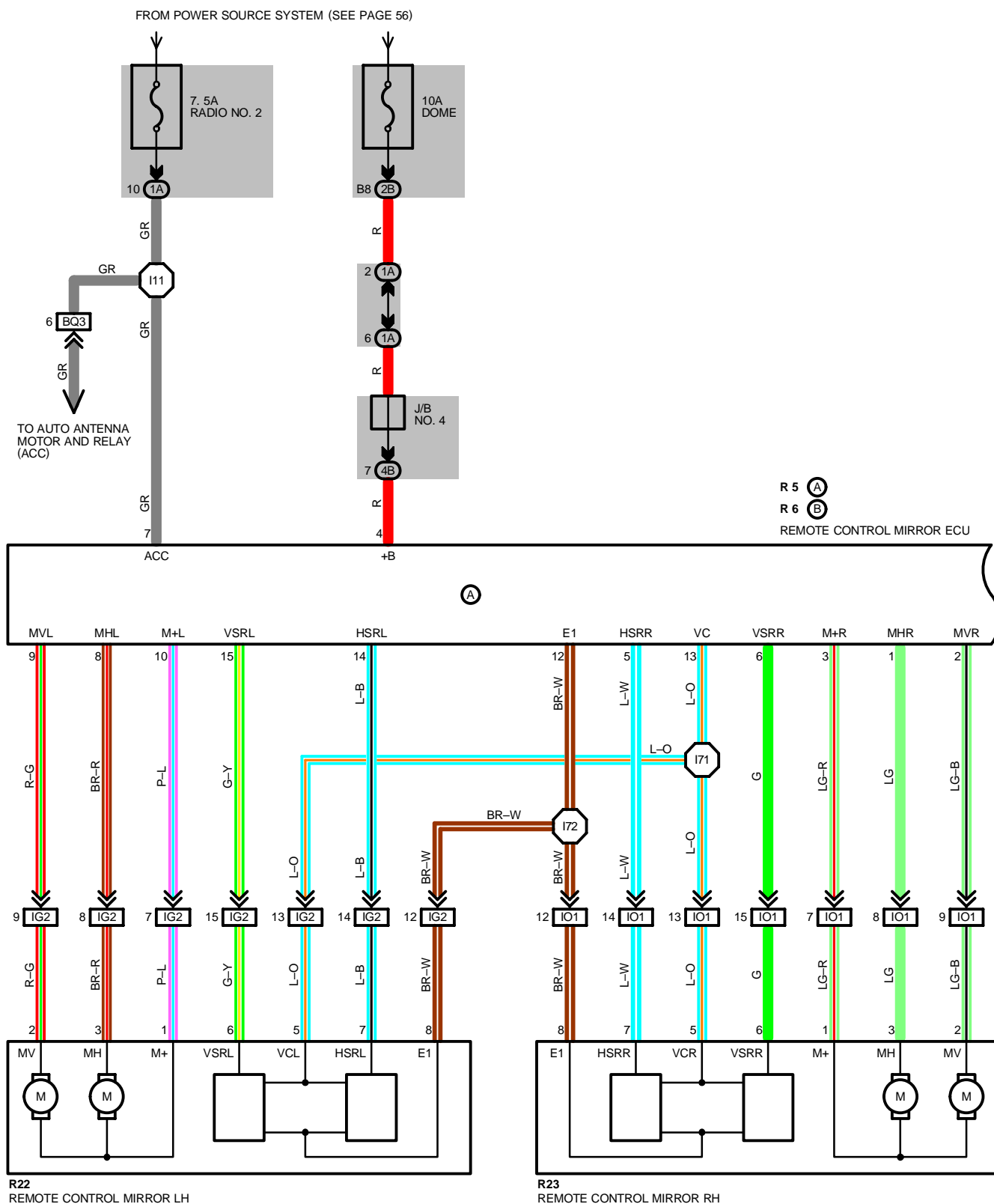
