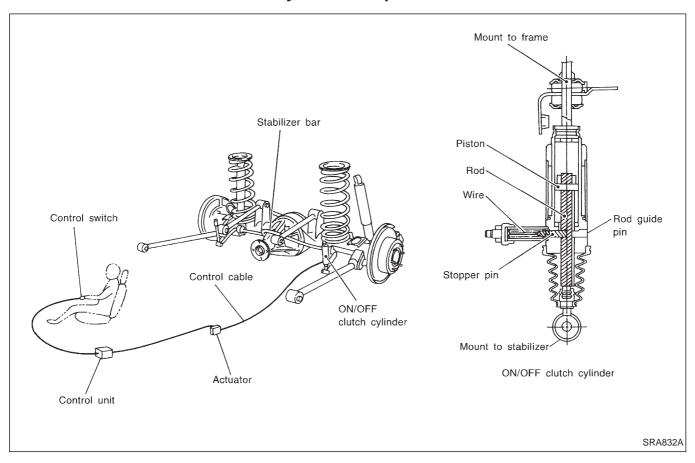
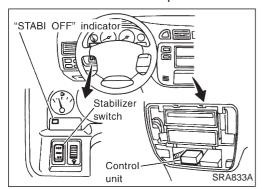
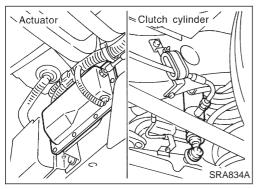
System Components



Roll rigidity is increased by activating the stabilizer function (turning the stabilizer ON) on good roads. On rough roads, deactivating the stabilizer function (turning the stabilizer OFF) reduces stabilizer swing-back behavior. As a result, the stabilizer release device serves to increase driving capability and riding comfort on rough roads. The stabilizer release device is electrically activated (turned ON) or deactivated (turned OFF) by the stabilizer switch in the driver's compartment.





System Description

CONTROL UNIT

The stabilizer control unit controls the actuator motor using the stabilizer switch and a signal sent from the vehicle speed sensor. When vehicle speed exceeds 20 km/h (12 MPH), the stabilizer control unit maintains the clutch cylinder position and activates the stabilizer function, regardless of the position of the stabilizer switch. The system is provided with a timer function to cut the actuator activating power output in about 15 seconds, in consideration of a possible system abnormality.

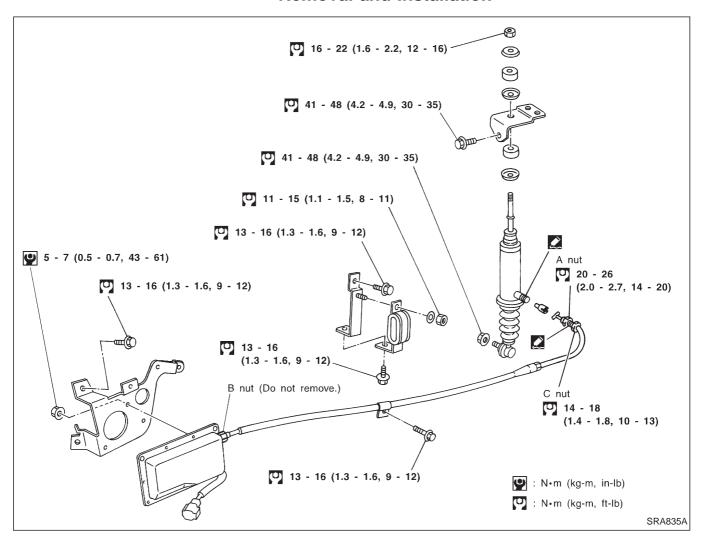
ACTUATOR

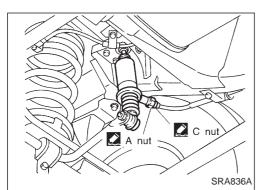
The actuator motor is turned on by a signal sent from the control unit. When the motor operates, the cable moves to activate the stopper pin at the end of the cable.

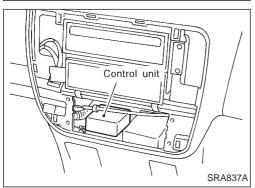
CLUTCH CYLINDER

The stopper pin (at the end of the cable) moves in and out of the cylinder (toward the piston rod or away from the piston rod) to turn the stabilizer ON or OFF.

