

FRONT SUSPENSION

DESCRIPTION (See Fig. 1)

The front suspension is a coil spring and wishbone type with swivel pin mounted stub axles to form a swing axle with parallel steering.

The inner ends of the wishbones have pressed-in metal and rubber bonded bushes, and pivot in front and rear brackets attached to the floor assembly of the car.

Road shocks are absorbed by coil springs in conjunction with telescopic dampers, centrally located within the springs.

The camber, castor and steering axis inclination angles are built-in and no adjustment is needed or provided. Front wheel alignment can be set by **ADJUSTING THE LENGTH OF THE RIGHT HAND TRACK ROD.**

The steering unit is mounted on the front of the suspension member.

MAINTENANCE

Maintenance checks will be required at regular intervals as given in the "Owner's Handbook" or "Owner's Service Book" and will include the following:

1. Checking the security of the bolts in the wishbone pivots, suspension brackets, swivel pin carriers and damper mountings.
2. Checking the alignment of the track rod ball sockets and the tapered ball pins.
3. Checking front hub endfloat.
4. Checking front wheel alignment.
5. Lubricating stub axle swivel pins.
6. Repacking front hub bearings with grease.
7. Checking the rubber bushes of the dampers and wishbone pivots for damage and deterioration.

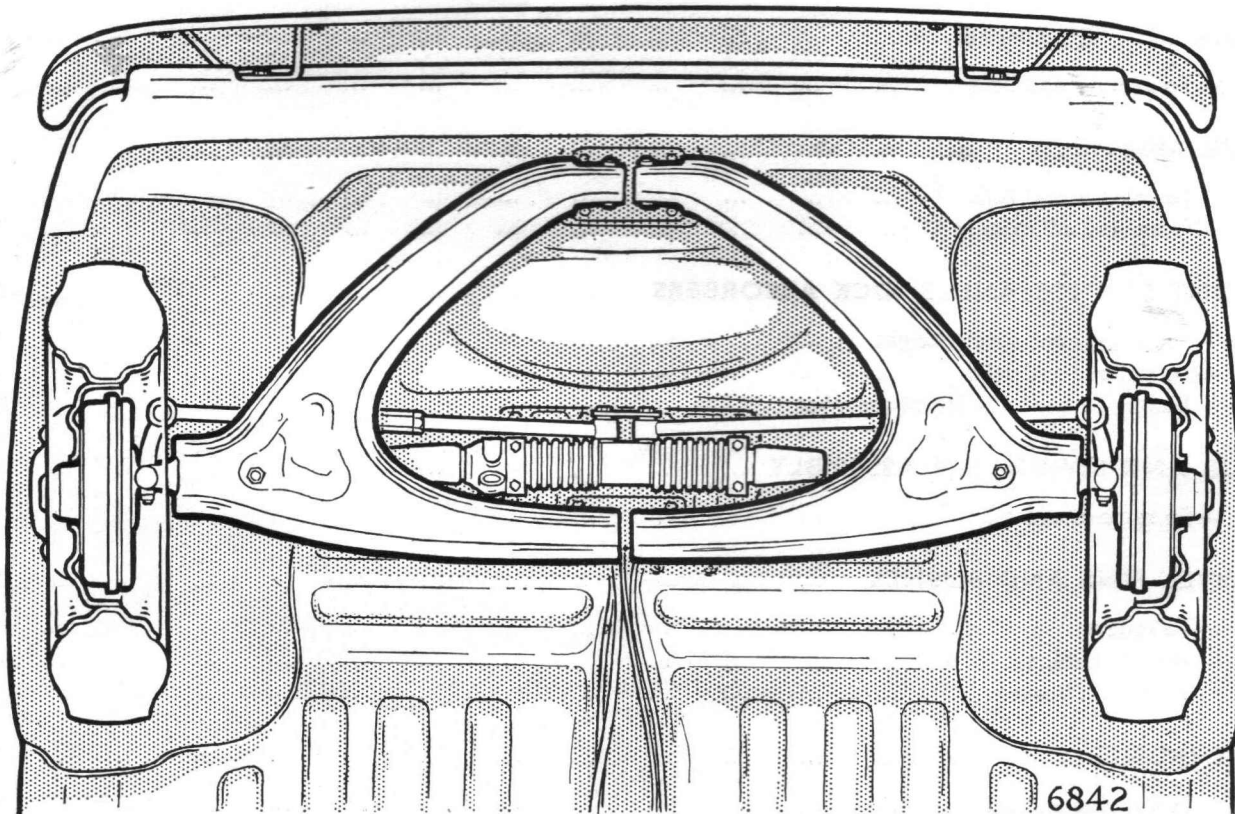


Fig. 1. View of front suspension from beneath the car