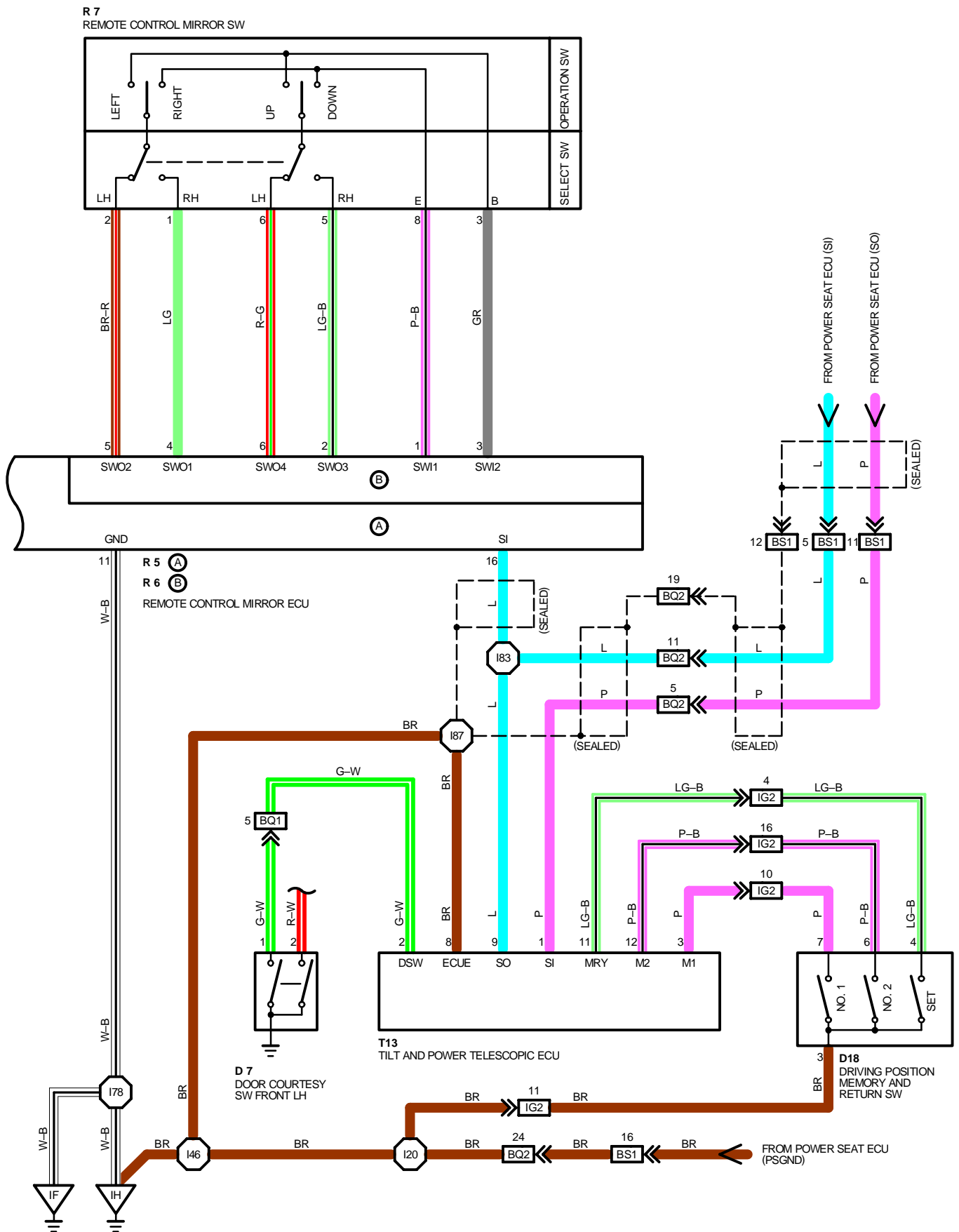


