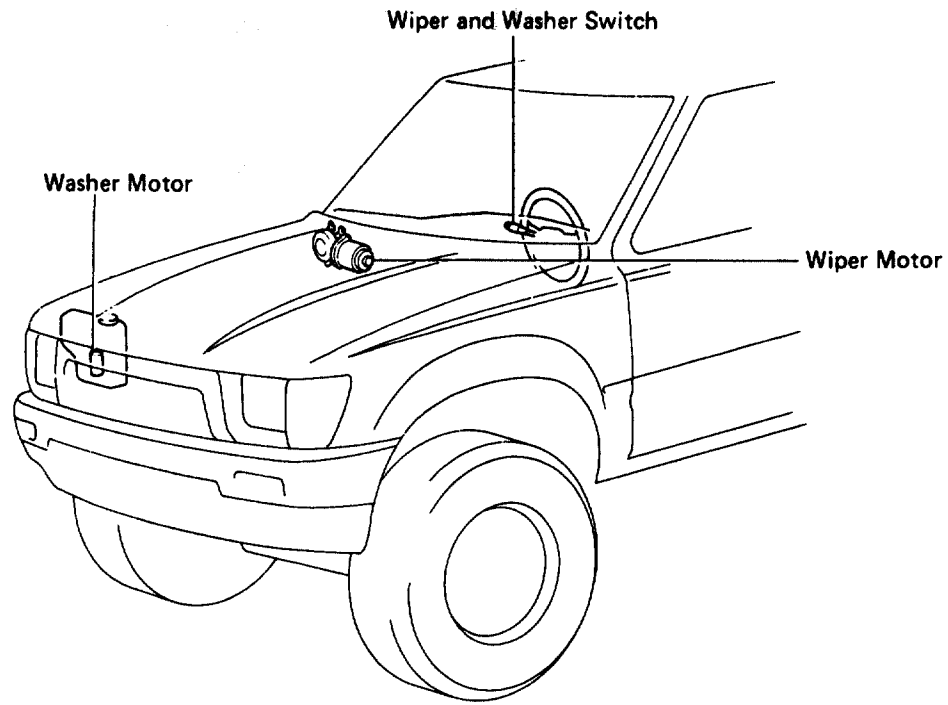


WIPER AND WASHER SYSTEM PARTS LOCATION

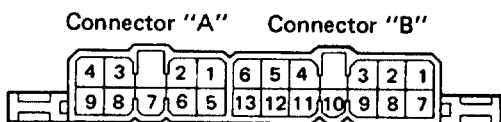
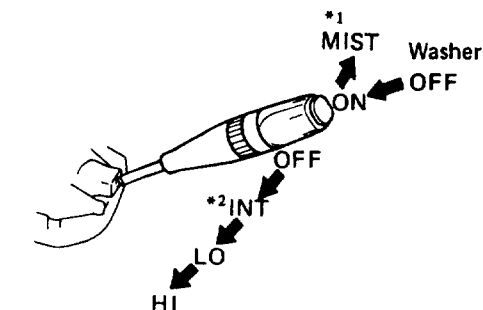


TROUBLESHOOTING

The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

Trouble	Parts name	(See page)
Wipers does not operate or return to off position	1. AM H-Fuse 2. WIPER Fuse 3. Ignition Switch 4. Wiper and Washer Switch 5. Wiper Motor 6. Wire Harness	(BE-11) (BE-11) (BE-13) (BE-42) (BE-44)
Wiper does not operate in MIST position	1. Wiper and Washer Switch 2. Wiper Motor 3. Wire Harness	(BE-42) (BE-44)
Wiper does not operate in INT position	1. Wiper and Washer Switch 2. Wiper Motor 3. Wire Harness	(BE-42) (BE-44)
Washer does not operate	1. Wiper and Washer Switch 2. Washer Hose and Nozzle 3. Washer Motor 4. Wire Harness	(BE-42) (BE-44)

Reference:



*1 w/ Mist Wiper
 *2 w/ Intermittent Wiper

BE2367
 BE0111

Z08548

COMBINATION SWITCH DISASSEMBLY(See page [BE-19](#))**COMBINATION SWITCH ASSEMBLY**(See page [BE-19](#))**COMBINATION SWITCH INSPECTION****INSPECT WIPER SWITCH****Continuity****w/Mist Wiper**

