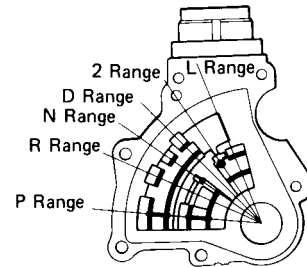


# Neutral Start Switch Circuit

## CIRCUIT DESCRIPTION

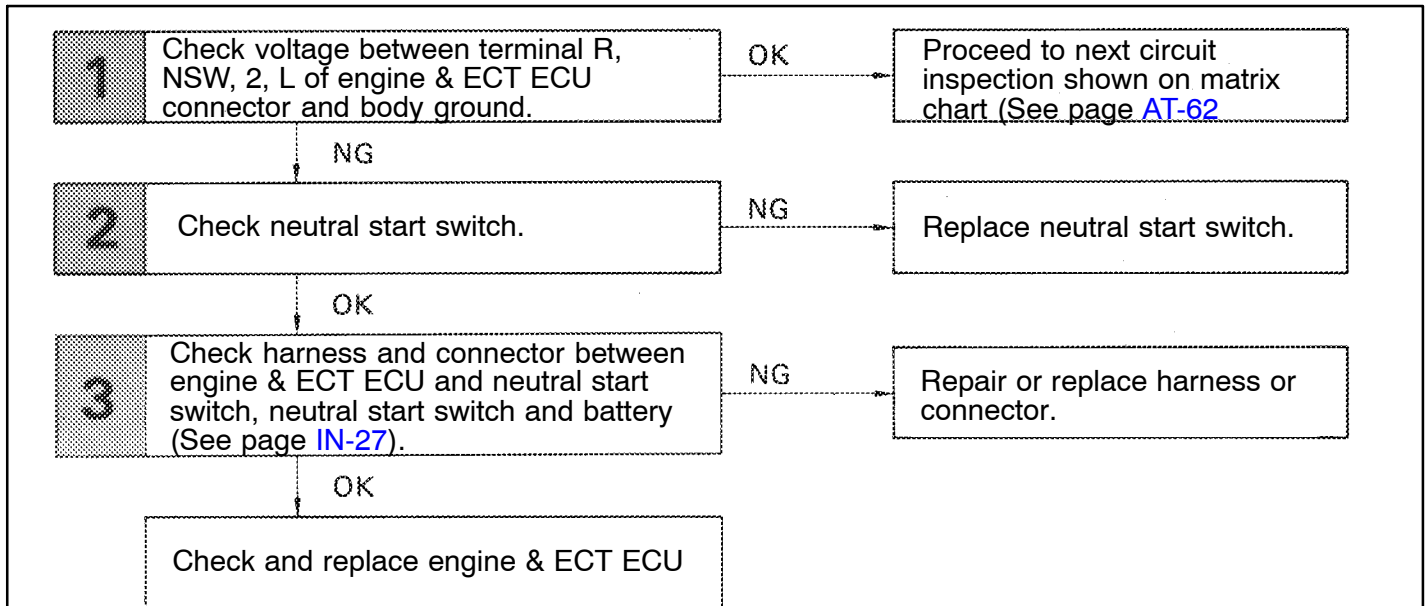
The neutral start switch detects the shift lever position and sends signals to the ECU.

The ECU receives signals (R, NSW, 2 and L) from the neutral start switch. When the signal is not sent to the ECU from the Neutral start switch, the ECU judges that the shift lever is in the D range.

