

WIPER/WASHER SYSTEM

1994 Mitsubishi 3000GT

1994 ACCESSORIES & SAFETY EQUIPMENT
Chrysler Corp./Mitsubishi Wiper/Washer Systems

Dodge: Stealth
Mitsubishi: 3000GT

DESCRIPTION & OPERATION

All models are equipped with a 2-speed wiper motor with an optional intermittent wiper feature. Some models are equipped with a rear wiper/washer.

ADJUSTMENTS

FRONT WIPER ARM ADJUSTMENT

Ensure wiper motor is in park position. Position wiper arm and blade assembly so tip of blade is specified distance above front window trim. See FRONT WIPER ADJUSTMENT SPECIFICATIONS table.

FRONT WIPER ADJUSTMENT SPECIFICATIONS

Model	Driver's Side		Passenger's Side	
	In. (mm)		In. (mm)	
Stealth & 3000GT59-.79 (15-20)59-.79 (15-20)

REAR WIPER ARM ADJUSTMENT

Ensure wiper motor is in park position. Position wiper arm and blade assembly so tip of blade is specified distance from edge of window. See REAR WIPER ADJUSTMENT SPECIFICATIONS table.

REAR WIPER ADJUSTMENT SPECIFICATIONS TABLE

Model	In. (mm)
Stealth & 3000GT (2) *

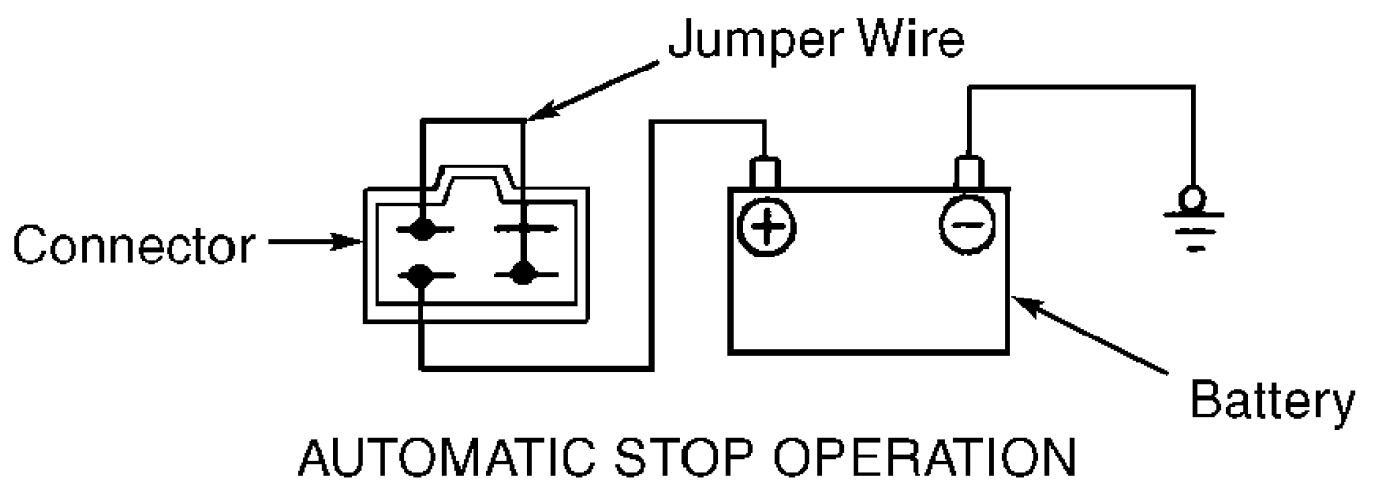
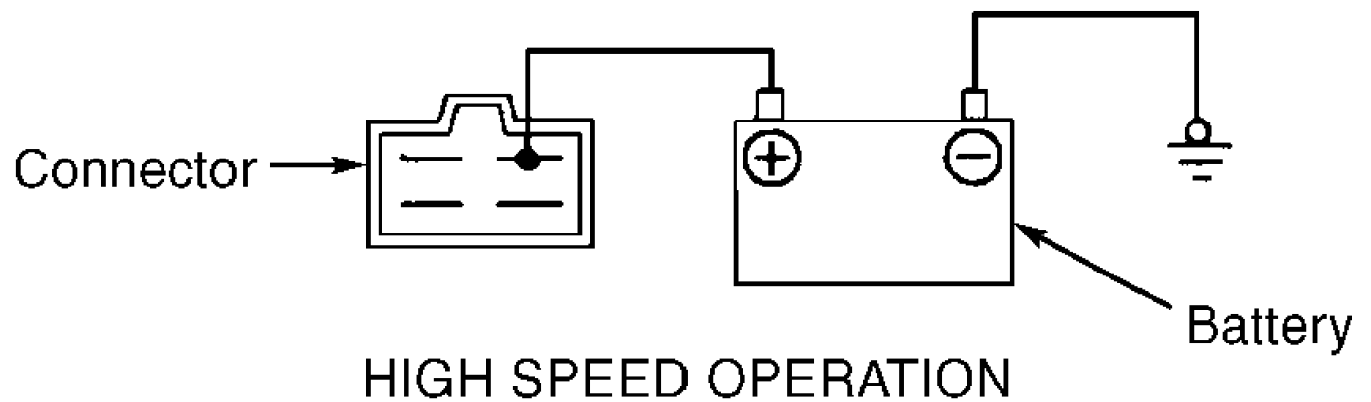
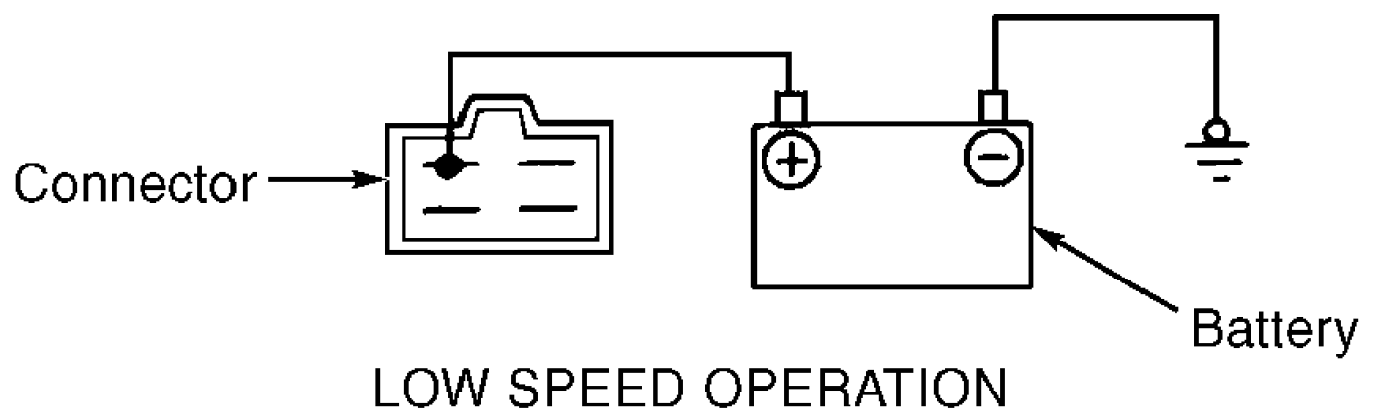
- (1) - Information is not available from manufacturer.
(2) - Position blade tip along ceramic edge of window.

TESTING

FRONT WIPER MOTOR TEST

Checking Wiper Motor Operation

Disconnect wiring connector from wiper motor. Connect battery voltage to wiper motor connector as shown, and ensure wiper motor operates at low and high speeds. See Fig. 1.



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Fig. 1: Checking Front Wiper Motor Operation
Courtesy of Mitsubishi Motor Sales of America.

Checking Automatic Stop

1) Operate wiper motor at low speed. See Fig. 1. Disconnect battery voltage during operation to stop motor.