Removal and Installation





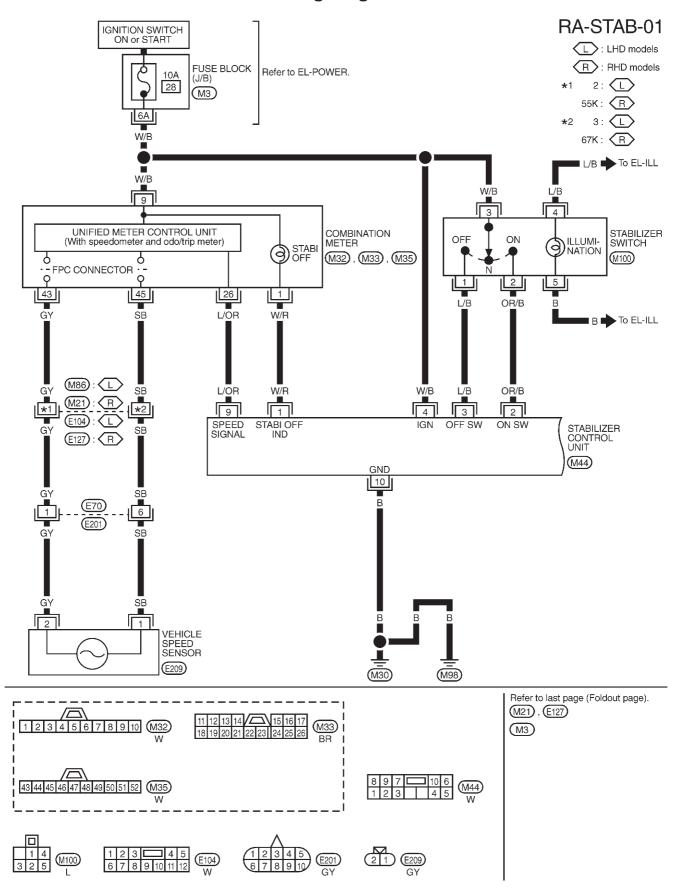


1. Loosen the lock nut C, and loosen the A nut. Remove the cable from the clutch cylinder.

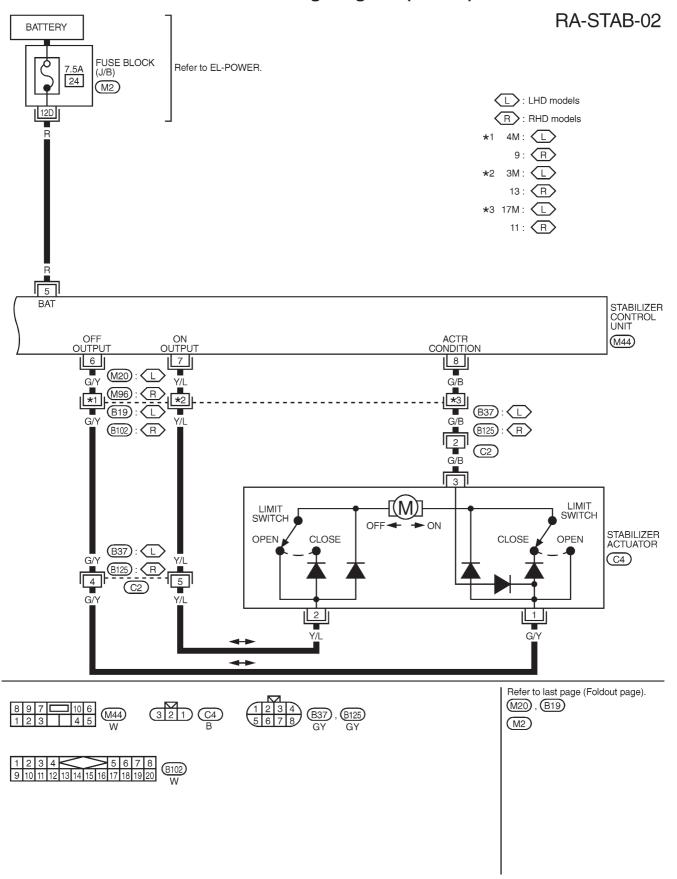
CAUTION:

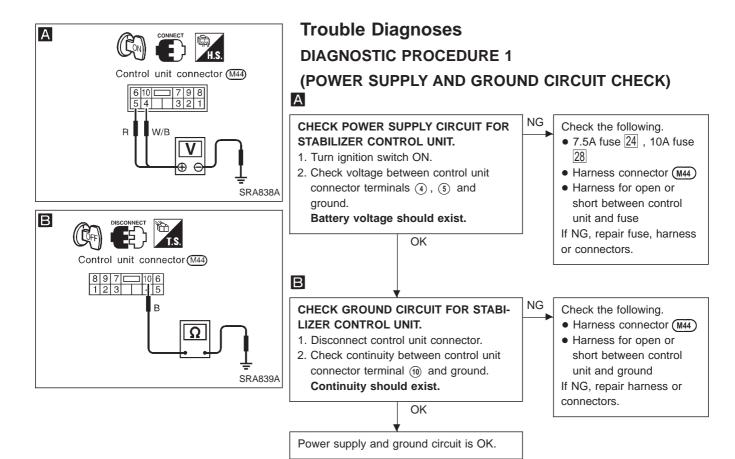
- Do not remove the B nut because this requires the inner cable extension adjustment.
- Before installing the A and C nuts, use seal tape to wrap the clutch cylinder thread area and cable thread area.
- 2. Remove the clamp and other fasteners which secure the cable.
- 3. Remove the stabilizer actuator connector.
- 4. Remove the stabilizer actuator.
- 5. Remove the clutch cylinder.
- Before removing the stabilizer control unit, remove cluster lid C and audio equipment. Refer to the BT section "INSTRUMENT PANEL".