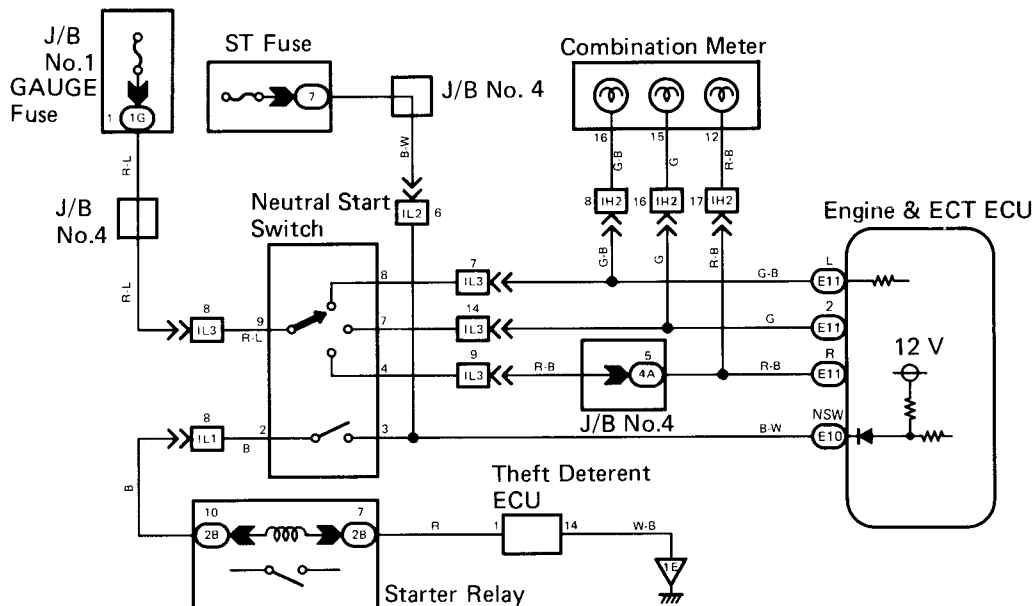


AT5614

## DIAGNOSTIC CHART

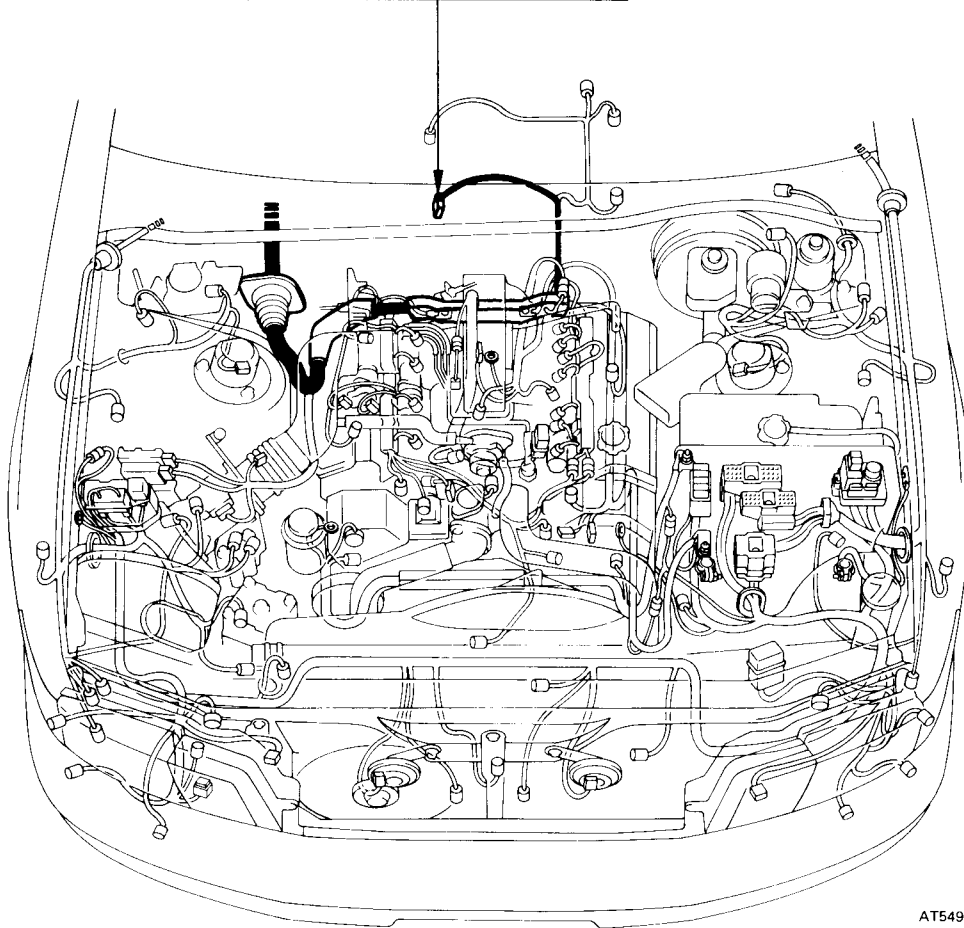
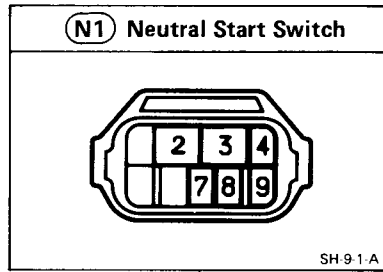