2) Using a jumper wire, connect terminals as shown. See Fig. 1. Connect 12 volts to indicated terminal, and ground wiper motor

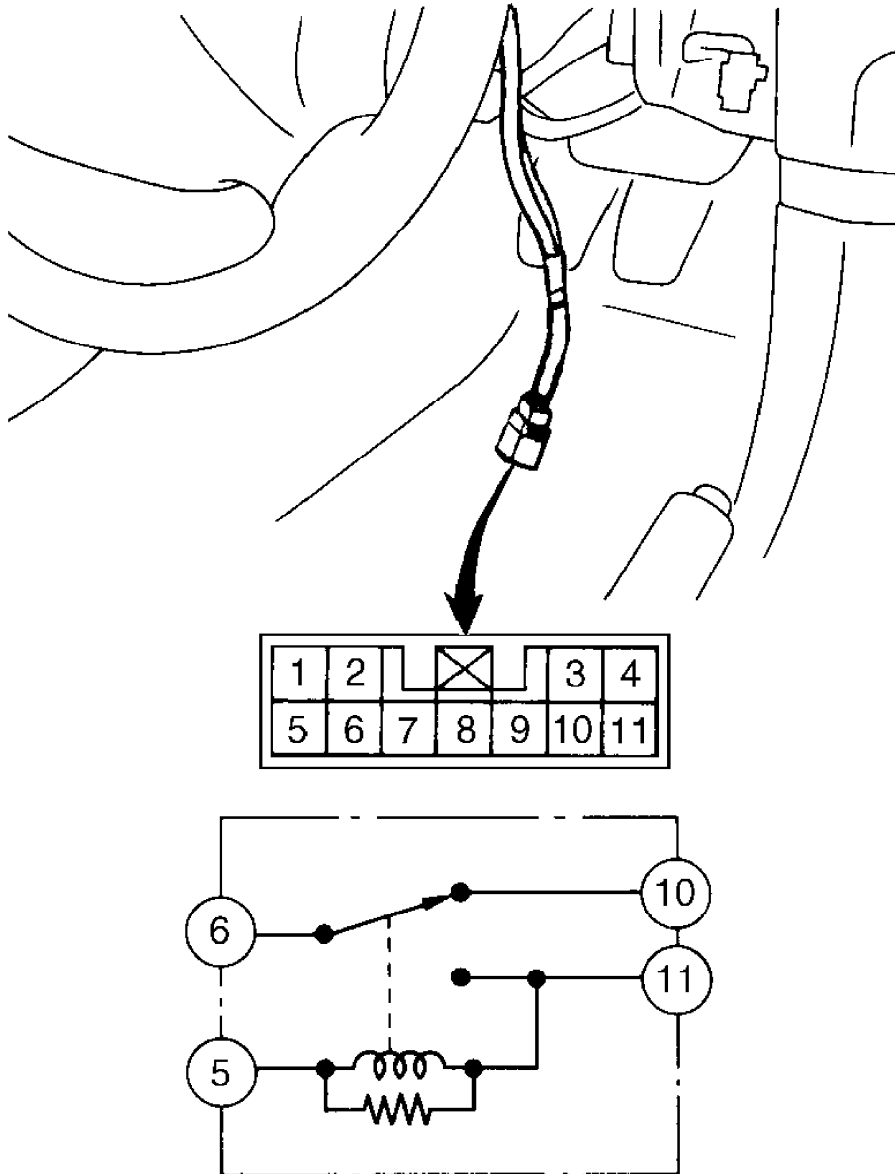
bracket. Ensure wiper arm is correctly parked.

INTERMITTENT WIPER RELAY (FRONT) TEST

Continuity & Voltage Check (Stealth & 3000GT)

1) Disconnect column switch connector. Ensure continuity is present between terminals No. 5 and 11, and between terminals No. 6 and 10. Ensure there is no continuity between terminals No. 6 and 11.

2) Connect battery voltage to terminal No. 5 and ground terminal No. 11. Battery voltage should be present on terminal No. 6. Replace relay if continuity and voltage are not present. See Fig. 2.



