

Front End Service Set Seperator Ball & Joint Removal

RI01390



INSTRUCTION MANUAL



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



Read through carefully and understand these instructions before use

■ OPERATING INSTRUCTIONS

The tools in the front end tool set all work on similar principles but are different sizes and configurations for a wide range of applications. The various pullers in this set are useful in cases where the parts are to be reused, as opposed to “pickle-fork” type tools that usually damage the parts. Damaged parts must be replaced.

NOTE: Many front-end components use self-locking nuts, which must be replaced when removed. Check the specific vehicle manufacturer’s service information for applications.

■ REMOVAL:

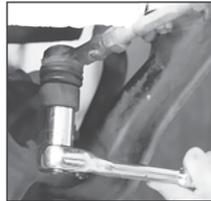
1. For tie-rod and ball joint applications, remove the cotter pin. See figure (a).
2. Remove the retaining nut from the tie rod or ball joint stud or the steering box output shaft at the pitman arm. See figures (b) and (c).
3. Position the puller tool so that the center screw presses on the end of the tie rod or ball joint stud or the steering box output shaft. See Figures (d), (e), and (f).
4. The jaws of the puller should be forced between the boot on the tie rod or ball joint and the steering knuckle, or between the pitman arm and the steering box body.
5. Tighten the puller center screw with a wrench until the parts have been separated. It may be helpful to tap the head of the center screw with a hammer to break parts loose.



(a)



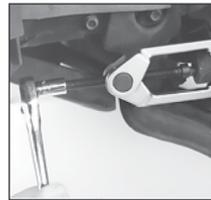
(b)



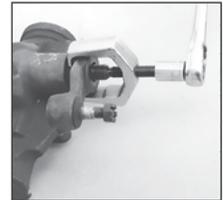
(c)



(d)



(e)



(f)



(g)



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