

1966-73 FIAT 850

850 Models (1966-73)

REMOVAL & INSTALLATION

DESCRIPTION

Independent type front suspension with semi-elliptical leaf spring. Wheel is supported by a steering knuckle, kingpin and steering knuckle pillar assembly. The upper portion of the steering knuckle pillar is supported by the upper control arm which is mounted to the body. The lower portion of the pillar assembly is supported by end of leaf spring. A stabilizer bar is attached to body and pivots on leaf spring. Hydraulic shock absorbers mount between steering knuckle pillar and inner fender panel.

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

See *Wheel Alignment Specifications and Procedures* in **WHEEL ALIGNMENT** Section.

WHEEL BEARING ADJUSTMENT

See *Wheel Bearing Adjustment* in **WHEEL ALIGNMENT** Section.

FRONT SUSPENSION ASSEMBLY

Removal — Raise vehicle and support. Remove wheels and shock absorbers. Disconnect tie rods from steering knuckle arms. Remove stabilizer bar from leaf spring. Remove upper shock absorbers attaching nuts and compress shock absorbers. Block off brake fluid reservoir outlets and disconnect brake lines at wheel cylinders. Support suspension assembly and remove leaf spring. Disconnect upper control arm at body and remove suspension assembly.

Installation — To install, reverse removal procedure. Tighten all nuts and bolts to specification, bleed brakes and check front wheel alignment.

UPPER CONTROL ARM

Removal — Raise vehicle, remove wheel and place support under suspension assembly. Remove upper shock absorber attaching nut and compress shock absorber. Remove bolt and nut attaching upper control arm to steering knuckle. Remove two nuts attaching upper control arm to body and remove control arm.

Installation — Inspect all components for wear or damage. If control arm is deformed, straighten as required. If bushings in control arm are worn, cracked or weak, replace bushings. To install, reverse removal procedure, tighten all nuts and bolts and check wheel alignment.

STEERING KNUCKLE PILLAR

Removal — Raise vehicle, remove wheel and place support under suspension assembly. Disconnect steering linkage. Remove lower shock absorber attaching nut and compress shock absorber. Remove nut and bolt attaching leaf spring to steering knuckle pillar. Block off brake fluid reservoir outlets and disconnect brake lines at wheel cylinders. Remove nut and bolt attaching steering knuckle pillar to upper control arm and remove pillar assembly.

Installation — Inspect all components for wear or damage. To install, reverse removal procedure. Tighten all nuts and bolts, check wheel alignment and bleed brakes.

STEERING KNUCKLE

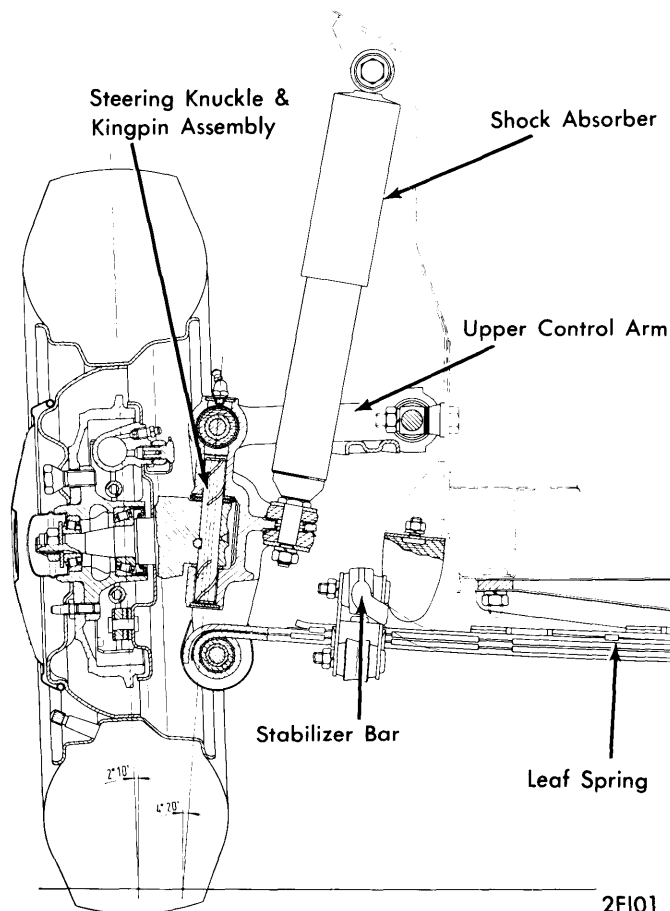
Removal — Remove steering from steering knuckle pillar as follows: Using suitable drift, drive out old bushing from top of steering knuckle pillar. Using drift, drive off lock pin from kingpin. Remove upper plug and lubrication fitting. Remove lower plug and kingpin. Steering knuckle can now be removed.

Installation — Replace kingpin housing if distortion is evident. To install, reverse removal procedure.

SHOCK ABSORBERS

Removal — Remove upper and lower attaching nuts, compress shock absorber and remove from vehicle.

Installation — To install, reverse removal procedure and tighten all nuts and bolts.



FRONT SUSPENSION ASSEMBLY

1966-73 FIAT 850 (Cont.)

SEMI-ELLEPTICAL LEAF SPRING

Removal — Raise and support vehicle so that wheels are just touching the floor. Remove nuts and bolts securing leaf spring to body. Remove nuts and bolts attaching leaf spring to steering knuckle pillar and remove spring.

Installation — Inspect for signs of excessive wear or cracking. To install, reverse removal procedure and tighten all nuts and bolts.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Leaf Spring-to-Crossmember	43 (6)
Crossmember-to-Body	36 (5)
Shock Absorber-to-Body	25 (3.5)
Shock Absorber-to-Steering Knuckle	22 (3)
Spring-to-Steering Knuckle	65 (9)
Upper Control Arm-to-Body	36 (5)