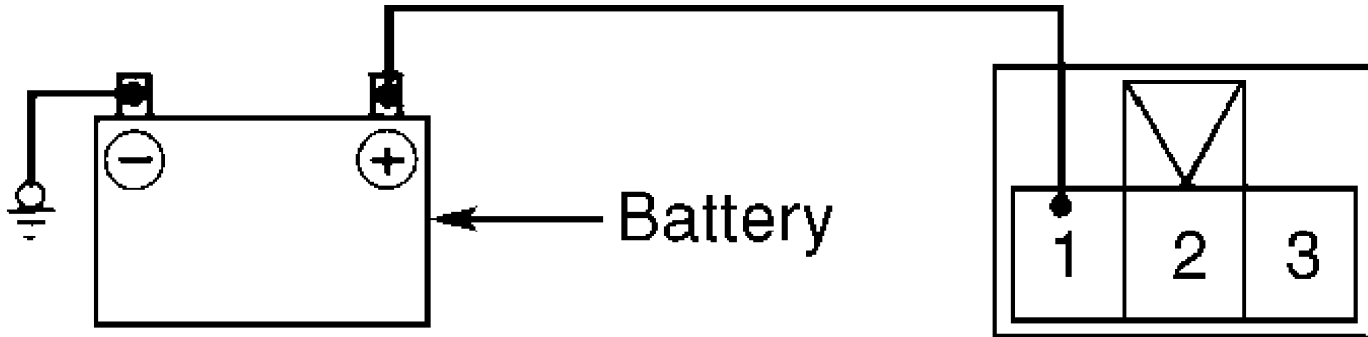
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Fig. 2: Front Wiper Relay Terminal ID (Stealth & 3000GT)
Courtesy of Mitsubishi Motor Sales of America.

FRONT WIPER SWITCH TEST

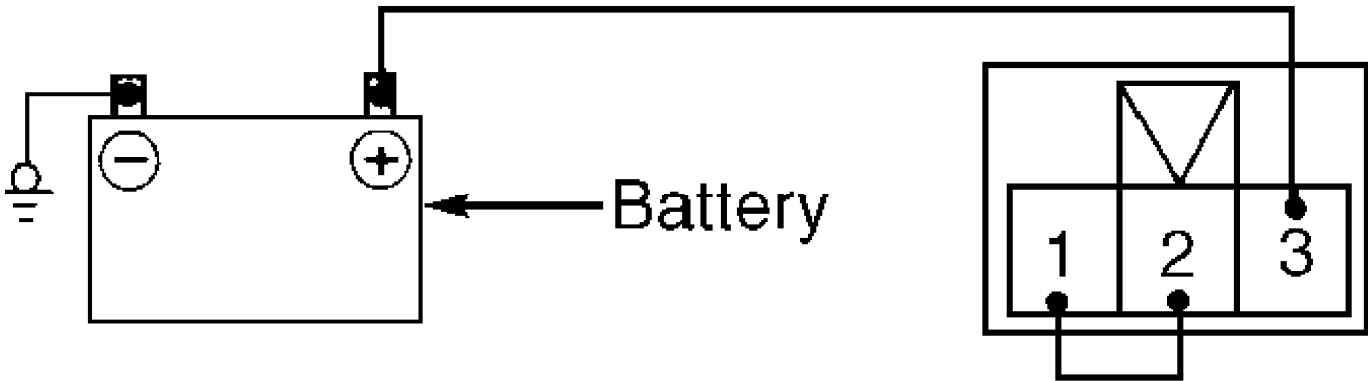
NOTE: Front wiper switch is part of combination switch on steering column. See appropriate STEERING COLUMN SWITCHES article.

REAR WIPER MOTOR TEST



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Fig. 3: Checking Rear Wiper Motor Operation - Operational Check (Stealth & 3000GT)
 Courtesy of Mitsubishi Motor Sales of America



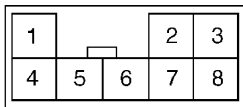
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Fig. 4: Checking Rear Wiper Motor Operation - Automatic Stop Check (Stealth & 3000GT)
 Courtesy of Mitsubishi Motor Sales of America.

Automatic Stop Check

Operate wiper motor, and then disconnect wiring connector from wiper motor to stop motor operation at a point other than park position. Connect battery voltage and jumper wire to wiper motor connector as shown, and ensure motor housing is well grounded. See Figs. 6-9. Motor should return to park position.

