CLOCK SPRING REMOVAL/INSTALLATION
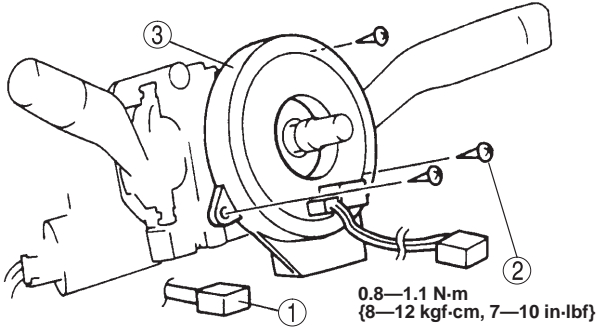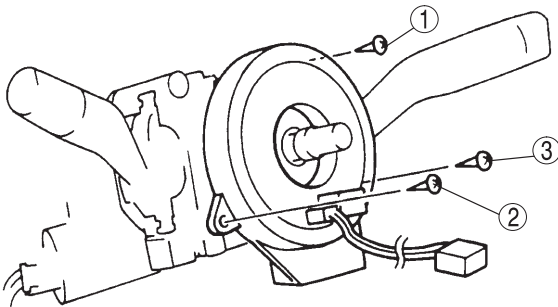1. Remove the driver-side air bag module.
   (Refer to DRIVER-SIDE AIR BAG MODULE
   REMOVAL/INSTALLATION.)
2. Remove the steering wheel. (Refer to section N,
   MANUAL STEERING, STEERING WHEEL AND
   COLUMN REMOVAL/INSTALLATION.)
3. Remove the column cover.
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.

0.8—1.1 N·m
{8—12 kgf·cm, 7—10 in·lbf}

1	Connector
2	Screw + Installation Note
3	Clock spring

Screw Installation Note
● Fasten the screws in the order in the figure.
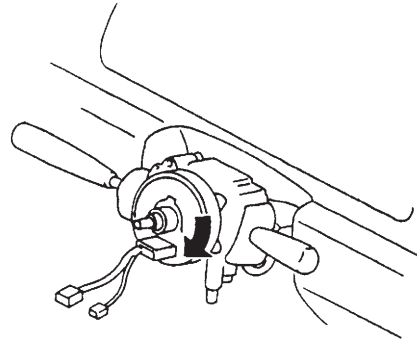

CLOCK SPRING ADJUSTMENT
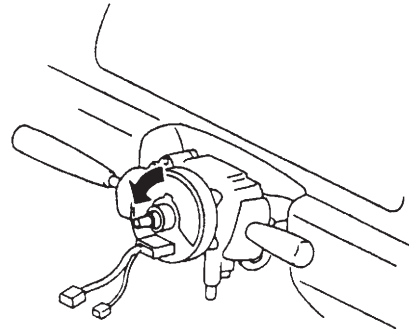1. Set the front wheels straight ahead.

Caution
● **The clock spring will break if over-wound. Do not forcibly turn the clock spring when turning it.**
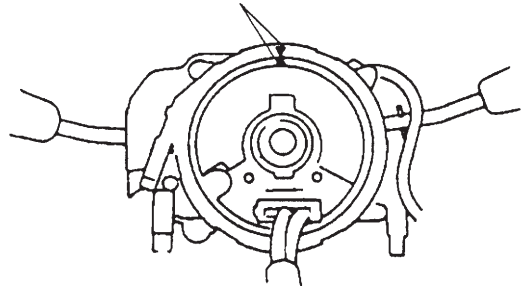
2. Turn the clock spring clockwise until it stops.

3. Turn the clock spring counterclockwise **2.75 turns**.

4. Align the mark on the clock spring with that on the outer housing.

ALIGNMENT MARKS

CLOCK SPRING INSPECTION
1. Remove the driver-side air bag module. (Refer to DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
2. Disconnect the clock spring connector.
3. Inspect for continuity between the clock spring terminals using an ohmmeter.

○—○ : Continuity

Test condition	Terminal					
	1A	**1B**	**2D**	**3A**	**3B**	**4D**
Constant	○			○		
		○			○	
			○			○

VEHICLE-SIDE

2D 2C 2B 2A

1B 1A

AIR BAG MODULE-SIDE

3B 3A

4D 4C 4B 4A
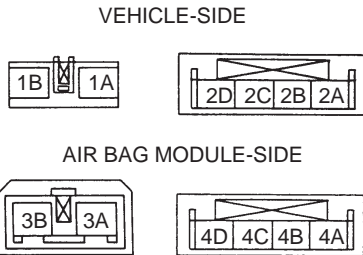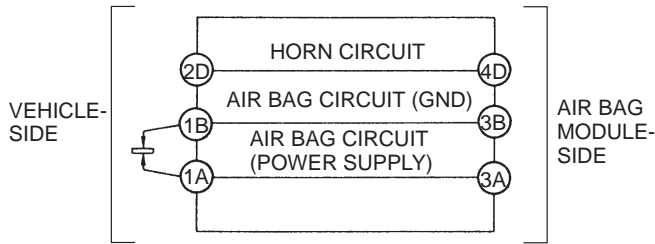
Note
● When the vehicle-side connector of clock spring is disconnected, terminals 1A and 1B are shorted to prevent unexpected deployment of the air bag module.

