

J2 TECHNICAL ARTICAL

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From Octagon Heaven

THE MECHANICAL SHOCKS

The mechanical shocks were ANDRE HARTFORD SHOCK ABSORBERS. They functioned by friction with an adjustable spring (star) to be able to adjust the ride and to adjust as the units wore.

The three pictures below are from the original Instructional Manual.

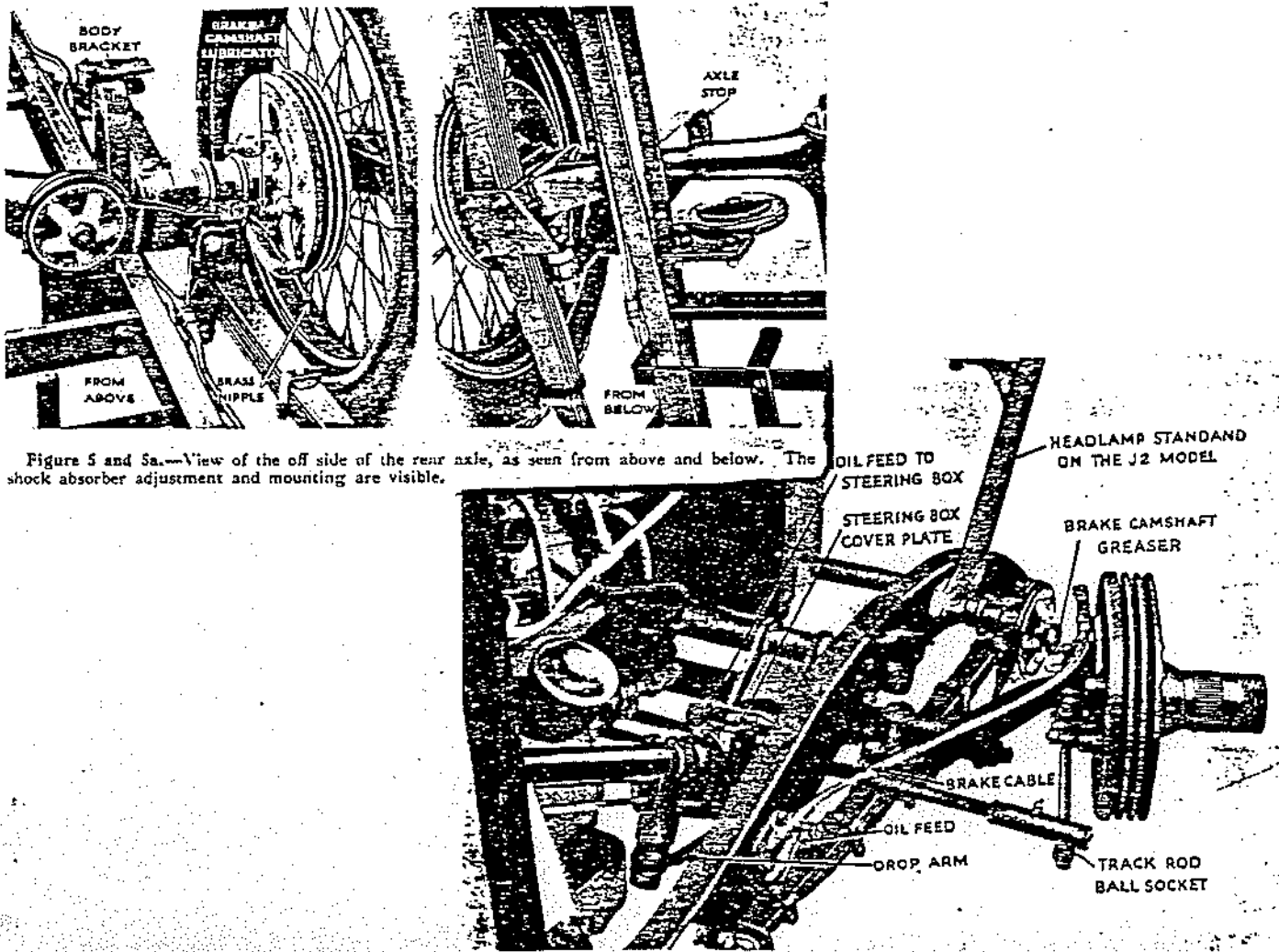
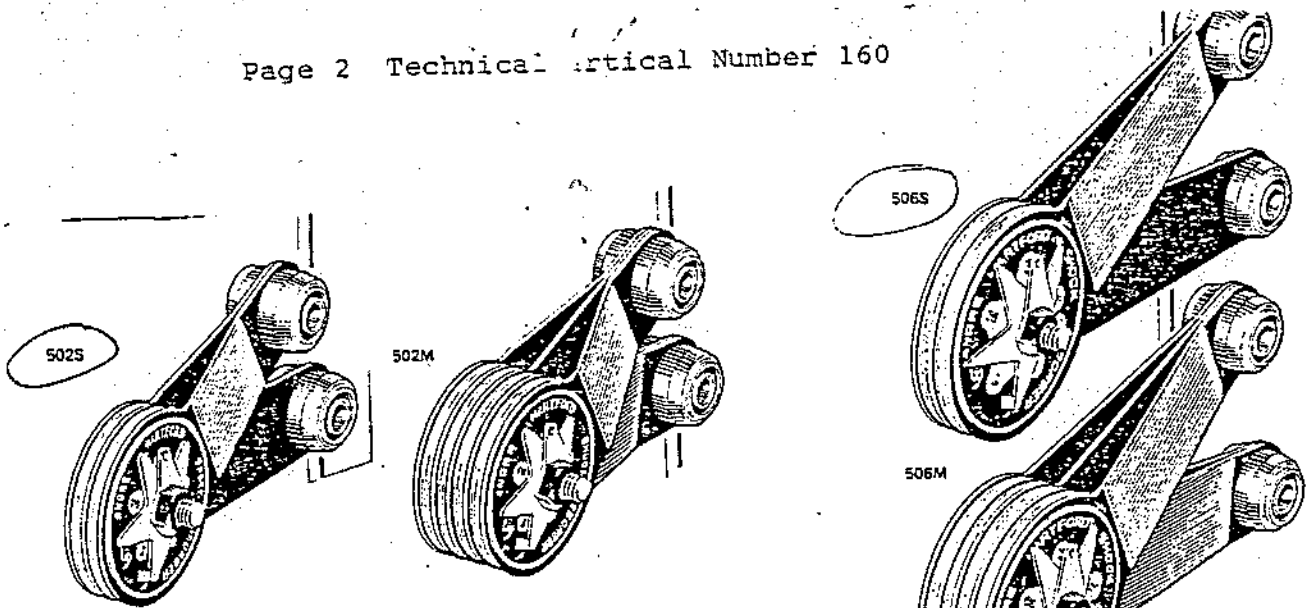