REAR WIPER RELAY TEST



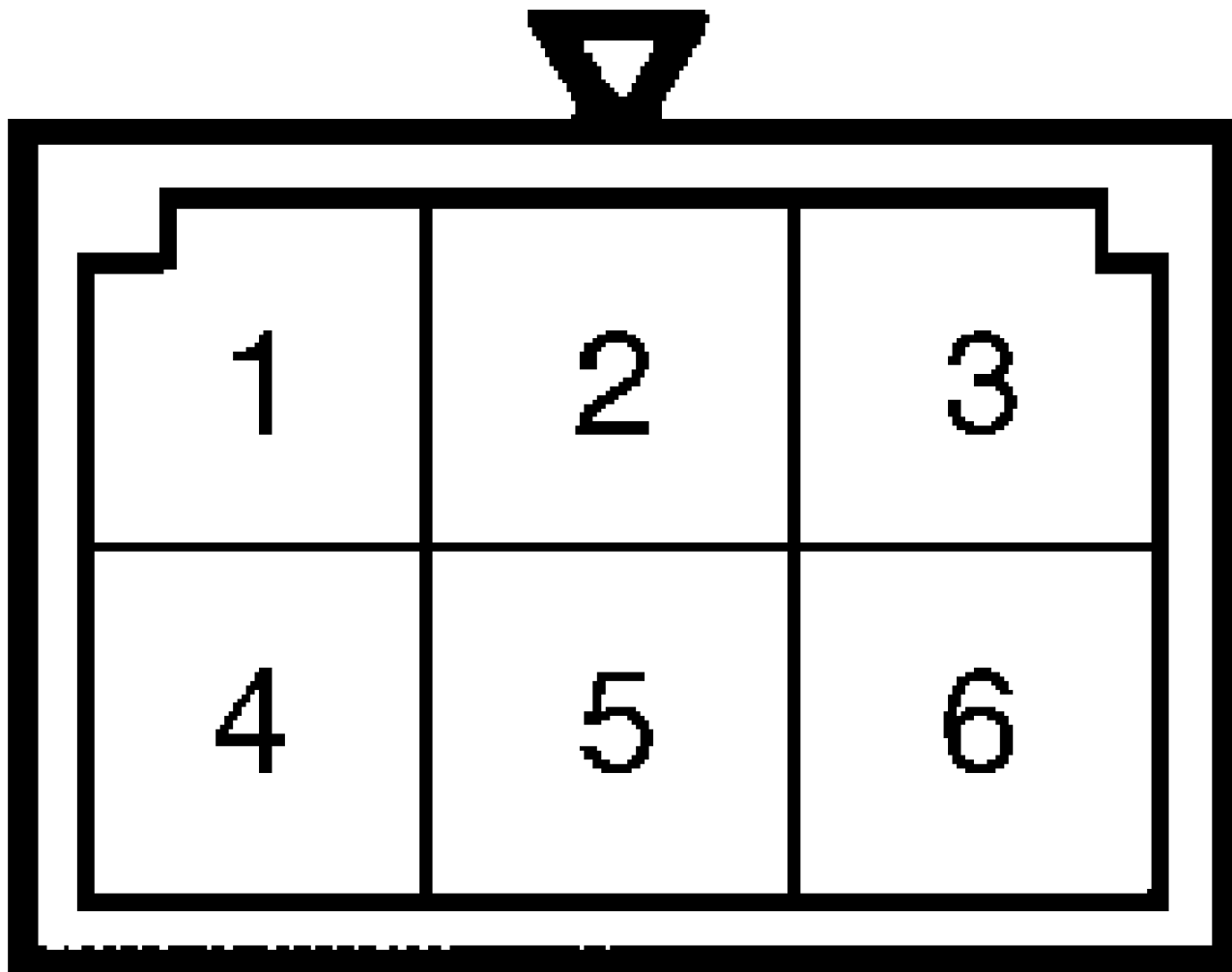
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Fig. 5: Identifying Rear Wiper Switch Terminals (Stealth, 3000GT)
 Courtesy of Mitsubishi Motor Sales of America.

Operational Check (Stealth & 3000GT)

Remove quarter trim. Leave intermittent relay connected to

wiring harness. Operate rear wiper and check voltage at terminal No. 2. Zero volts should be present when rear wiper stops. There should be 12 volts when rear wiper operates.



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Fig. 6: Identifying Rear Wiper Relay Terminals
Courtesy of Mitsubishi Motor Sales of America.

