

Steering Columns

DATSUN F10, 200SX, B210, 510 & 810

F10
200SX
B210
510
810

DESCRIPTION

Steering column used on Datsun vehicles are safety, collapsible type. These columns compress on impact. F10 models use two universal joints between column and steering gear. These joints provide steering wheel most desirable position and angle. On all other models, a flexible rubber coupling attaches column to steering gear assembly.

REMOVAL & INSTALLATION

NOTE — During any service procedure involving the steering assembly, do not hammer or exert extreme pressure on the steering column or damage to the collapsible section may result.

Removal, F10 — 1) Disconnect lower column "U" joint from steering gear assembly. Remove steering wheel. See Datsun under **STEERING WHEEL & COLUMN SWITCHES** in this Section.

2) Remove steering column cover. Separate turn signal switch assembly and combination light switch from column.

3) Hold steering column upper portion by hand. Remove upper and lower steering column clamp mounting bolts. Remove screws keeping column hole cover assembly to instrument panel. Slide out steering column through passenger compartment.

NOTE — Do not further disassemble collapsible steering column. If components are damaged and require replacement, entire assembly must be replaced.

Inspection — 1) Check column bearings for smooth even operation. If necessary, grease bearings with suitable lubricant.

2) Check column tube for deformation or breaks. Replace components as required.

3) Check column shaft spring. Spring length should be about .512" (13 mm) under a load of about 66 lbs. (30 kg).

4) Measure distance between top end of upper column tube and top end of lower column tube. Distance should be 11.63" (295.5 mm). See Fig. 1.

Installation — 1) Set steering gear in straight-ahead position. Connect lower joint to steering column. Slide steering assembly through hole in floor board.

2) Tighten column tube mounting bolts. Loosen splined shaft set screw and connect shaft to joint. Connect opposite end to steering gear. Tighten pinch bolt and set screw.

3) Make sure column tube hole seal is not twisted and that lower lip makes contact with joint shaft.

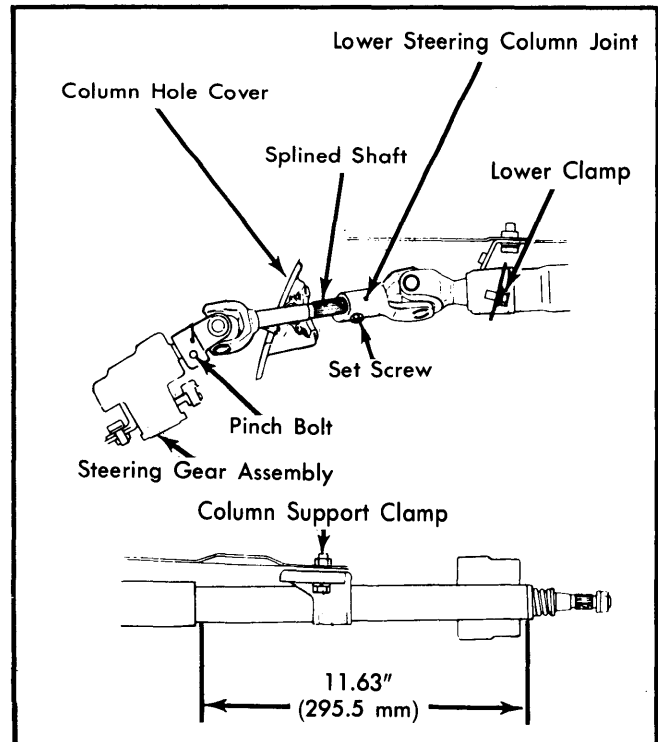


Fig. 1 Datsun F10 Steering Column Assembly

Removal, Except F10 — 1) Remove steering shaft pinch bolt. Remove steering wheel. See Datsun under **STEERING WHEEL & COLUMN SWITCHES** in this Section.

2) Remove upper and lower steering column shroud covers. Loosen screws and take off turn signal switch assembly.

3) Remove 4 bolts mounting steering column tube cover to floor board. From under instrument panel, remove bolts mounting column clamp and remove clamp. Pull steering assembly from vehicle by removing it through passenger compartment.