4. If not as specified, replace the clock spring.

AIR BAG MODULE DEPLOYMENT AUTHORIZATION PROCEDURE
1. Install a new SAS unit. Turn the ignition switch to ON position and verify that the air bag system warning light illuminates for **approximately 6 seconds**, goes out, and then flashes continuously.
2. If a diagnostic trouble code is indicated (the air bag system warning light doesn't flash continuously), perform the appropriate ON-BOARD DIAGNOSTIC FUNCTION. (Refer to ON-BOARD DIAGNOSTIC FUNCTION, AIR BAG SYSTEM.) When the malfunctions have been repaired and the air bag system warning light flashes continuously, go to Step 3.
3. If the air bag system warning light flashes continuously, turn the ignition switch to LOCK position then back to ON position after **more than approximately 1 second**.
4. Verify that the air bag system warning light illuminates for **approximately 6 seconds** and then goes off.
5. If the light stays on, perform the deployment authorization procedure again.

AIR BAG MODULE DEPLOYMENT PROCEDURE

Caution
● **Deploying the air bag modules inside the vehicle may cause damage to the vehicle interior. When the vehicle is not to be scrapped, always deploy the air bag modules outside the vehicle.**

Note
● If the **SSTs** (Deployment Tool and Adapter Harness) are not available, consult the nearest Ford representative for assistance.

● When the vehicle is to be scrapped, deploy the air bag modules inside the vehicle. (Refer to Deployment Procedure for Inside of Vehicle.)
● When the vehicle is not to be scrapped, deploy the air bag modules outside the vehicle. (Refer to Deployment Procedure for Outside of Vehicle.)

Deployment Procedures for Inside of Vehicle
1. Inspect the **SST** (Deployment Tool). (Refer to INSPECTION OF SST (DEPLOYMENT TOOL).)
2. Move the vehicle to an open space, away from strong winds, and close all doors and windows.
3. Turn the ignition switch to LOCK position.
4. Disconnect the negative battery cable and wait for **more than 1 minute**.
5. Follow the appropriate procedure for deploying the driver-side air bag module or passenger-side air bag module.

Driver-side air bag module
● Remove the column cover, disconnect the clock spring connector, then connect the **SST** (Adapter Harness) to the clock spring as shown in the figure.

CLOCK SPRING CONNECTOR

49 D066 002
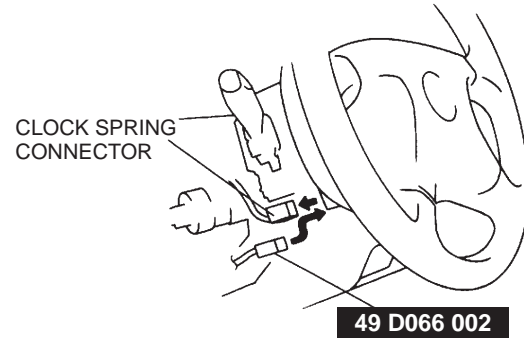
Passenger-side air bag module
● Remove the glove compartment, disconnect the passenger-side air bag module connector, then connect the **SST** (Adapter Harness) to the passenger-side air bag module as shown in the figure.

PASSENGER-SIDE AIR BAG MODULE CONNECTOR

49 D066 002
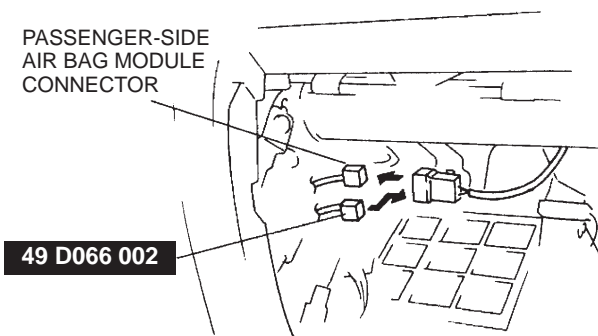
6. Connect the **SST** (Deployment Tool) to the **SST** (Adapter Harness).