

# Steering Columns

## MG MIDGET

### Midget

### REMOVAL & INSTALLATION

#### STEERING COLUMN

**Removal** - 1) Disconnect battery cable. Remove heater air intake hose. Remove pinch bolt securing steering column clamp to steering gear pinion shaft, then remove screws securing floor board cover plate.

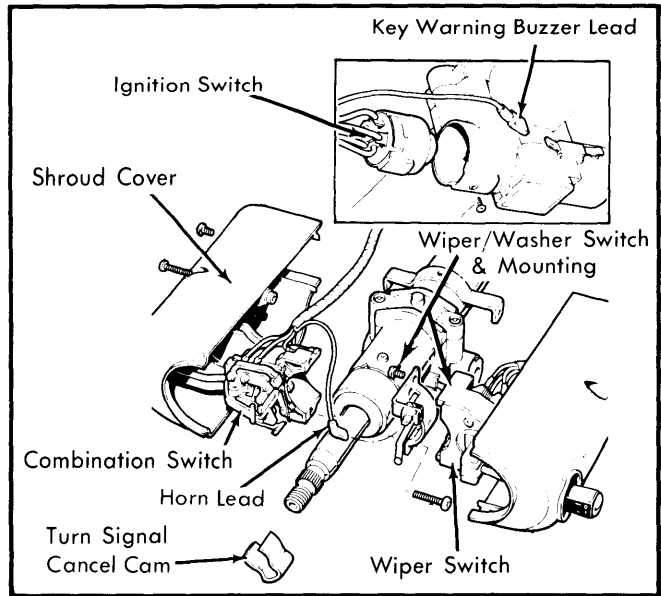
2) Note location, quantity, and thickness of spacing washers between upper column mount and body mount. Remove 3 nuts, bolts, and washers keeping column to upper flange and body bracket. Gather packing washers.

3) Disconnect steering column wiring harness at connector below fascia. Remove steering column with steering wheel and switches.

**Disassembly** - 1) Remove steering wheel. See *Midget* under **STEERING WHEELS & COLUMN SWITCHES** in this Section.

2) Remove 4 small screws attaching shroud halves to steering column. Remove shrouds. Remove 2 small screws mounting wiper switch and slide switch out.

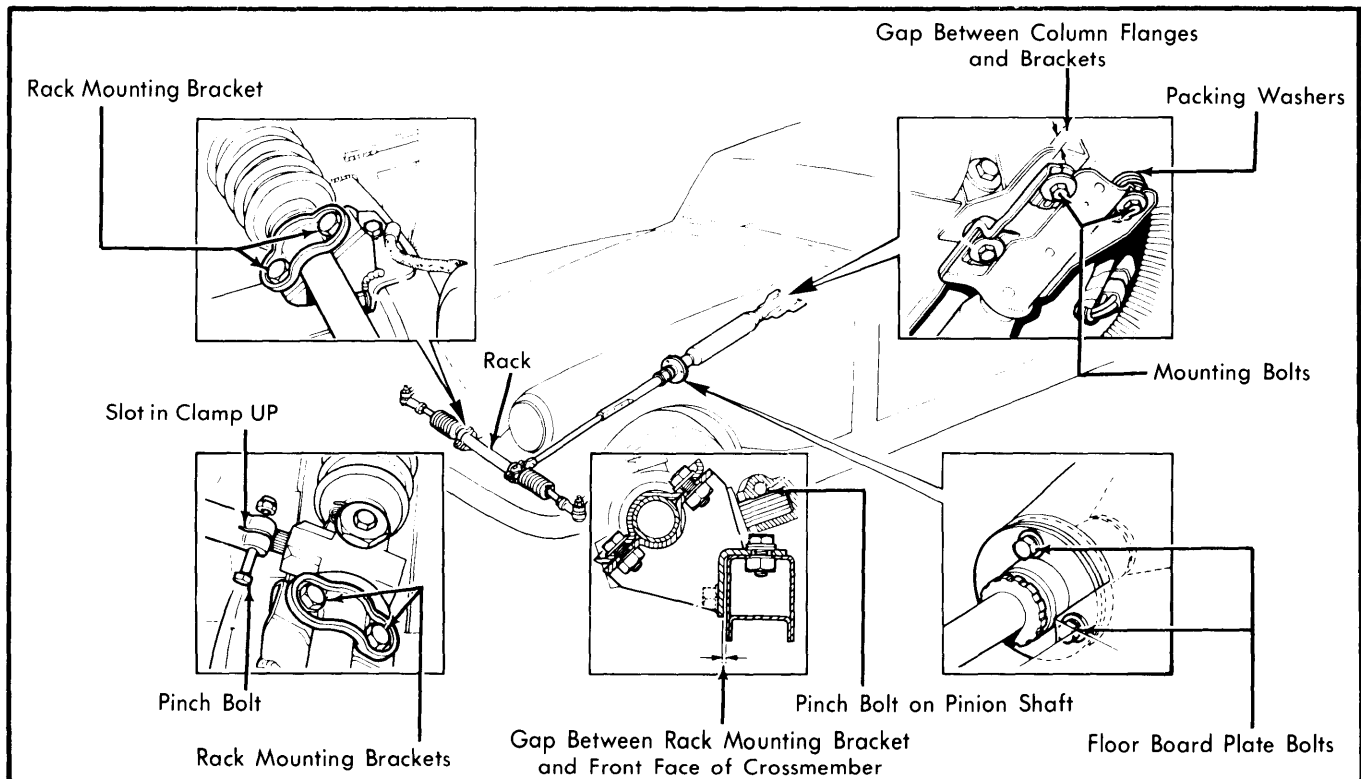
3) Remove 2 screws holding turn signal combination switch, disconnect horn slip ring and remove switch. Disconnect key warning buzzer lead at steering column, then remove ignition switch. Note position of turn signal canceller and remove from column.



**Fig. 1** Items to Remove for Disassembly of Steering Column

**Reassembly** - Reverse disassembly procedure.

**Installation** - 1) If a new steering column is being installed or if spacer washers were lost, steering column must be aligned. See *Steering Column Alignment*.



**Fig. 2** Preparation and Steps for Completing Steering Rack and Column Alignment

## MG MIDGET (Cont.)

2) To install old steering column, reverse removal procedure. Make sure spacer washers are installed in original position. Tighten all bolts and nuts.

### STEERING COLUMN ALIGNMENT

**NOTE**— Procedure given is for installing column to an existing rack assembly.

1) Place rack in straight-ahead position with flat of pinch bolt at highest point on pinion. Slide column into position with floor board plate. Put column straight-ahead and position clamp slot up. Fit steering column over pinion shaft.

2) Fit column to upper mounting bracket and finger tighten nut. Make sure column passes through center of floor board plate. Make sure mounting bracket is straight.

3) Measure gap between upper column mounting flanges and brackets. Select correct thickness packing washers and finger tighten nuts.

4) Tighten cover plate at floor board. Tighten pinion shaft pinch bolt.

5) Rotate steering wheel from stop to stop. Note movement of rack assembly in relation to crossmember. Slowly move steering wheel in each direction until neutral position of rack is located.

6) Measure distance between rack mounting bracket at pinion end and front face of body crossmember. Install packing washers thickness of gap.

7) Remove pinion pinch bolts and floor board plate bolts. Push and pull on steering column and make sure column is free to slide. If column is too tight on pinion rack, recheck alignment. When alignment is correct tighten nuts and bolts.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Upper Column Mounting Bolts .....	12-17 (1.7-2.4)
Pinion Shaft Pinch Bolt .....	9-12 (1.2-1.7)
Steering Wheel Nut .....	37 (5.1)