



TRW Automotive
Commercial Steering Systems

Service Procedure #187

Special Instructions for Service Ball Kit 213684-X1

Revised February, 2008

This TRW Commercial Steering Systems' service procedure has been written to help you repair commercial vehicles more efficiently. This procedure should not replace your manuals; you should use them together. These materials are intended for use by properly trained, professional mechanics, NOT "Do-it-yourselfers". You should not try to diagnose or repair steering problems unless you have been trained, and have the right equipment, tools and know-how to perform the work correctly and safely.

⚠ WARNING All steering mechanisms are safety critical items. It is imperative the instructions in the vehicle manufacturer's or TRW Commercial Steering Division's latest published Service Manuals are followed to the letter. Failure to observe the proper procedures, cautions and warnings may result in loss of steering and/or personal injury.

Service ball kit 213684-X1 includes 34 service balls and can be used to service HFB52, HFB64, HFB70, TAS37, TAS40, TAS55, TAS65, TAS66, TAS85, PCF/THP45, PCF/THP60, and PCF/THP86 steering gears.

Do not mix old balls removed with these new balls. Use only the number of service balls specified for the steering gear being serviced as follows:

HFB52 Gears	25 Balls
HFB64 Gears	27 Balls
HFB70 Gears	34 Balls
TAS37 Gears	30 Balls
TAS40 Gears	29 Balls
TAS55 Gears	31 Balls
TAS65 Gears	32 Balls
TAS66 Gears	32 Balls
TAS85 Gears	34 Balls
PCF/THP45 Gears	29 Balls
PCF/THP60 Gears	31 Balls
PCF/THP86 Gears	34 Balls

TRW Commercial Steering Systems

P.O. Box 60
Lafayette, IN 47902
Phone: 765.423.5377
Fax: 765.429.1868