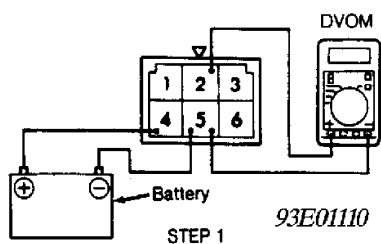
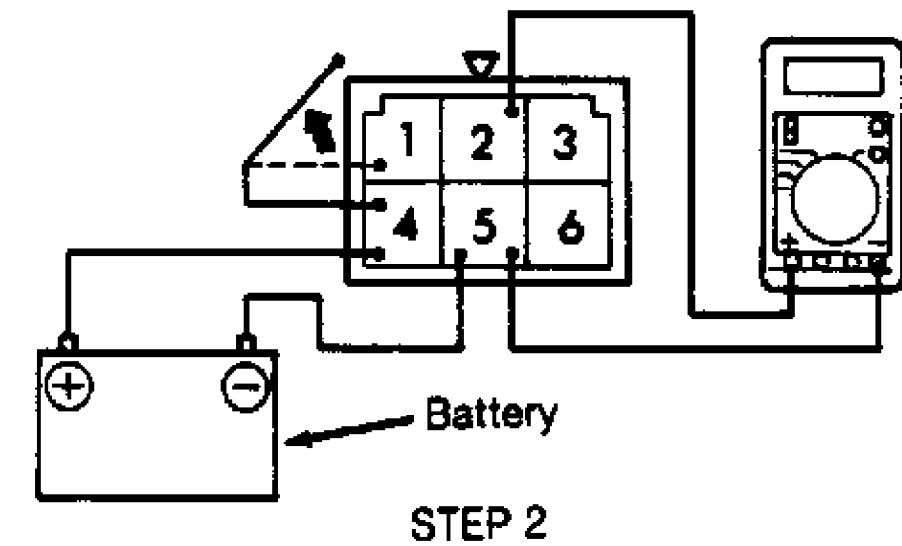
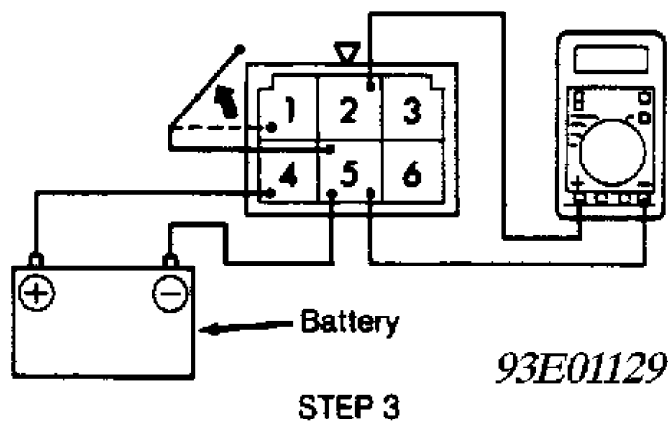


Fig. 7: Identifying Rear Wiper Relay Terminals (Step 1)
Courtesy of Mitsubishi Motor Sales of America.



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Fig. 8: Identifying Rear Wiper Relay Terminals (Step 2)
Courtesy of Mitsubishi Motor Sales of America.



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Fig. 9: Identifying Rear Wiper Relay Terminals (Step 3)
Courtesy of Mitsubishi Motor Sales of America.

REAR WIPER SWITCH TEST

Stealth & 3000GT

1) Remove wiper switch from instrument panel and disconnect wiper switch. Place wiper switch in OFF position. Continuity should exist between terminals No. 4 and 5. Place wiper switch in ON position. Continuity should exist between terminals No. 5 and 6.

2) Place wiper switch in INT position. Continuity should exist between terminals No. 4 and 5, and between terminals No. 7 and 8. Depress washer switch. Continuity should exist between terminals No. 2 and 6. Continuity between terminals No. 1 and 3 should exist in all positions (light circuit).

REMOVAL & INSTALLATION

FRONT WIPER MOTOR

Removal & Installation

Remove wiper motor bolts. Pull motor out just slightly. Disconnect wiper linkage from motor assembly and remove motor. To install, reverse removal procedure.

FRONT WIPER SWITCH

NOTE: Front wiper switch is part of combination switch on steering column. See appropriate STEERING COLUMN SWITCHES article.

REAR WIPER MOTOR

Removal & Installation

Remove wiper blade and arm assembly. Remove tailgate trim, 2 bolts and wiper motor. To install, reverse removal procedure. Ensure grommet is in good condition.

