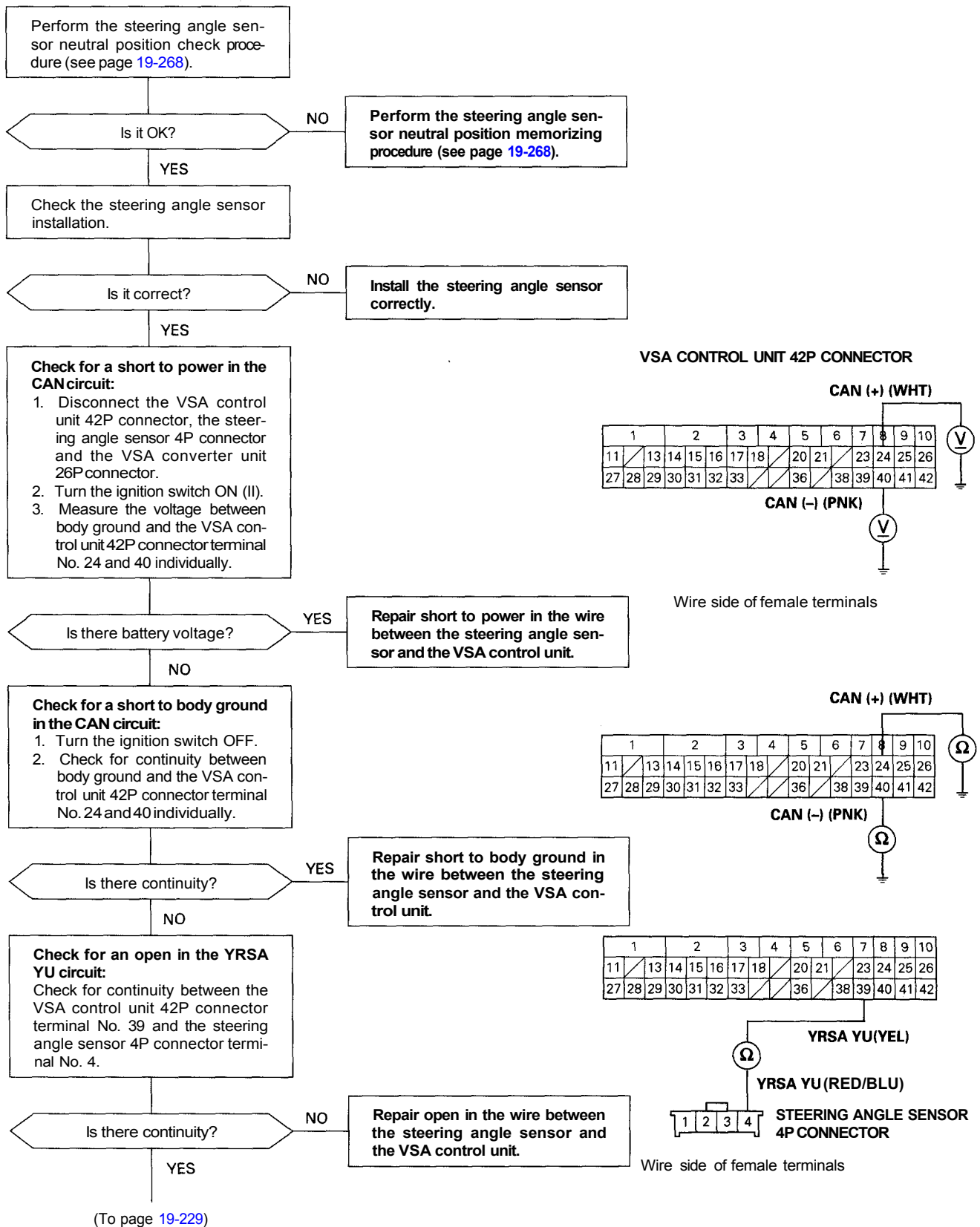


DTC 27: Steering Angle Sensor



(From page 19-228)

Check for an open in the YRSA YM circuit:

Check for continuity between the VSA control unit 42P connector terminal No. 21 and the steering angle sensor 4P connector terminal No. 1.

Is there continuity?

NO

Repair open in the wire between the steering angle sensor and the VSA control unit.

YES

Check for an open in the CAN (+) circuit:

Check for continuity between the VSA control unit 42P connector terminal No. 24 and the steering angle sensor 4P connector terminal No. 2.

Is there continuity?

NO

Repair open in the wire between the steering angle sensor and the VSA control unit.

YES

Check for an open in the CAN (-) circuit:

Check for continuity between the VSA control unit 42P connector terminal No. 40 and the steering angle sensor 4P connector terminal No. 3.

Is there continuity?

NO

Repair open in the wire between the steering angle sensor and the VSA control unit.

YES

Check the steering angle sensor:

1. Substitute a known-good steering angle sensor.
2. Connect all of disconnected connector.
3. Clear the DTC.
4. Test drive the vehicle around a number of corners.
5. Verify the DTC.

Is DTC 27 indicated?

NO

Replace the steering angle sensor.

YES

Replace the VSA modulator-control unit.

VSA CONTROL UNIT 42P CONNECTOR

1	2	3	4	5	6	7	8	9	10
11	13	14	15	16	17	18	20	21	23
27	28	29	30	31	32	33	36	38	39
								40	41
								42	

YRSA YM
(RED/BLU)Wire side of
female terminalsYRSA YM
(RED/WHT)**STEERING ANGLE
SENSOR 4P
CONNECTOR**

Wire side of female terminals

1	2	3	4	5	6	7	8	9	10
11	13	14	15	16	17	18	20	21	23
27	28	29	30	31	32	33	36	38	39
								40	41
								42	

CAN (+)(WHT)**CAN (+)(RED)**

1	2	3	4

1	2	3	4	5	6	7	8	9	10
11	13	14	15	16	17	18	20	21	23
27	28	29	30	31	32	33	36	38	39
								40	41
								42	

CAN (-)(PNK)**CAN (-)(WHT)**

1	2	3	4