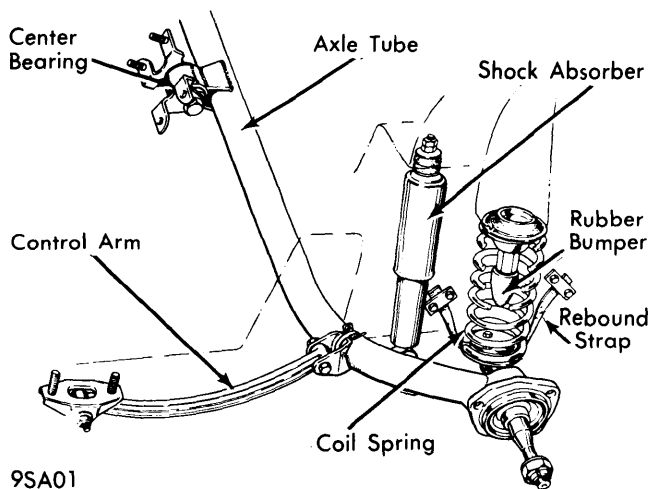


## 1963-73 SAAB

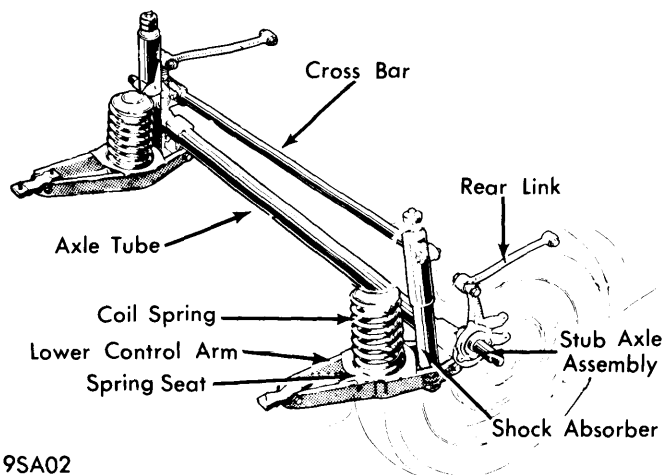
Saab, All Models (1963-73)

### DESCRIPTION

**All Except 99 Models** – Tube type rear axle with coil springs. Rear axle is a tube with swept back ends which carry press fitted stub axles. At center, tube is attached to body by means of a rubber bushed bearing bracket. A control arm is also attached to each end of tube. These control arms are connected between tube axle and body. Coil springs are bolted to extension on inside of stub axle at bottom and are attached to body at top. All models except 95 models use telescopic shock absorbers. 95 models use lever type shock absorbers. In both cases, shock absorbers are mounted forward of coil springs.



SAAB (EXC. 99) REAR AXLE ASSEMBLY (TYPICAL)



SAAB 99 REAR AXLE ASSEMBLY

**99 Models** – Tube type rear axle with coil springs. Rear axle is a straight tube with stub axles press fitted into the ends. Axle is mounted to body by two lower control arms which are connected at rear to the axle tube and to the body at front. Rear links are also used which mount rearward from stub axle assembly to body. A cross bar is also mounted from the right stub axle assembly to the left side of the body. Coil springs are mounted between lower control arms and body. Telescopic shock absorbers are used which are attached between lower control arms and body.

### ADJUSTMENT

**REAR WHEEL BEARINGS** – See *Rear Wheel Bearings in WHEEL ALIGNMENT Section.*

### REMOVAL & INSTALLATION

#### SHOCK ABSORBERS

**Removal** – Jack up vehicle and place on safety stands. Remove wheel and tire. On lever type shock absorber, disconnect shock lever from link and remove shock from body. On telescopic shock absorbers, disconnect shock from upper and lower brackets and remove shock.

**Installation** – To install, reverse removal procedure.

#### REAR AXLE ASSEMBLY (ALL EXCEPT 99 MODELS)

**Removal** – Remove rear seats, jack up vehicle and support with safety stands. Remove wheels and tires, exhaust pipe and rear muffler. Disconnect and plug brake hoses. Loosen rear brackets for rebound straps, coil spring may now be removed. Support axle and disconnect shock absorbers at axle for lever type or at body for telescopic type. Disconnect brake cable clamps from shaft and wire connection from rear brake levers. Remove rear axle center bearing from body. Remove lower control arm brackets (nuts are accessible from inside car under rear seat cushion). Rear axle assembly may now be removed.

**Installation** – To install, reverse removal procedure, however, do not tighten bearing brackets until car weight is on suspension to ensure bearings are aligned correctly. Ends of the rebound straps must project .6" (15 mm) beyond brackets.

#### REAR AXLE ASSEMBLY (99 MODELS)

**Removal** – Jack up vehicle and support on safety stands. Remove wheels and tires. Disconnect brake hoses and lower shock absorber attachments. Disconnect rear links at body and position downward. Remove cross bar. Lower axle and lift out coil springs. Remove bolts securing lower control arms to axle and remove axle.

**Installation** – To install, reverse removal procedure, however, do not tighten bearing brackets until car weight is on suspension to ensure bearings are aligned correctly.

### MAINTENANCE

On 95 models with lever type shock absorber, fluid level in the shock must be checked every 12,000 miles and topped up as necessary with a suitable shock absorber fluid.