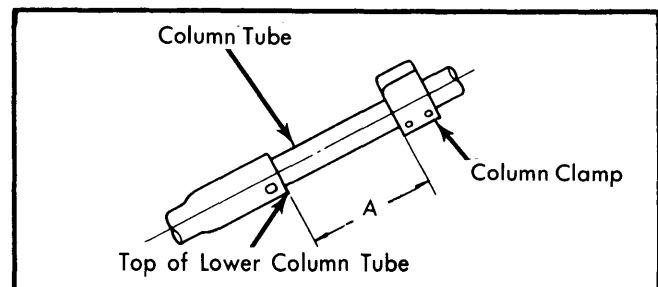


Fig. 2 Column Tube Measurement Specification

Inspection — 1) Check column bearings for smooth even operation. If necessary, grease bearings with suitable lubricant.

2) Check column tube for deformation or breaks. Replace components if necessary.

DATSUN F10, 200SX, B210, 510 & 810 (Cont.)

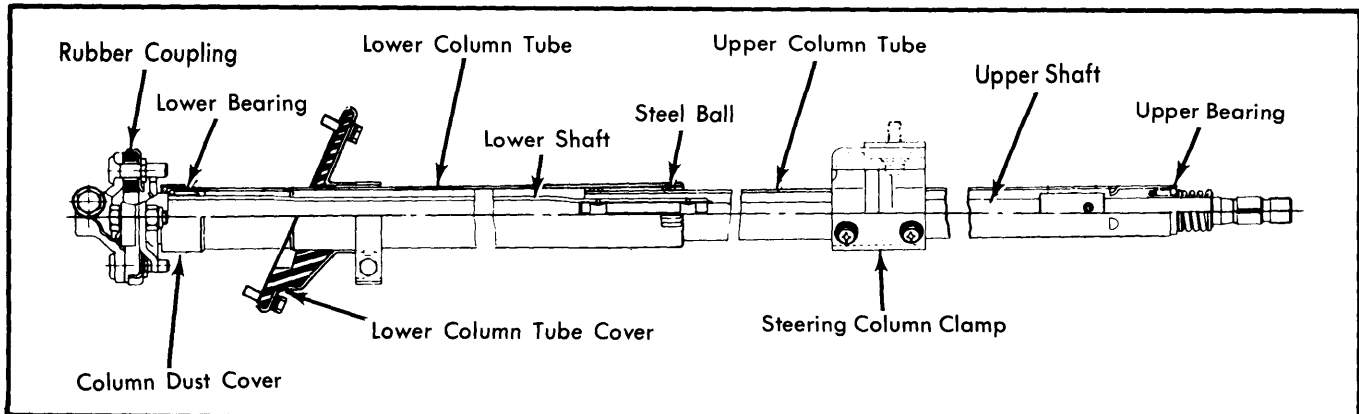


Fig. 3 Sectional View of Collapsible Steering Column - All Except F10

3) Check column shaft spring and replace spring if it seems weak.

4) On all models except 810, measure distance between column clamp and top end of lower column tube. Distance should be 7.04" (179 mm) for 200SX and B210, or 7.25" (184 mm) for 510 models. See Fig. 2, measurement A.

5) On 810 models, measure distance between top end of upper column tube and top end of lower column tube. Distance should be about 16.27" (413.5 mm).

Installation - 1) Place steering gear so wheels point straight-ahead.

2) Slide steering column in position through passenger compartment. Guide column over worm shaft. Make sure punch mark faces up, then tighten pinch bolt.

3) Fix column under instrument panel. Refit column tube cover at floor board. Reverse removal procedure for remaining components. Make sure steering wheel rotates freely.

OVERHAUL

NOTE - This article does not outline an overhaul procedure; it is recommended that, should damage to the column occur, it be replaced as an assembly.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Steering Wheel Nut	
F10	14-18 (2.0-2.5)
200SX, B210	22-25 (3.0-3.5)
510, 810	27-38 (3.7-5.3)
Steering Column Clamp Bolt	
F10	7-10 (1.0-1.4)
200SX, B210	11-13 (1.5-1.8)
510, 810	9-13 (1.2-1.5)
Column Tube-to-Instrument Panel	
B210, 810	3-3.3 (.35-.45)
Rubber Coupling-to-Worm Shaft	29-36 (4.0-5.0)
Upper Joint Shaft-to-Column Bolt	
F10	14-17 (1.9-2.4)
Lower Joint-to-Steering Gear	
F10	14-17 (1.9-2.4)