

Figure 2 – Steering Wheel Assembly Controls – (Pontiac)

or the storage battery assembly is disconnected. Many of the service procedures require disconnection of the “AIR BAG” fuse and the inflator module circuits from the deployment loops to avoid an accidental deployment.

Disabling the SIR System

↔ Remove or Disconnect

1. Turn steering wheel assembly so vehicle tire and wheel assemblies are pointing straight ahead.
2. Turn ignition switch to “LOCK.”
3. “AIR BAG” fuse from instrument panel fuse block.
4. Left-hand instrument panel sound insulator assembly. Refer to SECTION 8C.
5. Connector position assurance (CPA) and yellow two-way SIR connector at base of steering column assembly.
6. Instrument panel compartment door assembly. Refer to SECTION 8C.
7. Connector position assurance (CPA) and yellow two-way SIR connector located near yellow 24-way DERM connector on instrument panel wiring harness assembly.

! Important

- With “AIR BAG” fuse removed and ignition switch in “RUN,” “AIR BAG” warning/indicator lamp on instrument panel cluster assembly will light. This is normal operation and does not indicate SIR system fault.

Enabling the SIR System

↔ Install or Connect

1. Turn ignition switch to “LOCK.”
2. Yellow two-way SIR connector and connector position assurance (CPA) located near yellow 24-way DERM connector on instrument panel wiring harness assembly.

3. Instrument panel compartment door assembly, refer to SECTION 8C.
4. Yellow two-way SIR connector and connector position assurance (CPA) at base of steering column assembly.
5. Left-hand instrument panel sound insulator assembly, refer to SECTION 8C.
6. “AIR BAG” fuse to instrument panel fuse block.
7. Turn ignition switch to “RUN” and verify “AIR BAG” warning/indicator lamp flashes seven times and then turns off. If “AIR BAG” warning/indicator lamp does not respond as described, refer to SECTION 9J.

Live (Undeployed) Inflatable Restraint Steering Wheel Module Assembly

Special care is necessary when handling and storing a live (undeployed) inflatable restraint steering wheel module assembly. The rapid gas generation produced during deployment of the air bag could cause the inflatable restraint steering wheel module assembly, or another object placed in front of it, to be thrown through the air in the unlikely event of an accidental deployment.

CAUTION: When carrying a live inflatable restraint steering wheel module assembly, make sure the bag opening is pointed away from you. Never carry the inflatable restraint steering wheel module assembly by the wires or electrical connector on the underside of it. In case of an accidental deployment, the bag will then deploy with minimal chance of injury. When placing a live inflatable restraint steering wheel module assembly on a bench or other surface, always face the bag and trim cover up, away from the surface. Never rest a steering column assembly on the steering wheel assembly with the inflatable restraint steering wheel module assembly face down and steering column assembly vertical. This is necessary so that a free space is provided to allow the air bag to expand in the unlikely event of accidental deployment.

Deployed Inflatable Restraint Steering Wheel Module Assembly

After the inflatable restraint steering wheel module assembly has been deployed, the surface of the air bag may contain a powdery residue. This powder consists primarily of corn starch (used to lubricate the bag as it inflates) and by-products of the chemical reaction. Sodium hydroxide dust (similar to lye soap) is produced as a by-product of the deployment reaction. The sodium hydroxide then quickly reacts with atmospheric moisture and is converted to sodium carbonate and sodium bicarbonate (baking soda). Therefore, it is unlikely that sodium hydroxide will be present after deployment. As with many service procedures, you should wear gloves and safety glasses.

Inflatable Restraint Steering Wheel Module Assembly Shipping Procedures

Service personnel should refer to the latest service bulletins for proper SIR inflatable restraint steering wheel module assembly shipping procedures.

Inflatable Restraint Steering Wheel Module Assembly Scrapping Procedures

During the course of a vehicle's useful life, certain situations may arise which will necessitate the disposal of a live (undeployed) inflatable restraint steering wheel module assembly. This information covers proper procedures for disposing of a live inflatable restraint steering wheel module assembly.

Before a live inflatable restraint steering wheel module assembly can be disposed of, it must be deployed. Live inflatable restraint steering wheel module assemblies must not be disposed of through normal refuse channels.

