch is turned on, rear defogger timer grounds solenoid circuit of rear defogger relay. This allows power supply to defogger grid. Indicator light on instrument cluster comes on when defogger is on. When defogger has been on for about 18 minutes, rear defogger timer removes ground from rear defogger relay solenoid circuit. This interrupts power supply to defogger grid.

SVX

When rear defogger switch is turned on, time control unit grounds solenoid circuit of rear defogger relay. This allows power supply to defogger grid. Indicator light in rear defogger switch comes on when defogger is on. When defogger has been on for designated period of time, rear defogger timer removes ground from rear defogger relay solenoid circuit. This interrupts power supply to defogger grid.

ELECTRICAL COMPONENT LOCATIONS

Component	Location
Main Fuse Block	Left Front Inner Fender
Passenger Compartment Fuse Block	Left End Of Dash
Rear Defogger Relay	
Legacy & SVX	Behind Left End Of Dash, In Fuse/Relay Block
Loyale	Behind Left End Of Dash (Relay Is Blue)
Rear Defogger Timer (Loyale 3-Door)	Left Rear Corner Of Trunk
Time Control Unit (SVX)	Behind Right End Of Dash

TROUBLE SHOOTING

REAR DEFOGGER INOPERATIVE

Justy

Check fuse. If fuse is okay, check rear defogger switch. See REAR DEFOGGER SWITCH under TESTING. If switch is okay, check grid filament. See GRID FILAMENT under TESTING. If grid filament is okay, check grid filament ground. If grid filament ground is okay, repair wiring harness.

Legacy

Check fuse. If fuse is okay, check rear defogger switch. See REAR DEFOGGER SWITCH under TESTING. If switch is okay, check rear defogger relay. If relay is okay, check grid filament. See GRID FILAMENT under TESTING. If grid filament is okay, check grid filament ground. If grid filament ground is okay, repair wiring harness.

Loyale

Check fuse. If fuse is okay, check rear defogger switch. See REAR DEFOGGER SWITCH under TESTING. If switch is okay, check rear defogger relay. If relay is okay, check grid filament. See GRID FILAMENT under TESTING. If grid filament is okay, check grid filament ground. On all except 3-door vehicles, if grid filament ground is okay, repair wiring harness. On 3-door vehicles, if wiring harness is okay, replace rear defogger timer.

SVX

Check fuse. If fuse is okay, check rear defogger switch. See REAR DEFOGGER SWITCH under TESTING. If switch is okay, check rear defogger relay. If relay is okay, check grid filament. See GRID FILAMENT under TESTING. If grid filament is okay, check grid filament ground. If grid filament ground is okay, check wiring harness. If wiring harness is okay, replace time control unit.

REAR DEFOGGER SWITCH TESTING

Disconnect switch connector. Turn on rear defogger switch. Check continuity between specified wire terminals of rear defogger switch connector. See REAR DEFOGGER SWITCH CONTINUITY TEST table. Replace switch if continuity is not as specified.

REAR DEFOGGER SWITCH CONTINUITY TEST

Application	Wire Colors
Justy	Blue/Yellow & Blue/Yellow
Legacy	Black/Blue & Black
Loyale	Blue/White & Green
SVX	Green/White & Black

GRID FILAMENT TESTING

Start engine. Turn on rear defogger switch. Using a DVOM, measure voltage between ground and center point of each grid line. If DVOM indicates 6 volts, grid line is okay. If DVOM indicates 12 volts or zero volts, grid line is broken. To find broken section, move DVOM positive lead along suspected grid line until sudden change in voltage is indicated.

ON-VEHICLE SERVICE

GRID FILAMENT REPAIR

Clean broken area of grid line with alcohol. Place masking tape along both sides of grid line area to be repaired. See Fig. 1. Thoroughly mix small amount of repair agent (DuPont paste No. 4817). Apply agent to grid line break area, overlapping each end of line about 3/4". After a few minutes drying time, carefully remove tape from line edges. DO NOT touch repaired area for 24 hours.