## WIRING DIAGRAM



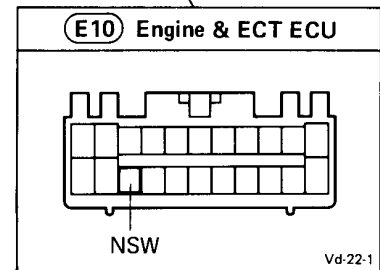
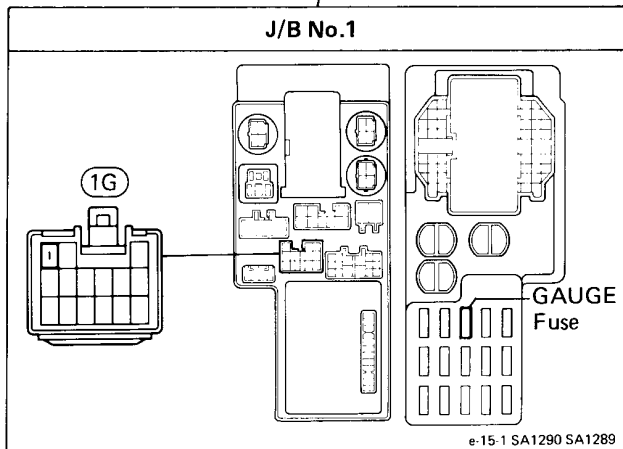
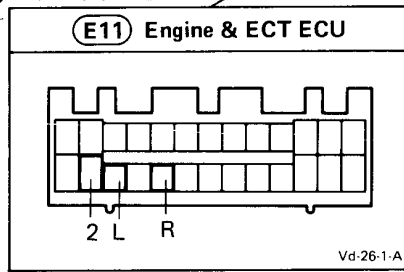
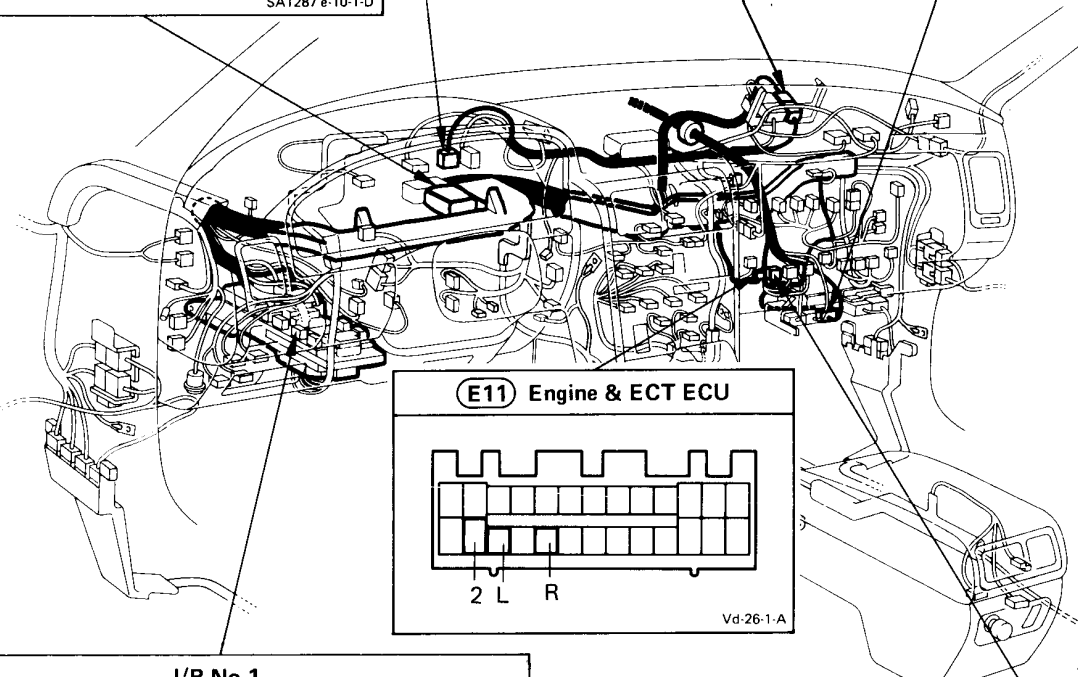
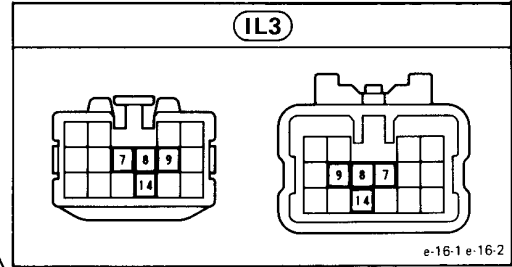
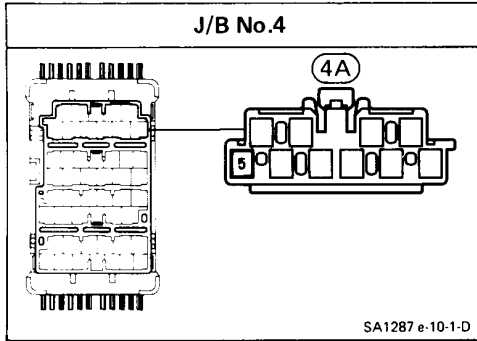
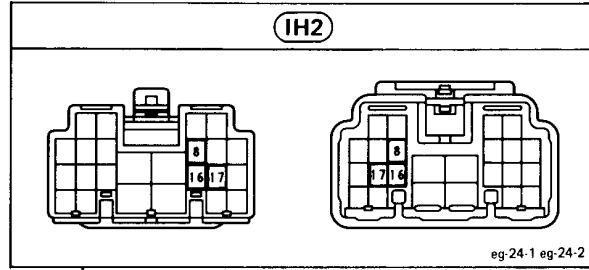
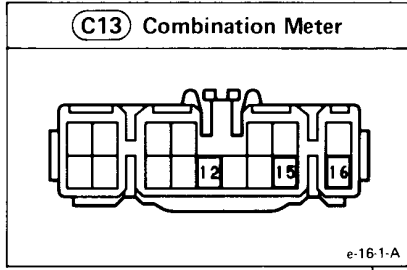
AT5514