CAUTION: Failure to follow proper supplemental inflatable restraint (SIR) inflatable restraint steering wheel module assembly disposal procedures can result in air bag deployment which may cause personal injury. Undeployed inflatable restraint steering wheel module assemblies must not be disposed of through normal refuse channels. The undeployed inflatable restraint steering wheel module assembly contains substances that can cause severe illness or personal injury if the sealed container is damaged during disposal. Disposal in any manner inconsistent with proper procedures may be a violation of federal, state and/or local laws.

If a vehicle is the subject of a Product Liability Report related to the SIR system and is subject to a Preliminary Investigation (GM-1241), DO NOT DEPLOY the inflatable restraint steering wheel module assembly and DO NOT ALTER the SIR system in any manner. Refer to the applicable service bulletin on SIR shipping procedures for details on handling SIR systems involved with GM-1241. If a vehicle is the subject of a campaign affecting inflatable restraint steering wheel module assemblies, DO NOT DEPLOY the inflatable restraint steering wheel module assembly. Follow instructions in the campaign service bulletin for proper disposition of the inflatable restraint steering wheel module assembly.

If an inflatable restraint steering wheel module assembly is replaced under warranty, DO NOT DEPLOY the air bag. The inflatable restraint steering wheel module assembly may need to be returned, undeployed, to Inland Fisher Guide. Refer to procedures shown in the appropriate service bulletin regarding SIR shipping procedures.

In situations which require deployment of a live (undeployed) inflatable restraint steering wheel module assembly, deployment may be accomplished inside or outside the vehicle. The method employed depends upon the final disposition of the particular vehicle. Refer to SECTION 9J.

IGNITION SWITCH AND DIMMER SWITCH ASSEMBLY

Figures 3 and 4

Remove or Disconnect

1. Left-hand instrument panel sound insulator assembly. Refer to SECTION 8C.
2. Instrument panel driver knee bolster assembly and deflector. Refer to SECTION 8C.
3. Disable SIR system. Refer to "Disabling the SIR System" in this section.
4. Ensure steering column lock and ignition cylinder assembly is in "LOCK" position.
5. Steering column upper support nuts from steering column support. Refer to "Steering Column Assembly Removal" in this section.
6. Lower column assembly (15).
7. Electrical connectors from dimmer switch assembly (25) and ignition switch (24).
8. Dimmer switch actuator rod (27).
9. Bolts/screws (28).
10. Dimmer switch assembly (25).
11. Bolt/screw (26).
12. Ignition switch actuator rod (29).
13. Ignition switch (24).
14. Automatic transmission park lock cable assembly, if equipped. Refer to SECTION 7A.

