

Front road spring and damper - To remove

- 1.) Drive the car on to a ramp; apply the parking brake and chock the rear wheels.
- 2.) Remove the wheel trim from the respective wheel and slacken the wheel nuts.
- 3.) Jack up the front of the car and place sill blocks beneath the front end of the body sills.
- 4.) Remove the road wheel.
- 5.) Place a jack under the lower triangle levers and jack up the suspension to partially compress the road spring. Ensure that the body is still supported by the sill blocks.
- 6.) Fit the support plate halves of the road spring retention tool, RH 8809 around the lower section of the damper and secure them together.

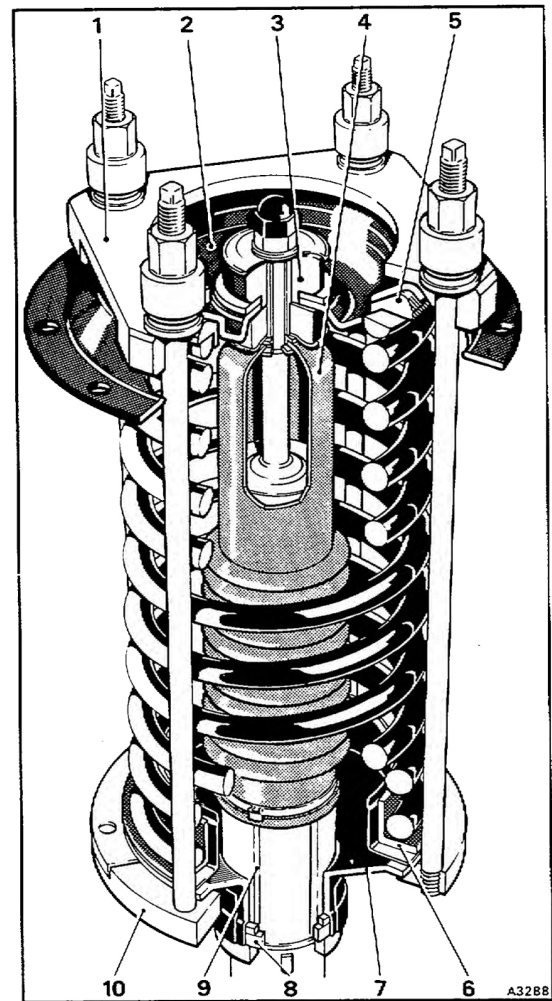
Warning:

Always examine the spring retention tool for signs of thread wear or damage prior to its use. If you have doubts concerning any parts of the tool and their ability to withstand spring load you should renew those parts.

Insert the four long studs of the tool through the upper spring plate and screw them securely into the tool.

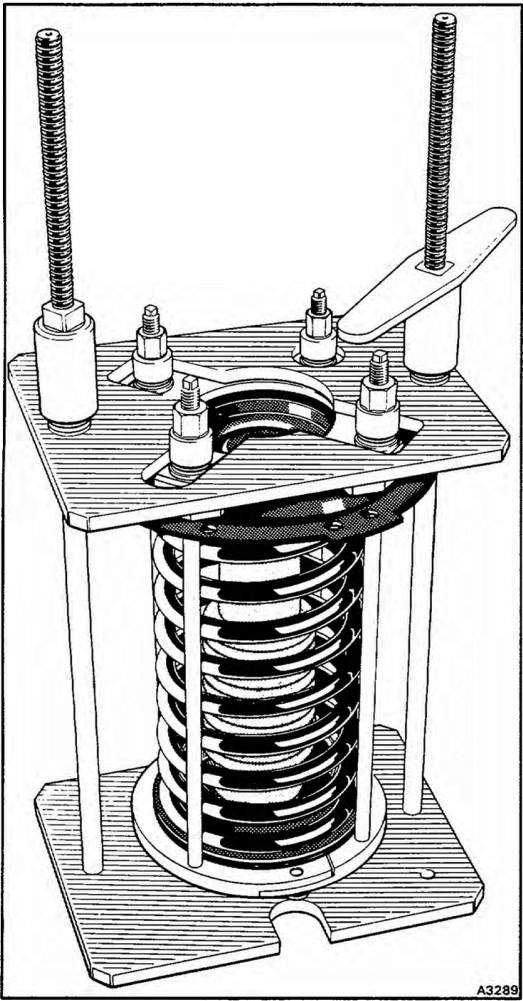
Fit the special nuts, thrust races, and washers to the top of each stud (see fig. H5-2)

- 7.) Evenly tighten the retaining tool nuts until the road spring is fully supported.
- 8.) Remove the split pin, castellated nut, and washer securing the damper ball pin assembly to the lower triangle levers. Using a suitable extractor, release the ball pin taper from the triangle levers. Leave the taper loosely in position to support the damper.
- 9.) On cars fitted with automatic ride control, disconnect the solenoid valves electrical connection plug situated on the valance.
- 10. Remove the bolts securing the upper spring plate to the body spring tower. Use hand pressure on the spring plate to counteract any damper lift and to allow removal of the bolts.
- 11. Carefully lift the road spring and damper assembly from the car.
- 12. Place the complete assembly into spring compression tool RH 7909. Fit and secure the top plate of the tool to retain the spring
- 13. Remove the nuts securing the damper to the upper spring plate cover. Collect the rubber mount and washers. Withdraw the damper from the spring support plate and collar.
- 14. To release the spring from the retention tool compress the spring until the spring load is relieved from the retention tool, allowing the removal of the four retaining nuts.
- 15. Measure the distance between the two plates of the spring compression tool to facilitate assembly.
- 16. Evenly release the two nuts on the compression tool until the spring is fully released.
- 17. Examine all the components for serviceability and renew as necessary.



H5-2

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| 1 | Adapter plate RH 12053 |
| 2 | Upper spring plate |
| 3 | Damper mounting rubbers |
| 4 | Convoluted rubber sleeve |
| 5 | Pliable spring seat |
| 6 | Pliable spring seat |
| 7 | Spring support plate |
| 8 | Spring load adjustment collets |
| 9 | Spring support collar |
| 10 | Spring retention tool RH 8809 |



H5-3