# WIRING ROUTING



AT5494

# WIRING ROUTING

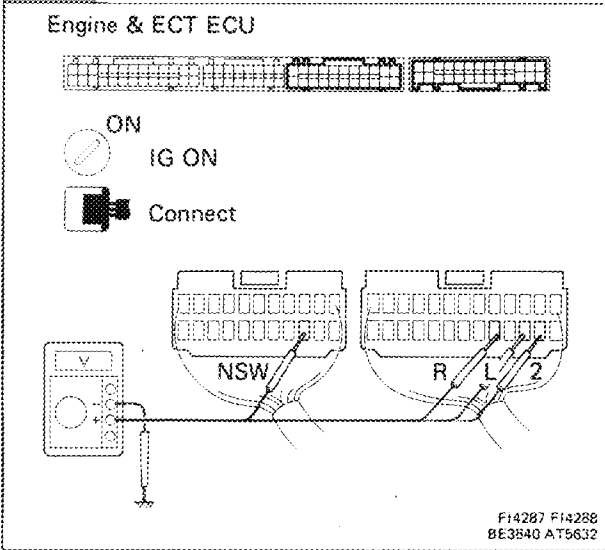


AT5495

# INSPECTION PROCEDURE

1

**Check voltage between terminal R, NSW, 2, L of engine & ECT ECU connector and body ground.**



**P** Remove engine & ECT ECU with connector still connected.

- C**
1. Turn ignition switch ON.
  2. Measure voltage between terminals R, NSW, 2 and L or engine & ECT ECU connector and body ground when the shift lever is positioned to the following ranges.

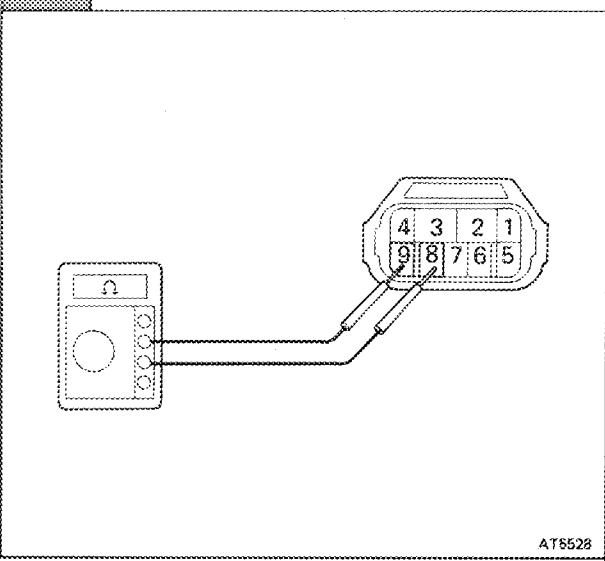
Range	R-body ground	NSW-body ground	2-body ground	L-body ground
P, N	0 V	0 V	0 V	0 V
R	12 V	12 V	0 V	0 V
D	0 V	12 V	0 V	0 V
2	0 V	12 V	12 V	0 V
L	0 V	12 V	0 V	12 V

**NG**

**OK** Proceed to next circuit inspection shown on matrix chart (See page AT-62).

2

**Check neutral start switch.**



- P**
1. Jack up the vehicle.
  2. Remove neutral start switch (See page AT-18).

**C** Check continuity between each terminal shown below when the shift lever is positioned to each range.

○—○ Continuity

Terminal / Shift Position	3 (B)	2 (N)	9 (C)	1 (P)	4 (R)	6 (N)	5 (D)	7 (2)	8 (L)
P	○—○		○—○						
R			○—○	○—○					
N	○—○	○—○	○—○			○—○			
D			○—○				○—○		
2			○—○					○—○	
L			○—○						○—○

**OK**

**NG** Replace neutral start switch.

3

**Check harness and connector between engine & ECT ECU and neutral start switch, neutral start switch and battery (See page IN-27).**

**OK**

**NG** Repair or replace harness and connector.

**Check and replace engine & ECT ECU.**