REAR WIPER RELAY

Removal & Installation

On all models equipped with rear wiper relay, relay is located behind right rear quarter trim.

REAR WIPER SWITCH

Removal & Installation

Pry rear wiper switch from instrument panel and disconnect wiper switch. To install switch, reverse removal procedure.

WIRING DIAGRAMS

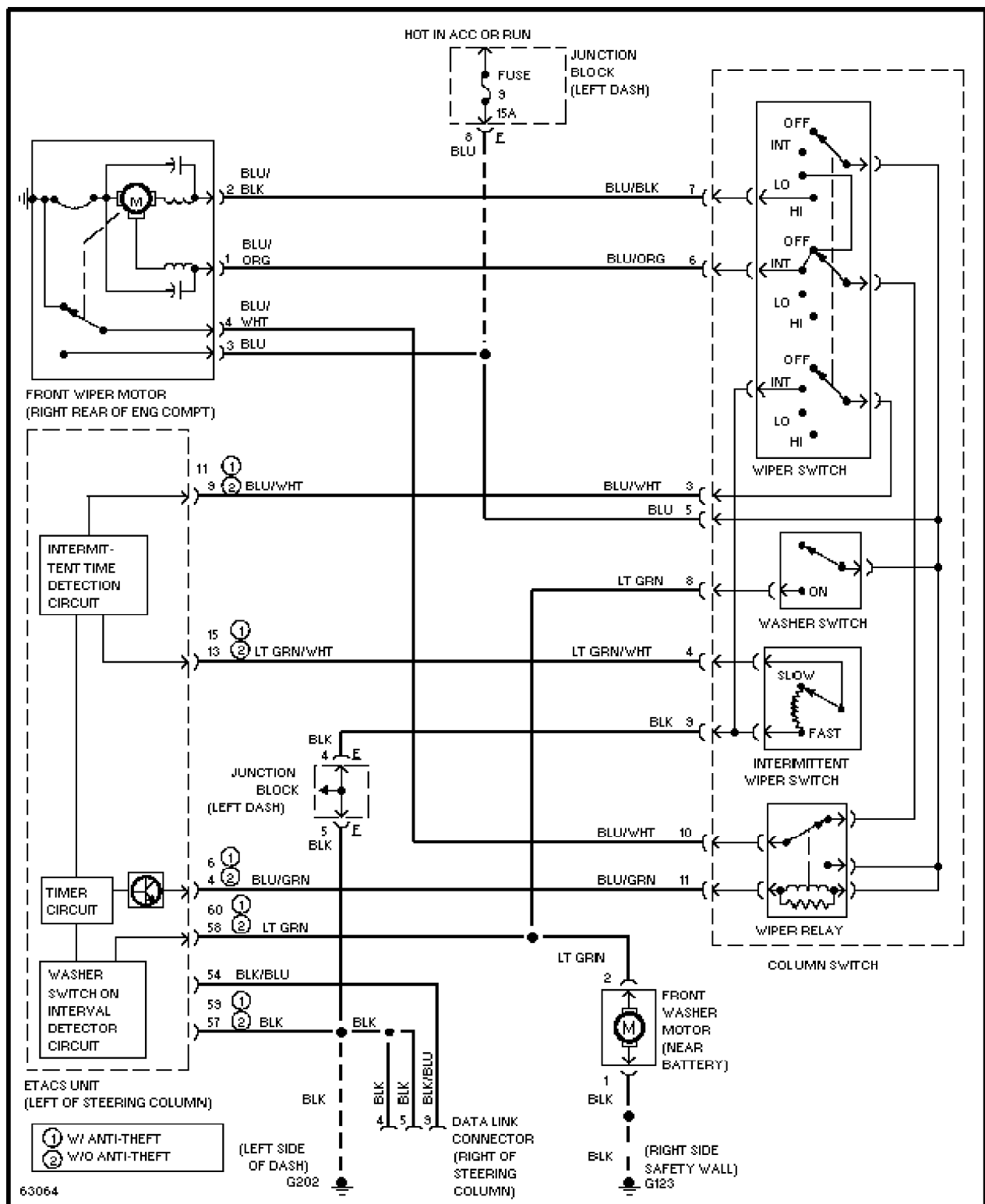


Fig. 10: Wiper/Washer Systems Wiring Diagram (Stealth & 3000GT - Front Wiper)

