

Steering Columns

SAAB

99

DESCRIPTION

Steering columns used on this model is a safety, telescopic type. The lower portion of the steering shaft is designed to retract into the upper portion when frontal impact is experienced. Steering column tube is mounted at one end to pedal bracket and at other end to body. An intermediate shaft, with "U" joints at each end, transmit steering column movement to steering gear. Models with power steering units are provided with a double "U" joint.

REMOVAL & INSTALLATION

STEERING COLUMN

Removal — Unscrew locking bolt at universal joint. Remove two lower retaining screws at pedal bracket and two upper column-to-instrument panel retaining screws. Detach quick-release wiring connection and lift out steering column assembly.

CAUTION — *Steering wheel must be mounted on shaft before column is installed. Otherwise, tension on wheel and column may result.*

Installation — Position steering column tube in place with steering shaft and wheel attached. Bolt steering shaft to "U" joint. Make sure mounting bolt is opposite groove in steering

shaft. Tighten bolt. Mount steering column tube to pedal bracket and body. Connect electrical harness. Adjust steering wheel.

INTERMEDIATE SHAFT SEALING BELLOWS

Removal — Remove cover under instrument panel. Unscrew steering column-to-intermediate shaft retaining screw. Unbolt column tube from instrument panel. Pull steering column from intermediate shaft. Cut off old sealing bellows.

Installation — Lubricate suitable installation tool (899581) with vaseline or soapy water. Place tool against intermediate shaft. Ease new bellows over tool and joint. Ensure bellows are not damaged in this process. Replace steering column into intermediate shaft. Make sure that shaft is pushed in so that screw is located directly opposite the groove. Tighten retaining screw. Attach steering column to instrument panel. Check position of steering wheel and adjust if necessary. Fit bellows in dash panel. Replace cover under instrument panel.

OVERHAUL

STEERING COLUMN

Disassembly — Remove three retaining screws and remove plastic cover under steering wheel. Pull steering wheel shaft out of tube. Withdraw two rubber bushings with steering wheel shaft bushings and washers.

Assembly — To assemble, reverse disassembly procedure, after replacing required bushings.

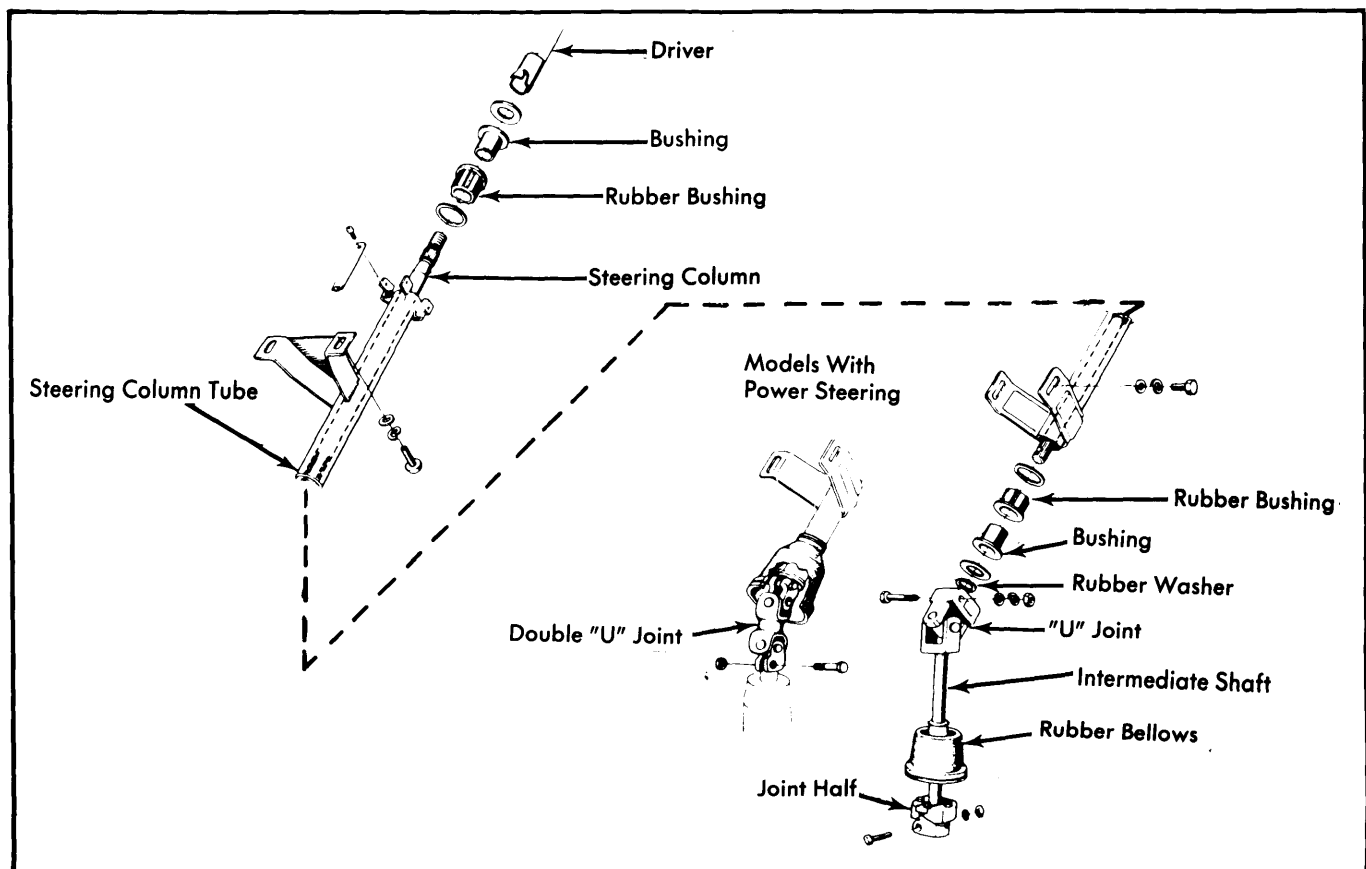


Fig. 1 Exploded View of Steering Column Assembly