

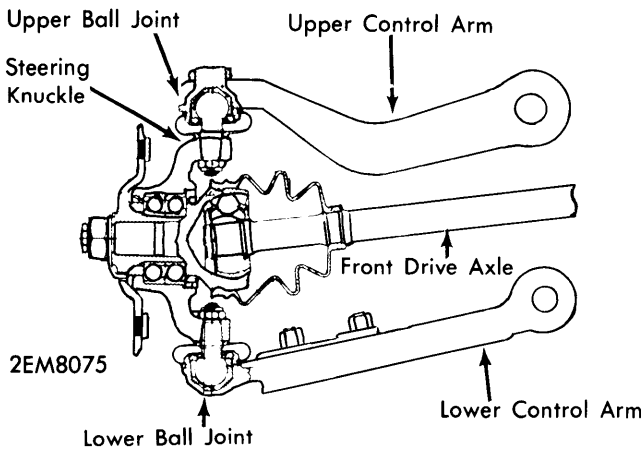
Front Suspension

1970-71 SUBARU 1100 & 1300

1100 (1970-71)
1300 (1971)

DESCRIPTION

Independent front suspension with torsion bars. Upper and lower control arms pivot in brackets integral with crossmember. Ball joints attach both upper and lower control arms to steering knuckle. Torsion bars are secured at rear to upper control arm. Front portion of torsion bar is secured to crossmember support at front of vehicle. Hydraulic shock absorbers are mounted between upper control arms and upper part of crossmember.



FRONT SUSPENSION COMPONENTS

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

See appropriate story in WHEEL ALIGNMENT Section.

WHEEL BEARING ADJUSTMENT

See appropriate story in WHEEL BEARING ADJUSTMENT Section.

BALL JOINT CHECKING

See appropriate story in BALL JOINT Section.

REMOVAL & INSTALLATION

FRONT SUSPENSION ASSEMBLY

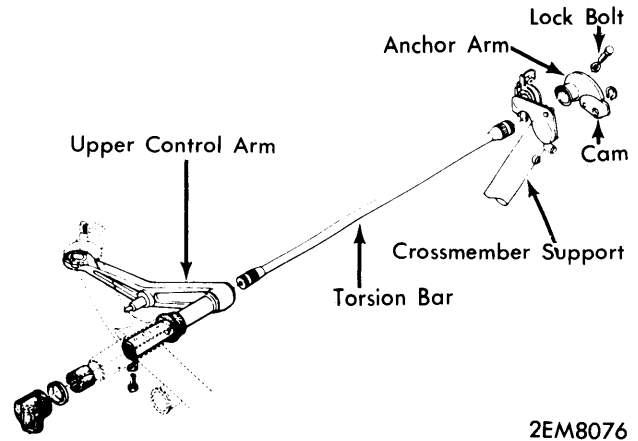
NOTE — Complete front suspension assembly can be removed as a unit.

Removal — Raise front of vehicle and position safety stands under body. Remove wheels and exhaust pipe. Disconnect positive battery cable. Remove nut from front motor mount and bolts from rear motor mounts. Remove inner fender panel, front bumper, bumper skirt and protective under cover. Disconnect oil pressure sending unit harness. Remove two bolts from steering shaft coupling and disconnect axles at brake drums. Remove bolts from lower control arm pivot brackets. Remove bolts, both front and rear, from crossmember mounts at body. Support engine with a hoist and place a jack under crossmember. Raise body and remove front suspension assembly.

Installation — To install, reverse removal procedure. Tighten all nuts and bolts to specifications and check wheel alignment.

UPPER CONTROL ARM

Removal — Loosen adjusting cam on front end of torsion bar. Remove shock absorber. Straighten lock tab on upper ball joint nut and remove nut. Separate ball joint from steering knuckle by pushing control arm down. Pull forward on torsion bar and remove control arm.



UPPER CONTROL ARM & TORSION BAR COMPONENTS

Installation — To install upper control arm, reverse removal procedure. Check wheel alignment and riding height.

TORSION BAR

Removal — Remove upper control arm as previously outlined. Remove lock nut and bolt from anchor arm. Pull torsion bar out through front.

Installation — To install torsion bar, reverse removal procedure. Make sure serration in torsion bar aligns with serration in anchor arm.

LOWER CONTROL ARM

Removal — Remove nuts securing lower control arm pivot shaft to crossmember bracket and separate lower control arm from bracket. Remove ball joint nut and separate ball joint from steering knuckle. Remove nuts securing pivot bracket to body.

Installation — To install lower control arm, reverse removal procedure. Check front wheel alignment.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Crossmember-to-Body Nuts.....	57.9-72.3
Lower Arm Pivot Bracket-to-Body.....	25.3-32.6
Lower Arm Pivot Shaft Nut.....	32.6-43.4
Torsion Bar Anchor Arm Lock Bolt.....	25.3-32.6
Lower Arm Ball Joint Nuts.....	32.6-54.3
Lower Shock Absorber Nut.....	21.7-32.6