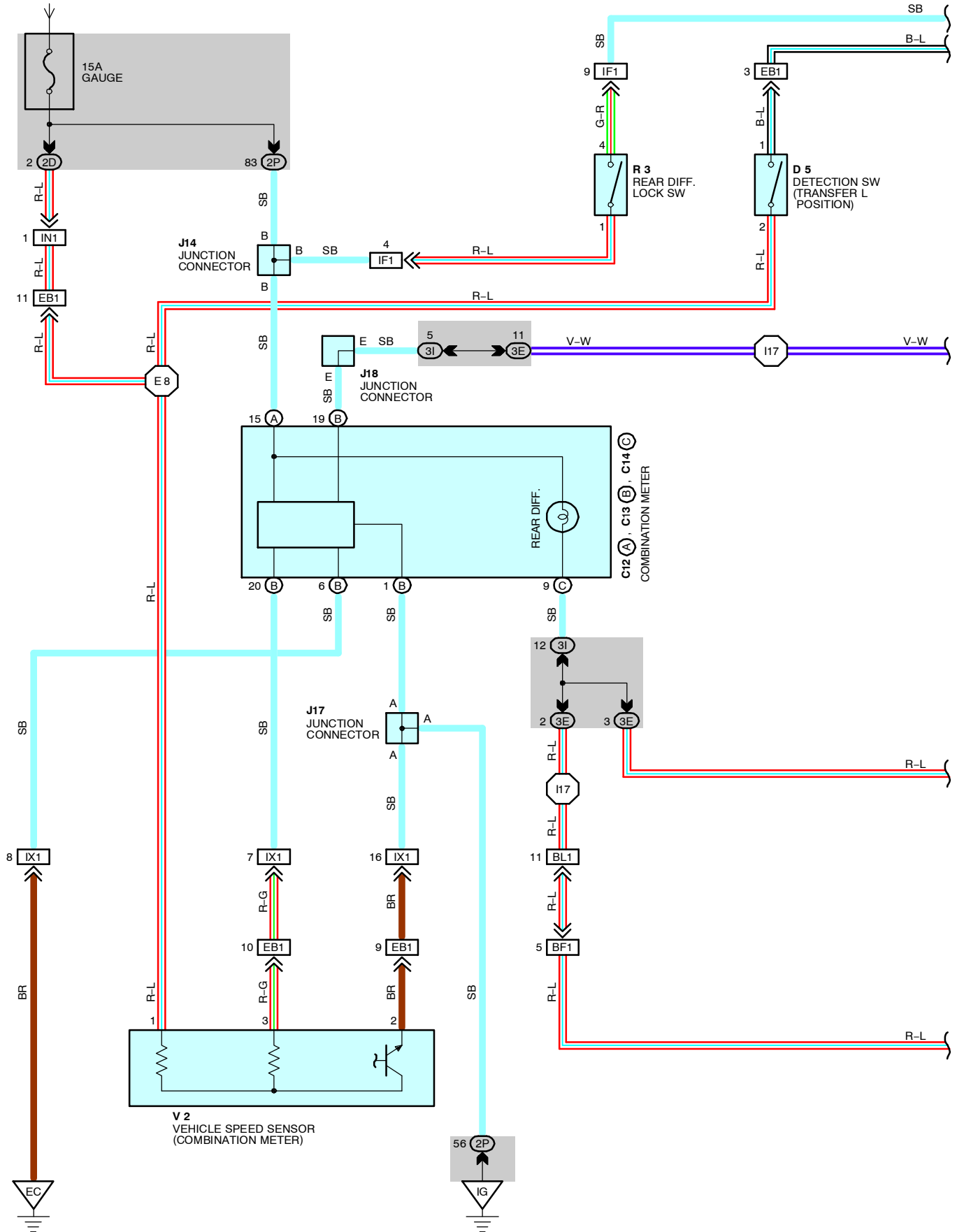


REAR DIFFERENTIAL LOCK

FROM POWER SOURCE SYSTEM (SEE PAGE 62)



REAR DIFFERENTIAL LOCK

SYSTEM OUTLINE

This system locks/frees the rear differential by operation of the rear diff. lock SW.

- * With the ignition SW turned on, rear diff. lock SW on, transfer lever in L, and the speed below **8 km/h (5 mph)**, the relay installed in the rear diff. lock control ECU is turned on through control of the rear diff. lock control ECU, and the current flows from **DIFF** fuse to rear diff. lock control ECU **TERMINAL 5** to **TERMINAL 3** to rear diff. lock motor **TERMINAL 3** to **TERMINAL 2** to rear diff. lock control ECU **TERMINAL 2** to **TERMINAL 7** to **GROUND**. As a result, the rear differential lock operates and the rear differential is locked. At the same time, the detection SW (Rear diff. lock) is turned on, and the rear diff. indicator light in the combination meter lights up.
- * When the rear diff. lock SW is turned off from on, the relay installed in the rear diff. lock control ECU is turned on through control of the rear diff. lock control ECU, and the current flows from **DIFF** fuse to rear diff. lock control ECU **TERMINAL 5** to **TERMINAL 2** to rear diff. lock motor **TERMINAL 2** to **TERMINAL 3** to rear diff. lock control ECU **TERMINAL 3** to **TERMINAL 7** to **GROUND**. As a result, the rear differential lock operates and the rear differential is made free. At the same time, the detection SW (Rear diff. lock) is turned off, and the rear diff. indicator light in the combination meter is turned off.