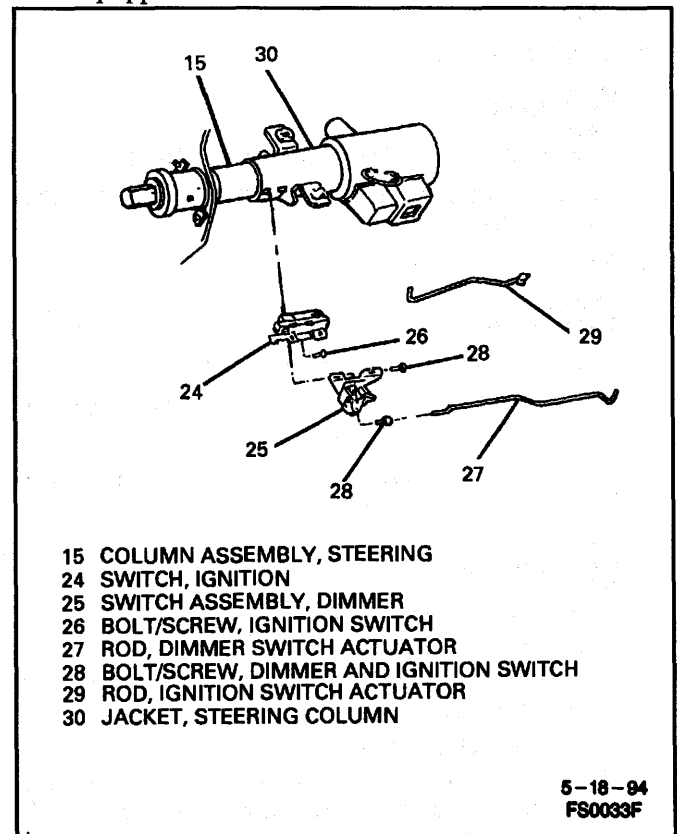


Figure 3 - Ignition Switch and Dimmer Switch Assembly

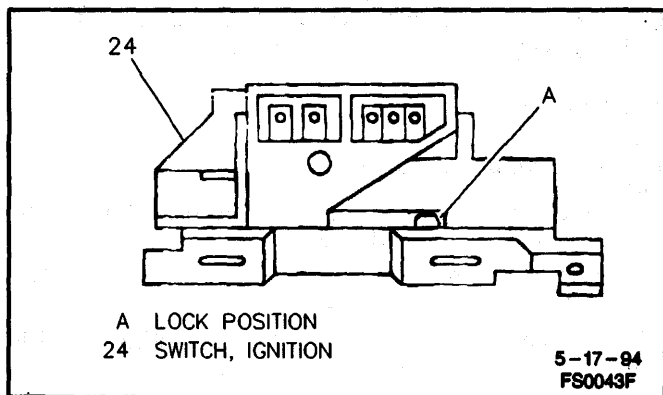


Figure 4 - Ignition Switch Adjustment

Install or Connect

NOTICE: See "Notice" on page 3F-1 of this section.

1. Automatic transmission park lock cable assembly, if equipped. Refer to SECTION 7A.
2. Ensure ignition switch (24) is in "LOCK" position.
 - Move switch slider to extreme right position and then move slider one detent left.
3. Ensure steering column lock and ignition cylinder assembly is in "LOCK" position.
4. Ignition switch (24) to jacket (30).
5. Ignition switch actuator rod (29) to ignition switch (24).
6. Bolt/screw (26).

Tighten

- Bolt/screw (26) to 2.5 N•m (22 lb. in.).

7. Position dimmer switch assembly (25) to ignition switch (24).
8. Bolts/screws (28).

Adjust

- Dimmer switch assembly (25).
 - Press switch mechanism slightly to insert 3/32-inch drill bit.
 - Move dimmer switch assembly (25) to remove lash.

Tighten

- Bolts/screws (28) to 4 N•m (35 lb. in.).
9. Dimmer switch actuator rod (27).
 10. Electrical connectors to dimmer switch assembly (25) and ignition switch (24).
 11. Raise column assembly (15).
 12. Steering column upper support nuts to steering column support. Refer to "Steering Column Assembly Removal" in this section.
 13. Enable SIR system. Refer to "Enabling the SIR System" in this section.

14. Instrument panel driver knee bolster assembly and deflector. Refer to SECTION 8C.
15. Left-hand instrument panel sound insulator assembly. Refer to SECTION 8C.

TURN SIGNAL LEVER ASSEMBLY

Figure 5

Remove or Disconnect

1. Steering column tilt wheel release lever assembly, if equipped with cruise control. Refer to "Steering Column Tilt Wheel Release Lever Assembly" in this section.
2. Access cover, if equipped with cruise control.
3. Electrical connectors, if equipped with cruise control.
4. Turn signal lever assembly (5 or 31) by grasping firmly and pulling straight out.

Install or Connect

1. Position tang on turn signal lever assembly (5 or 31) to notch in column assembly (15).

Important

- Be sure the wiper switch is in the "OFF" position before installing turn signal lever assembly (5 or 31).
2. Turn signal lever assembly (5 or 31) to column assembly (15).

Important

- Be sure the turn signal lever assembly (5 or 31) is fully seated.
3. Electrical connectors, if equipped with cruise control.
 4. Access cover, if equipped with cruise control.
 5. Steering column tilt wheel release lever assembly, if equipped with cruise control. Refer to "Steering Column Tilt Wheel Release Lever Assembly" in this section.

HAZARD WARNING SWITCH

The hazard warning switch does not require removal of the steering column assembly for replacement. For service information, refer to SECTION 3F5B.

Hazard Warning Switch Knob

Figure 6

Remove or Disconnect

1. Bolt/screw (18).
2. Button (19), spring (20) and knob (21).

Install or Connect

NOTICE: See "Notice" on page 3F-1 of this section.

1. Knob (21), spring (20) and button (19).