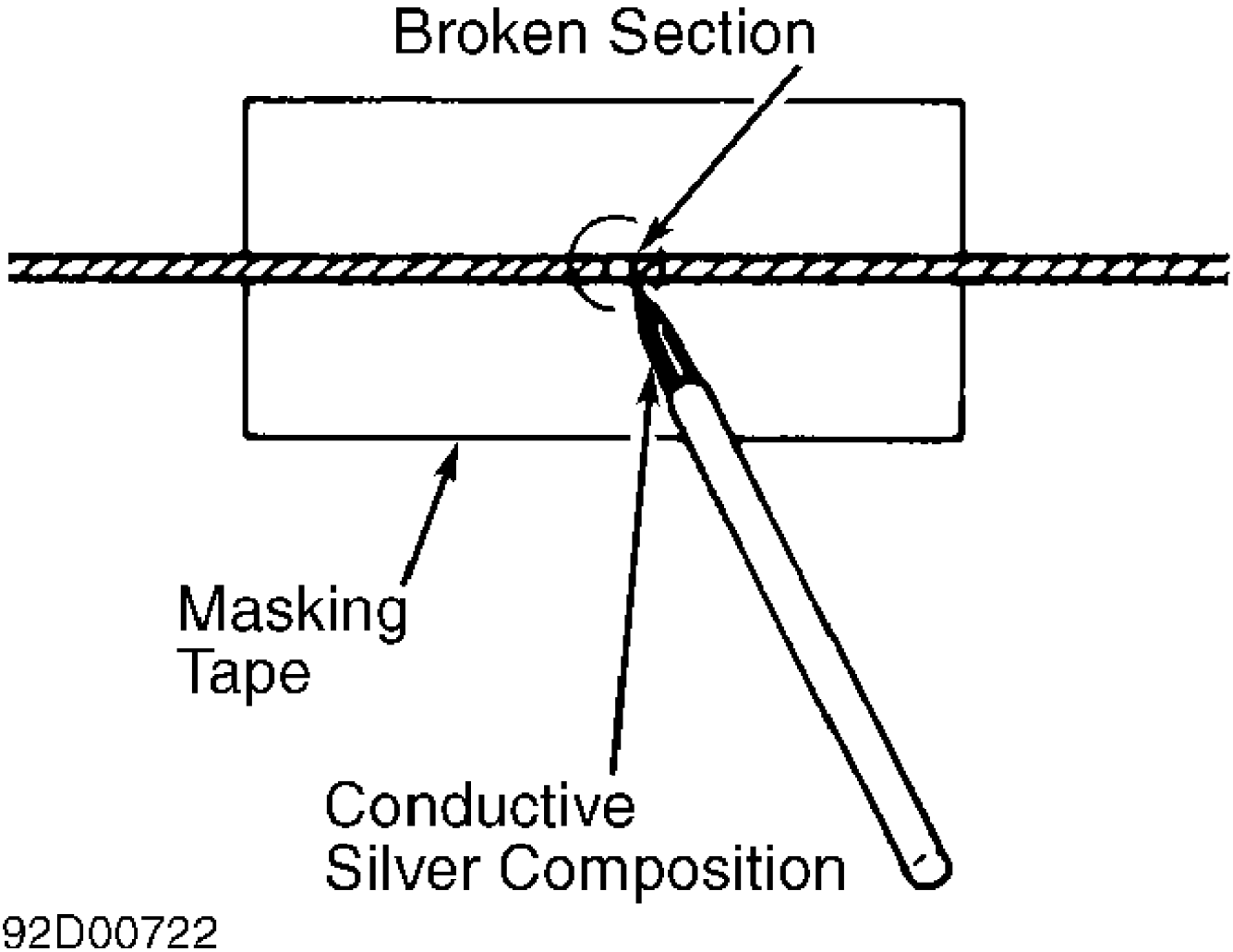

Fig. 1: Repairing Rear Defogger Grid Line

REMOVAL & INSTALLATION

DEFOGGER SWITCH

Justy

Disconnect switch connector. While bending lock tabs, push switch out from hole in panel. To install, reverse removal procedure.

Legacy

Pry switch out of panel with small screwdriver. To install, reverse removal procedure.

Loyale & SVX
Information is not available from manufacturer.

WIRING DIAGRAMS

See appropriate chassis wiring diagram in WIRING DIAGRAMS.