The rear diff. indicator light blinks under the following conditions:

- * When the rear diff. lock SW is turned on with the ignition SW on and the transfer lever at a position other than L.
- * When the rear diff. lock SW is turned on at a speed over **8 km/h (5 mph)**, with the ignition SW on and the transfer position lever at **L** position.
- * When the rear diff. lock motor is operating the rear differential to free from lock, and the detection SW (Rear diff. lock) is off.

SERVICE HINTS

R2 REAR DIFF. LOCK CONTROL ECU

- 5-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- 4-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position and rear diff. lock SW at **ON** position
- 7-GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A22	38	D5	36	J18	39
C5	38	D9	40	R2	39
C12	A 38	E9	38	R3	39
C13	B 38	J14	39	R18	41
C14	C 38	J17	39	V2	37

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	24	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2D		
2P	26	Instrument Panel integration Wire and Cowl Side J/B LH (Left Kick Panel)
3C	30	Dash Wire and Cowl Side J/B RH (Right Kick Panel)
3E	30	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3I	30	Instrument Panel Integration Wire and Cowl Side J/B RH (Right Kick Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	44	Engine Wire and Transmission Wire (On the Transmission)
IF1	46	Instrument Panel Integration Wire and Instrument Panel Wire (Left Side of Instrument Panel)
IG3	48	Engine Room No.2 Wire and Dash Wire (Behind the Combination Meter)
IN1	50	Engine Wire and Dash Wire (Behind the Glove Box)
IV1	52	Dash Wire and Floor No.2 Wire (Behind the Glove Box)
IX1	52	Instrument Panel Integration Wire and Engine Wire (Behind the Glove Box)
BD2	54	Floor No.3 Wire and Floor Wire (Left Rear Side Quarter Panel)
BF1	56	Frame Wire and Floor No.3 Wire (Left Side of Rear Floor Crossmember)
BL1	56	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BL3		



: GROUND POINTS

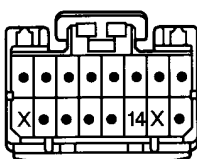
Code	See Page	Ground Points Location
EC	44	Rear Bank of Right Cylinder Head
IG	46	Set Bolt of Cowl Side J/B LH
BK	54	Front Side Under the Front Passenger's Seat
BM	54	Left Rear Side Quarter Panel



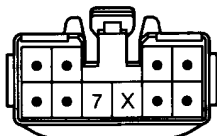
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E8	44	Transmission Wire	I17	48	Floor No.2 Wire
I15	48	Dash Wire	B12	56	Frame Wire
I16	48	Floor No.2 Wire	B16	56	Floor No.3 Wire

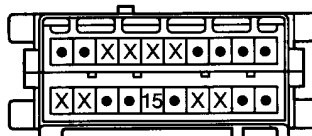
A22



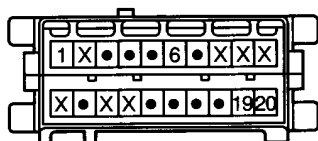
C5



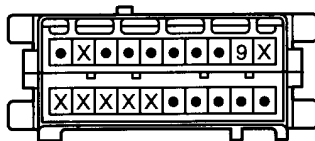
C12 (A)
GRAY



C13 (B)



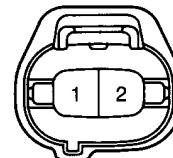
C14 (C)
GRAY



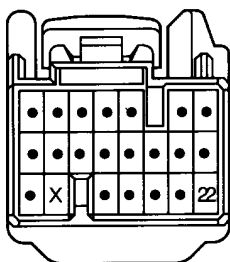
D5
GRAY



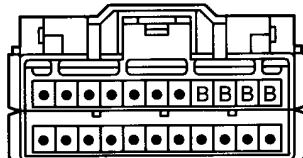
D9
BLUE



E9

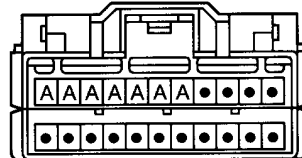


J14



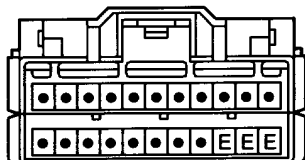
(Hint : See Page 7)

J17



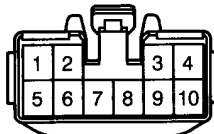
(Hint : See Page 7)

J18
GRAY



(Hint : See Page 7)

R2



R3



R18
GRAY



V2
BLACK