Figure 5 and 5a.—View of the off side of the rear axle, as seen from above and below. The shock absorber adjustment and mounting are visible.

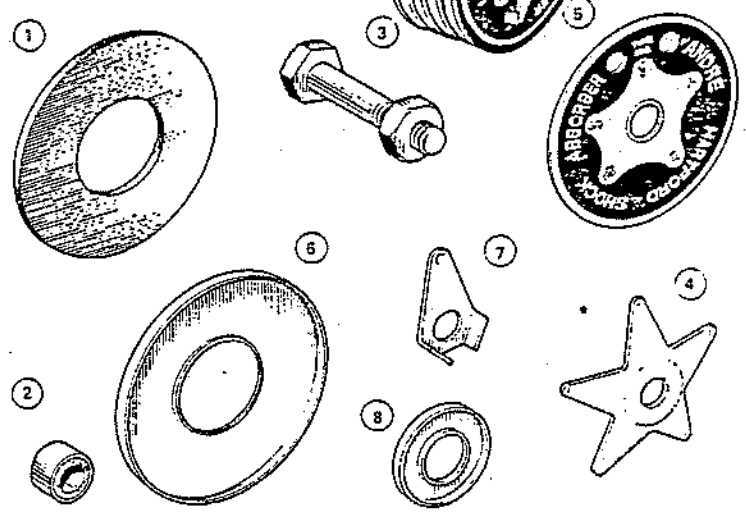
On the second page is material from a parts supplier from England who supplies replacement units.

(over)



- 502S and 502M
- ① 12652 Friction Disc. 3.1/4" O.D. 1.9/16" I.D. 10' thick
  - ② 12656 Centre Bush 23/32" O.D. 1/2" I.D.
  - ③ 126688 Centre Bolt 1.7/8" long
  - ④ 12658 Star
  - ⑤ 12648 Indicator Dial with Backplate 3.1/4" dia.
  - ⑥ 12662 Brass Disc. 3.1/2" O.D. 1.1/2" I.D.
  - ⑦ 12657/9 Pointer and Locking Tag
  - ⑧ 12654 Locating Ring

Dimensions: 502S and 502M shock absorbers are available with equal arm lengths from 4 1/2" minimum to a maximum of 9", in increments of 1/2".  
 506S and 506M shock absorbers are available with equal arm lengths from 4 1/4" minimum to a maximum of 10", in increments of 1/2".



**NEW IMPROVED HIGH-EFFICIENCY SERIES**



The early Andre Hartford shockes (1929- 1935) were fitted with brass or steel cup plates rivetted to the center arms with the friction disc fitted inside the cup giving two cups and two friction discs on the single plate type similar to the 502S and 506S.

The early type of shock is best identified by the fact that the external arms were rounded over at the edges and the silentbloc bushings ends were rivetted to the main arms. Suppliers in England carry friction discs for the original, but if the brass or steel cups are needing of replacement, the shock absorber will require modification to the later pattern of the 502S (suitable for up to 20 cwt.)

The new 502S model is available with equal or unequal arm lengths from 5 to 9 inches in steps of 1 inch.

Some of the suppliers do offer reconditioning of old shock units.