



TO: All Dealers

BULLETIN: #T-62-15

DEPT.: Service and Parts

DATE: April 26, 1962

SUBJECT: HERALD MODELS - STEERING KNOCK

There have been instances of unnecessary complete replacement of rack and pinion assemblies to eliminate knocks which could have readily been rectified by adjustment or replacement of the affected components.

The following service notes are given as a guide to diagnosis and rectification of this condition.

<u>Faults</u>	<u>Action</u>
a. Excessive pinion end float.	Remove shims as necessary to give end float of approx. .008".
b. Excessive lift of rack in rack tube at pressure pad. (Units fitted with screwed cap nut.)	Remove shims as necessary to give .004" - .008" end float in straight-ahead position, i.e. minimum amount consistent with free movement of rack from lock to lock. Shim sizes .004" - .010".
c. Fracture of pressure pad spring plate allowing excessive lift of rack. (Units fitted with circlip retainer).	Renew spring plate 128007 and remove or add shims to give .004" - .008" end float in straight-ahead position, i.e. minimum amount consistent with free movement from lock to lock, or modify in accordance with Service Bulletin #T-62-11 Shim sizes .004" - .010".
d. Excessive lift of rack in tube end bush.	Replace bush with new component 128002. Bush can be drifted out of tube by means of long bar. New Bush is prefinished and does not need reamering.
e. Inadequate lubrication.	Lubricate the unit with one of the recommended grades of grease. Ensure that the grease penetrates to the extremity of rack, by turning

Cont'd.....



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<u>Faults</u>	<u>Action</u>
e. Cont'd..	the steering to full left lock on R.H.D. cars and full right lock on L.H.D. cars. Otherwise grease will escape from pinion end of rack.
f. Play in inner ball joint assemblies.	Adjust. Service Bulletin T-61-14.
g. Wear in tie rod end ball joints.	Renew ball joint assemblies. Check efficiency of gaiters and retainer clips. Renew gaiters if damaged, and clips if tension is weak.
h. Steering column flexible coupling loose.	Tighten as necessary.
i. Rack and pinion body "B" bolts loose.	Tighten clamps.
j. Wear on the steering column bushes.	Renew bushes 606630 and lubricate with graphite grease on assembly (Workshop Manual Group 4).


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