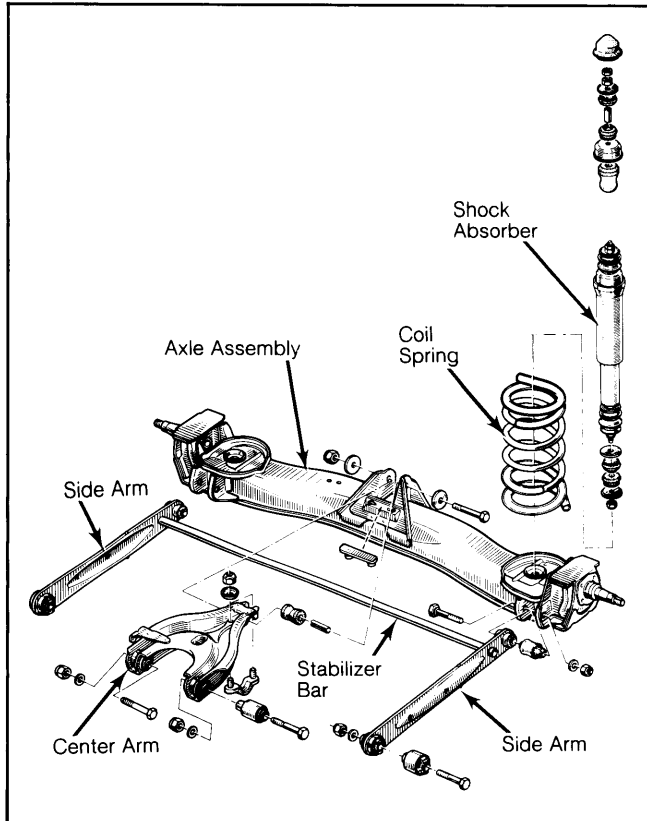


RENAULT 18i & FUEGO

DESCRIPTION

The trailing axle shaft used on rear suspension, is supported by a center arm and 2 side arms. The pivot points are mounted in rubber bushings. A stabilizer bar is welded at each end to the side arms. Coil springs surround the shock absorbers.

Fig. 1: Exploded View of Rear Suspension



ADJUSTMENTS

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

WHEEL BEARING

Tighten hub nut to 22 ft. lbs. (30 N.m) while rotating brake drum. Lightly tap side of brake drum with a soft mallet. Loosen nut 1/6 turn. Attach a dial indicator to brake drum with indicator tip on axle. Check bearing end play. End play should be .001" (.03 mm) or less. Adjust bearing end play by turning hub nut.

REMOVAL & INSTALLATION

WHEEL BEARING

Removal

1) Raise vehicle and support with safety stands. Remove wheel assembly. Release parking brake. Loosen secondary cables of parking brake so that lever may be drawn back.

2) Remove dust plug from backing plate and disengage automatic adjuster. Insert a screwdriver through backing plate and hole in brake shoe, push in against parking brake lever to disengage catch. Push the lever towards the rear.

3) Remove hub dust cap, cotter pin, and lock nut. Remove hub nut and washer. Remove brake drum, outer bearing, and seal. Using bearing removal tool (Rou. 370-02), place centering sleeve on axle.

4) Install 2 half casings in place and clamp assembly with retaining ring. Remove inner bearing from axle with assembly and extractor tool (Mot. 49). Remove grease seal deflector with extractor tool.

Installation

1) Slide new deflector onto axle and drive in place using hub nut and installer sleeve (Rou. 737-01). Mount inner bearing onto axle using sleeve of extractor tool (Rou. 370-02), and hub nut.

2) Install outer bearing race. Install new grease seal using installer tool (Rou. 770). Pack inside of hub with grease and coat bearing rollers. Install hub, outer bearing, washer, and hub nut. Adjust bearings. To complete installation, reverse removal procedures.

AXLE ASSEMBLY

Removal

1) Raise vehicle and support with safety stands. Remove wheel assemblies. Remove lower shock absorber retaining nuts and push shock absorber up as far as possible. Remove flexible brake lines from limiter.

2) Pull down on rear axle and remove coil springs. Remove the 2 side arm nuts and drive out bolts. Disconnect parking brake cables at adjuster and remove them from retaining bracket.

3) Place floor jack under rear axle shaft. Disconnect brake limiter valve. Remove 2 center arm bolts from body. Lower axle assembly away from vehicle.

Installation

To install, reverse removal procedures. Lubricate all bolts with grease before installing. Tighten all bolts with full weight of vehicle on floor. Bleed brake system.

SIDE ARMS

Removal

Raise vehicle and support with safety stands. Disconnect parking brake cables. Remove retaining bolts from side arms to body and rear axle assembly. Remove side arms and stabilizer bar as an assembly.

Installation

To install, reverse removal procedures. Lubricate all bolts with grease before installation. Tighten all bolts with full weight of vehicle on floor.

CENTER CONTROL ARM

Removal

Raise vehicle and support with safety stands. Disconnect brake limiter at control rod. Remove retaining nuts holding center arm and axle assembly. Remove nuts and bolts that retain center arm to body. Remove center arm.

Installation

To install, reverse removal procedures. Lubricate all bolts with grease before installation. Tighten all nuts and bolts with full weight of vehicle on floor. Check alignment of limiter valve.

Rear Suspension

RENAULT 18i & FUEGO (Cont.)

SHOCK ABSORBER & COIL SPRING

Removal

1) Remove cover and upper shock absorber retaining nuts from inside luggage compartment. Raise vehicle on hoist and remove wheel assemblies. Remove lower shock absorber retaining nuts.

2) Remove brake hose clips from rear axle. Compress shock absorber by hand and carefully work shock absorber and coil spring from vehicle.

Installation

To install, reverse removal procedures.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Center Arm-to-Axle	30 (41)
Center Arm-to-Body	59 (80)
Center Arm Clamp Nuts	11 (15)
Side Arm-to-Axle	30 (41)
Side Arm-to-Body	26 (35)
Shock Absorber Nuts	
Lower	22 (30)
Upper	11 (15)