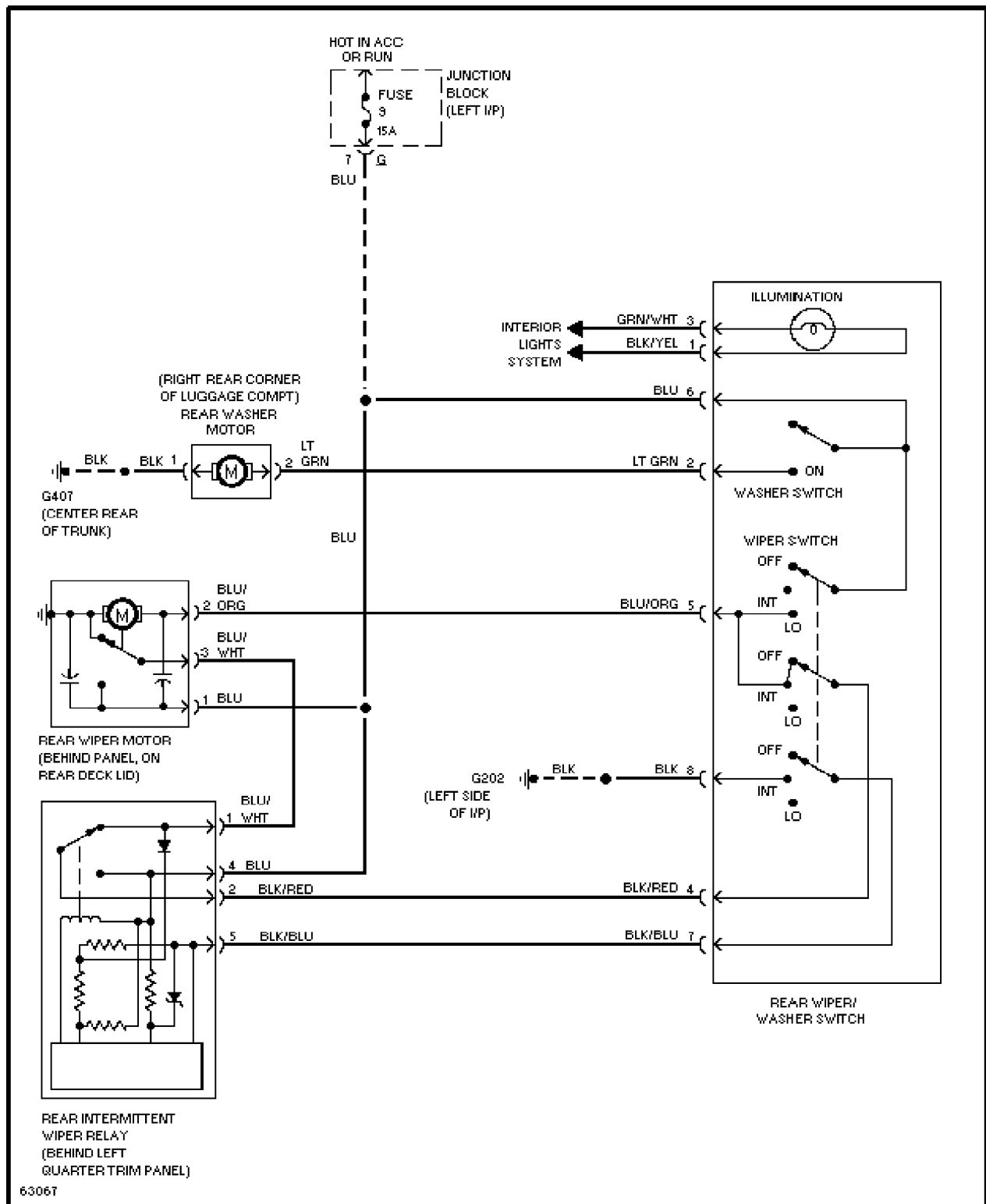


Fig. 11: Wiper/Washer Systems Wiring Diagram (Stealth & 3000GT - Rear Wiper)