# REMOTE CONTROL MIRRORS (w/ MEMORY)





# REMOTE CONTROL MIRRORS (w/ MEMORY)

## SYSTEM OUTLINE

CURRENT IS ALWAYS APPLIED TO **TERMINAL +B** OF REMOTE CONTROL MIRROR ECU THROUGH THE DOME FUSE.

WHEN THE IGNITION SW IS TURNED TO **ON** OR **ACC** POSITION, THE CURRENT FLOWS TO **TERMINAL ACC** OF THE REMOTE CONTROL MIRROR ECU.

### REMOTE CONTROL MIRROR OPERATION

WHEN THE IGNITION SW IS TURNED TO **ON** OR **ACC** POSITION, THE REMOTE CONTROL MIRROR ECU OPERATES. WHEN THE SELECT SW OF THE REMOTE CONTROL MIRROR SW IS MOVED TO THE **LH** POSITION AND THE OPERATION SW IS MOVED TO "LEFT" SIDE, A SIGNAL IS INPUT FROM **TERMINAL SWO2** OF REMOTE CONTROL MIRROR ECU TO **TERMINAL 2** OF REMOTE CONTROL MIRROR SW → **TERMINAL 3** → **TERMINAL SWI2** OF ECU.

AS A RESULT, THE CURRENT TO **TERMINAL +B** OF ECU FLOWS FROM **TERMINAL MHL** OF ECU → **TERMINAL 3** OF REMOTE CONTROL MIRROR LH → MOTOR → **TERMINAL 1** OF REMOTE CONTROL MIRROR LH → **TERMINAL M+L** OF ECU → **TERMINAL GND** → **GROUND**, ROTATING THE MOTOR TO ADJUST THE ANGLE OF THE LEFT SIDE OF THE OUTER MIRROR (DRIVER'S).

TO CHANGE THE ANGLE OF THE RIGHT SIDE OF THE MIRROR, THE OPERATION SW OF THE REMOTE CONTROL MIRROR SW IS MOVED TO THE "RIGHT" SIDE.

THEN, A SIGNAL IS INPUT FROM **TERMINAL SWO2** OF REMOTE CONTROL MIRROR ECU → **TERMINAL 2** OF REMOTE CONTROL MIRROR SW → **TERMINAL 8** → **TERMINAL SWI1** OF ECU. AS A RESULT, THE CURRENT TO **TERMINAL +B** OF REMOTE CONTROL MIRROR ECU FLOWS FROM **TERMINAL M+L** OF ECU → **TERMINAL 1** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 3** → **TERMINAL MHL** OF ECU → **TERMINAL GND** → **GROUND**, CAUSING THE ANGLE OF THE OUTER MIRROR (DRIVER'S) TO CHANGE ON THE RIGHT SIDE.

THE MOVEMENT TO OTHER POSITIONS OCCURS SIMILARLY, SO ONLY THE CURRENT FLOW TO EACH MOTOR IS SHOWN:

### SELECT SW RH POSITION, OPERATION SW LEFT POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR ECU → **TERMINAL MHR** → **TERMINAL 3** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 1** OF REMOTE CONTROL MIRROR → **TERMINAL M+R** OF ECU → **TERMINAL GND** → **GROUND**.

### SELECT SW RH POSITION, OPERATION SW RIGHT POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR ECU → **TERMINAL M+R** → **TERMINAL 1** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 3** OF REMOTE CONTROL MIRROR → **TERMINAL MHR** OF ECU → **TERMINAL GND** → **GROUND**.

### SELECT SW LH POSITION, OPERATION SW UP POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR ECU → **TERMINAL MVL** → **TERMINAL 2** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 1** OF REMOTE CONTROL MIRROR → **TERMINAL M+L** OF ECU → **TERMINAL GND** → **GROUND**.

### SELECT SW LH POSITION, OPERATION SW DOWN POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR ECU → **TERMINAL M+L** → **TERMINAL 1** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 2** OF REMOTE CONTROL MIRROR → **TERMINAL MVL** OF ECU → **TERMINAL GND** → **GROUND**.

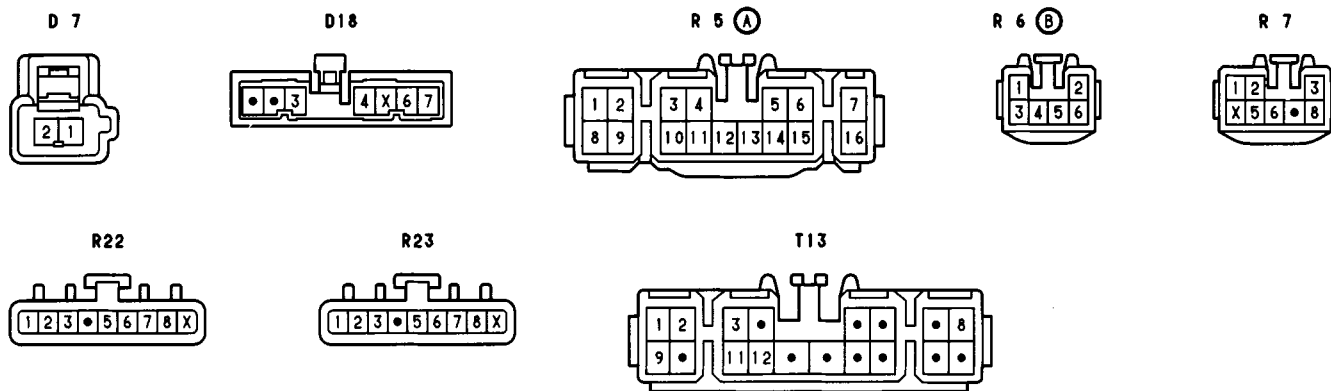
### SELECT SW RH POSITION, OPERATION SW UP POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR → **TERMINAL MVR** → **TERMINAL 2** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 1** OF REMOTE CONTROL MIRROR → **TERMINAL M+R** OF ECU → **TERMINAL GND** → **GROUND**.

