

DIAGNOSIS AND TESTING

DESCRIPTION (Continued)

Ignition Switch Electrical Diagnosis

Refer to Section 11-05 for Blade Terminal-Type Connector Switch—Mechanical Test.

Refer to the following chart for ignition switch diagnosis.

IGNITION SWITCH MECHANICAL DIAGNOSIS

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> High Key Efforts 	<ul style="list-style-type: none"> Damaged lock cylinder. Shrouds mis-aligned. Casting / actuator binds, sticks, grabs, with key rotation. Damaged ignition switch. 	<ul style="list-style-type: none"> Lubricate cylinder and check for burrs on key and / or correct key cut. If effort is still excessive, replace lock cylinder. Align shroud to fit properly. If improper fit between casting and actuator exists, replace parts. If burrs are found on actuator surfaces which contact the casting during key travel, gently file these surfaces until smooth. At no time attempt to file teeth of actuator. If serious burrs are found on casting surface which contact actuator during key travel, replace the casting. If actuator teeth show excessive wear or are burred, replace actuator. Assemble lock housing assembly taking care to thoroughly lube all internal components with Multi-Purpose Grease DOAZ-19584-AA (ESR-M1C159-A, ESB-M1C93-A) or equivalent and check key efforts. If still high, replace lock housing assembly. Replace the ignition switch.

TG5186C

Steering Column

Refer to the following charts for steering column diagnosis procedures.

STEERING COLUMN DIAGNOSIS

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> Squeak, Moan When Steering Wheel Turned 	<ul style="list-style-type: none"> Gear rolled up or down allowing input shaft or pinch bolt to contact boot. 	<ul style="list-style-type: none"> Reposition rack and pinion to proper position and / or reposition boot.
<ul style="list-style-type: none"> Engine Compartment Noise, Fumes, Heat, Vapors and / or Water and Liquids Enter Passenger Compartment 	<ul style="list-style-type: none"> Seal distorted leaving gap to lower shaft. Seal missing. Boot retaining nuts missing. Boot mispositioned. Dash absorber under boot sealing surface. Dash panel surface deformed. Boot missing. Boot cut or torn. Improper assembly of power steering isolator plastic sleeve. 	<ul style="list-style-type: none"> Replace boots with visual gaps. Realign gear and / or boot to specifications. If condition isn't resolved, replace boot. Replace boot. Install nuts. Reposition boot. Reposition absorber under gap-hinder lip. Replace rope caulk on sealing surface of boot. Install new boot. Install new boot. Replace boot.