(): Color

Switch position	Tester connection to terminal number	Specified value
MIST	A4-A8 (LW)-(LB)	Continuity
OFF	A7-A8 (LR)-(LB)	Continuity
LO	A4-A8 (LW)-(LB)	Continuity
HI	A4-A9 (LW)-(LO)	Continuity

If continuity is not as specified, replace the switch.

w/Intermittent Wiper

(): Color

Switch position	Tester connection to terminal number	Specified value
OFF	A7 - A8 (LR)-(LB)	Continuity
INT	A4 - A8 (LW)-(LB)	Continuity
LO	A4 - A8 (LW)-(LB)	Continuity
HI	A4 - A9 (LW)-(LO)	Continuity

If continuity is not as specified, replace the switch.

INSPECT WASHER SWITCH**Continuity****w/Mist Wiper****(): Color**

Switch position	Tester connection to terminal number	Specified value
OFF	–	No continuity
ON	A1 – A2 (B)–(L)	Continuity

If continuity is not as specified, replace the switch.

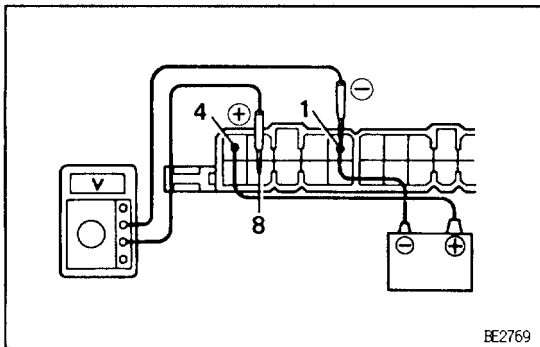
w/Intermittent Wiper**(): Color**

Switch position	Tester connection to terminal number	Specified value
OFF	–	No continuity
ON	A1 – A2 (B)–(L)	Continuity

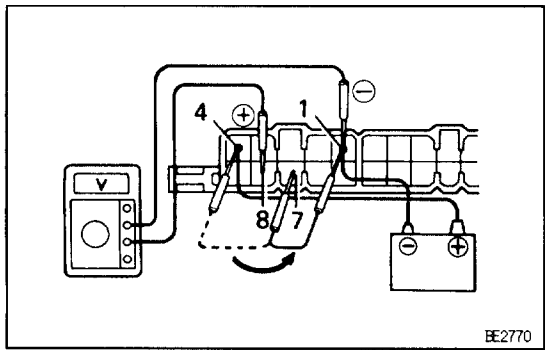
If continuity is not as specified, replace the switch.

Operation at intermittent wiper

- (a) Turn the wiper switch to INT position.
- (b) (Variable Type)
Turn the intermittent time control switch to FAST position.

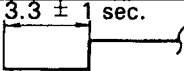


- (c) Connect the positive (+) lead from the battery to terminal 4/9 and the negative (–) lead to terminal 1/ 9.
- (d) Connect the positive (+) lead from the voltmeter to terminal 8/9 and the negative (–) lead to terminal 1/ 9, check that the meter needle indicates battery positive voltage.

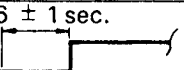
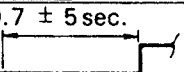


- (e) After connecting terminal 7/9 to terminal 4/9, connect to terminal 1/9.
Then, check that the voltage rises from 0 volts to battery positive voltage within the times, as shown in the table.