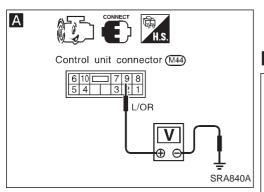
Wiring Diagram



Wiring Diagram (Cont'd)

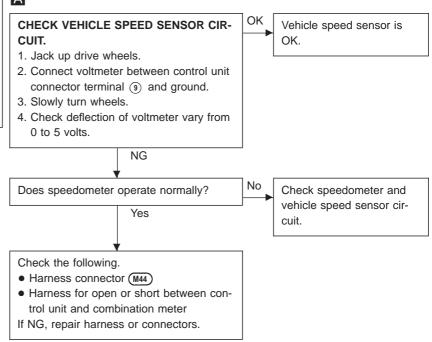


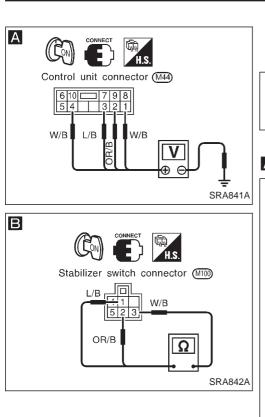




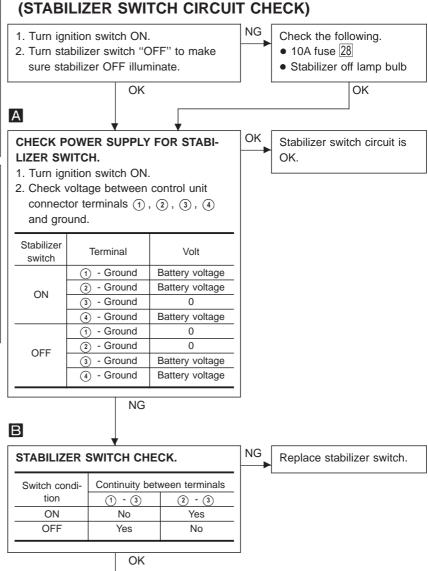
Trouble Diagnoses (Cont'd) DIAGNOSTIC PROCEDURE 2 (VEHICLE SPEED SENSOR CIRCUIT CHECK)

Α





Trouble Diagnoses (Cont'd) DIAGNOSTIC PROCEDURE 3 (STABILIZER SWITCH CIRCUIT CHECK)



Check the following.

- Harness connectors (M32), (M44), (M100)
- Harness for open or short between control unit and stabilizer switch, combination meter
- Combination meter

If NG, repair harness or connectors.

Trouble Diagnoses (Cont'd) INSPECTION OF STABILIZER RELEASE DEVICE CONTROL UNIT



6	10		7	9	8
5	4		3	2	1

SRA853A

Terminal No.		Parts of check	Specifications	
1	_	Stabilizer off indicator	Key switch ON,	Stabilizer switch ON: 0 volts OFF: Approx. 0.6 volts
2		Stabilizer switch	Key switch ON	Stabilizer switch ON: Battery voltage (Approx. 12 volts) OFF: 0 volts
3			Key switch ON	Stabilizer switch ON: 0 volts OFF: Battery voltage (Approx. 12 volts)
4			Key switch	ON: Battery voltage (Approx. 12 volts) OFF: volts
5		Power supply	Always battery voltage (Approx. 12 volts)	
6	Body ground	Stabilizer actuator	Key switch ON	Stabilizer switch ON: 0 volts OFF: After turning stabilizer switch "OFF", battery voltage (Approx. 12 volts) will exist for about 15 seconds, then drop to 0 volts.
7			Key switch ON	Stabilizer switch ON: After turning stabilizer switch "ON", battery voltage (Approx. 12 volts) will exist for about 15 seconds, then drop to 0 volts. OFF: 0 volts
8			Key switch	ON: Approx. 4 volts OFF: 0 volts
9		Vehicle speed sensor	During extremely low speeds	Varies from 0 volts to 5 volts
10		Ground		_

SERVICE DATA AND SPECIFICATIONS (SDS)

General Specifications

Suspension type	5-link type rigid with coil spring		
Shock absorber type	Double-acting hydraulic		
Stabilizer	Standard equipment		

Inspection and Adjustment

WHEEL BEARING

Total end play	mm (in)	0 (0)	
Wheel bearing preload cage bolt	at bearing N (kg, lb)	8.8 - 42.2 (0.9 - 4.3, 2.0 - 9.5)	