

Front springs

1948-53 vehicles

The three types of front springs are not interchangeable and must be fitted only within their respective series. On any particular vehicle, the left-hand and right-hand front springs are identical.

1954-58 vehicles

The driver side and passenger side front springs are not interchangeable, the free camber of the driver side spring being greater to compensate for the extra weight (driver, etc.) carried on that side of the vehicle.

The springs can be removed one at a time or both together as detailed.

Note:

IF THE SHACKLE PINS AND LOCKING NUTS ARE NOT TIGHTENED WITH THE SPRING IN THE MID-WAY POSITION, PREMATURE FAILURE OF THE BUSHES WILL OCCUR.

Rear springs

The driver side and passenger side rear springs are not interchangeable, the free camber of the driver side spring being greater to compensate for the extra weight (driver, etc.) carried on that side of the vehicle.

The springs can be removed one at a time, or both together, as detailed.

To remove Operation J/10

1. Jack up the vehicle and support it on four jacking stands.
2. Remove the front wheel.
3. Place two supports under the axle.
4. Jack up each of the road springs under the shock absorber plates and remove the U-bolt nuts.

To remove Operation J/14

1. Jack up the vehicle and support it on four jacking stands.
2. Remove the rear wheels.
3. Jack up each of the road springs under the shock absorber plates and remove the U-bolt nuts.

~~Lower the vehicle to rest the axle on the ground. Remove the U-bolt nuts from the shock absorber plates and the springs are fully released.~~

~~Remove the self-locking nut from the shackle pin in each spring eye.~~

~~Remove the shackle pin from the rear end of the spring, the pin is threaded into the inner shackle plate.~~

~~Remove the shackle pin from the front end of the spring.~~

~~Remove the road spring complete.~~

~~Remove the self-locking nut from the shackle pin securing the shackle plates to the chassis.~~

~~Remove the shackle pin from the front end of the spring.~~

~~Remove the road spring complete.~~

To refit Operation J/12

1. If necessary, remove the shackle bushes from the chassis frame bracket with the aid of drift or suitable extractor for a which must be a close fit.

Operation J/16

Remove the shackle pin from the chassis frame bracket with the aid of drift or suitable extractor for a which must be a close fit.

2. If necessary, renew the rubber bushes in the spring eyes in a similar way.

Easy models only

Select a suitable shim washer (available 0.001 in. 0.002 in., 0.004 in. and 0.006 in. thickness) for each side of each bush, six in all, to give a definite clearance of not more than 0.004 in. between the shim and the shackle plate.

3. Replace the spring by reversing the removal procedure, taking care to tighten the shackle pins and locking nuts after the vehicle has been lowered to the ground.

To refit Operation J/16

1. If necessary, remove the shackle bush from the chassis frame bracket with the aid of drift or suitable extractor for a which must be a close fit.

2. If necessary, renew the rubber bushes in the spring eyes in a similar way.

3. Replace the spring by reversing the removal procedure, taking care to tighten the shackle pins and locking nuts after the vehicle has been lowered to the ground.