Non Variable Type

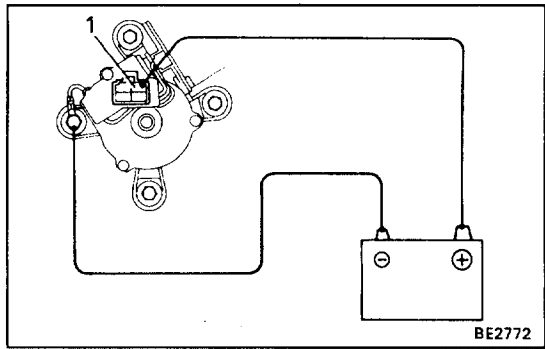
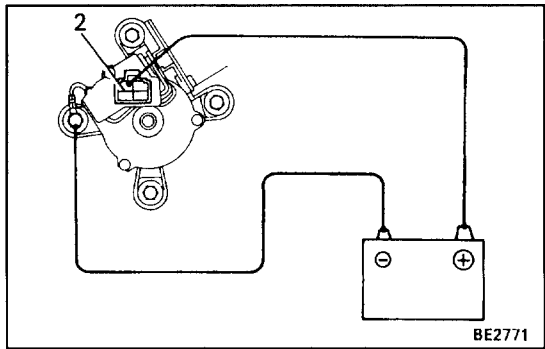
Switch position	Specified value	
INT		Battery positive voltage 0 volts

Variable Type

Switch position	Specified value	
INT	FAST	 Battery positive voltage 0 volts
	LOW	 Battery positive voltage 0 volts

V03470

If operation is not as specified, replace the switch.



WIPER MOTOR INSPECTION

INSPECT WIPER MOTOR

Operation at Low Speed

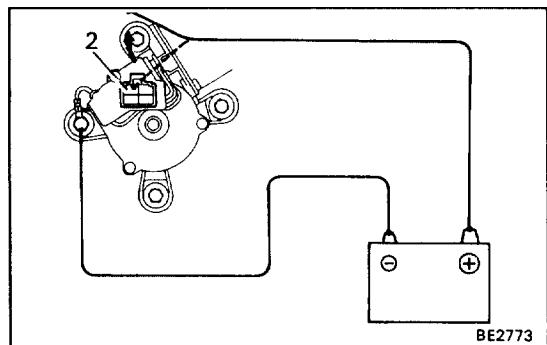
Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to the motor body, check that the motor operates at low speed.

If operation is not as specified, replace the motor.

Operation at High Speed

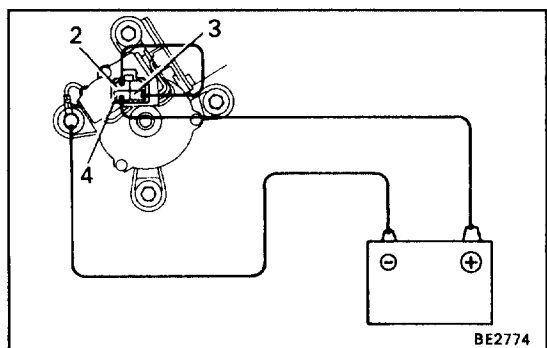
Connect the positive (+) lead from the battery to terminal 1 and negative (-) lead to the motor body, check that the motor operates at high speed.

If operation is not as specified, replace the motor.



Operation, Stopping at Stop Position

- (a) Operate the motor at low speed and stop the motor operation anywhere except at the stop position by disconnecting positive (+) lead from terminal 2.

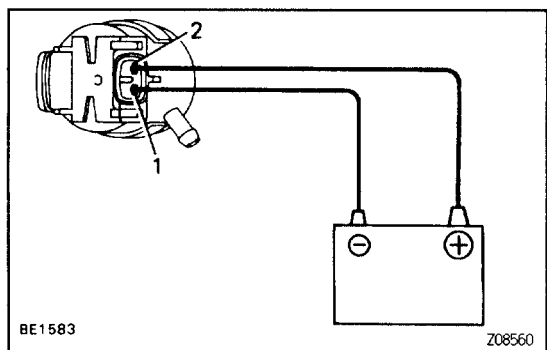


- (b) Connect terminals 2 and 3.
 (c) Connect the positive (+) lead from the battery to terminal 4 and the negative (-) lead to motor body, check that the motor stops running at the stop position after the motor operates again.
 If operation is not as specified, replace the motor.

WASHER SWITCH INSPECTION

INSPECT WASHER SWITCH

(See page [BE-42](#))



WASHER MOTOR INSPECTION

INSPECT WASHER MOTOR

Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the motor operates.

NOTICE: These tests must be performed quickly (Within 20 seconds) to prevent the coil from burning out.

If operation is not as specified, replace the motor.