### SELECT SW RH POSITION, OPERATION SW DOWN POSITION

**TERMINAL +B** OF REMOTE CONTROL MIRROR → **TERMINAL M+R** → **TERMINAL 1** OF REMOTE CONTROL MIRROR → MOTOR → **TERMINAL 2** OF REMOTE CONTROL MIRROR → **TERMINAL MVR** OF ECU → **TERMINAL GND** → **GROUND**.

THE NUMBER OF TURNS OF EACH MOTOR (AMOUNT OF MOVEMENT OF EACH PART OF THE MIRROR) IS DETECTED BY THE POSITION SENSORS AND INPUT TO THE ECU, MAKING IT POSSIBLE TO PERFORM MEMORY AND RETURN FUNCTIONS FOR THE MIRROR POSITION USING THE DRIVING POSITION MEMORY AND RETURN SWITCH.



## SERVICE HINTS

### D 7 DOOR COURTESY SW FRONT LH

1-GROUND : CLOSED WITH FRONT DOOR LH OPEN

### D18 DRIVING POSITION MEMORY AND RETURN SW

4-3 : CLOSED WITH SET SW ON

7-3 : CLOSED WITH MEMORY NO.1 SW ON

6-3 : CLOSED WITH MEMORY NO.2 SW ON

### R 7 REMOTE CONTROL MIRROR SW

2-3 : CONTINUITY WITH SELECT SW AT **LH** POSITION AND OPERATION SW AT **LEFT** POSITION

2-8 : CONTINUITY WITH SELECT SW AT **LH** POSITION AND OPERATION SW AT **RIGHT** POSITION

1-3 : CONTINUITY WITH SELECT SW AT **RH** POSITION AND OPERATION SW AT **LEFT** POSITION

1-8 : CONTINUITY WITH SELECT SW AT **RH** POSITION AND OPERATION SW AT **RIGHT** POSITION

6-3 : CONTINUITY WITH SELECT SW AT **LH** POSITION AND OPERATION SW AT **UP** OPERATION

6-8 : CONTINUITY WITH SELECT SW AT **LH** POSITION AND OPERATION SW AT **DOWN** POSITION

5-3 : CONTINUITY WITH SELECT SW AT **RH** POSITION AND OPERATION SW AT **UP** POSITION

5-8 : CONTINUITY WITH SELECT SW AT **RH** POSITION AND OPERATION SW AT **DOWN** POSITION

### R 5 (A), R 6 (B) REMOTE CONTROL MIRROR ECU

4-GROUND : ALWAYS APPROX. 12 VOLTS

7-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT **ACC** OR **ON** POSITION

11-GROUND : ALWAYS CONTINUITY

9-GROUND : APPROX. 12 VOLTS WITH REMOTE CONTROL MIRROR LH AT UP OPERATION

8-GROUND : APPROX. 12 VOLTS WITH REMOTE CONTROL MIRROR LH AT LEFT OPERATION

13-GROUND : APPROX. 5 VOLTS

12-GROUND : ALWAYS CONTINUITY

2-GROUND : APPROX. 12 VOLTS WITH REMOTE CONTROL MIRROR RH AT UP OPERATION

1-GROUND : APPROX. 12 VOLTS WITH REMOTE CONTROL MIRROR RH AT LEFT OPERATION

## : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
D 7	28	R 6	B 27	R23	29
D18	28	R 7	27	T13	27
R 5	A 27	R22	29		

## : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1A	18	COWL WIRE AND J/B NO.1 (LEFT SIDE OF STEERING COLUMN TUBE)
2B	20	COWL WIRE AND J/B NO.2 (ENGINE COMPARTMENT LEFT)
4B	23	COWL WIRE AND J/B NO.4 (BEHIND THE COMBINATION METER)

## : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IG2	34	FRONT DOOR LH WIRE AND COWL WIRE (LEFT KICK PANEL)
IO1	36	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)
BQ1	38	COWL WIRE AND FLOOR NO.2 WIRE (LEFT KICK PANEL)
BQ2		
BQ3		
BS1	40	FLOOR NO.2 WIRE AND FRONT SEAT LH WIRE (UNDER THE FRONT LH SEAT)

## : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
IF	34	INSTRUMENT PANEL BRACE LH
IH	34	RIGHT KICK PANEL

## : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 11	36	COWL WIRE	I 72	36	COWL WIRE
I 20			I 78		
I 46			I 83		
I 71			I 87		