

## CHANGE IN THE INPUT AND OUTPUT DRIVE FLANGE SEALING IN THE HEAVY THROUGH DRIVE AXLES

- 1. Change:** In the input and output drive flange sealing the shaft seal with one sealing lip is replaced by a new cassette type seal with multiple sealing lips. Simultaneously the v-ring dust seal and the shield plate (only input) have been removed.
- 2. Cause of Change:** Better technical solution for the input/output flange sealing.
- 3. Applications:** The new cassette seal replaces the older shaft seals in the through drive FRMP-13/16, FSMP-14, FRFP-13/16 and FSFP-14 axles. The differential carrier assemblies are MP-330 and FP-330. MP-330 drive gear is used in through drive rear tandem axle FRMP-13/16 and through drive steer front tandem axle FSMP-14. FP-330 drive gear is used in rear Tridem axle FRFP-13/16 and in drive steer Tridem axle FSFP-14. The Axle product codes and the part numbers of the differential carrier assemblies have changed along with the sealing change.

### 4. Changed Items in MP-330 Drive Gear:

Description	Old Part No.	New Part No.
Shaft Seal (input & output)	91122-08505	591122-08507
Adjusting Nut/Seal Housing (input)	143-226-1200	543-226-1400
V-Ring Seal (input)	090-400-9500	-
Shield Plate(input)	090-711-9010	-
Seal Housing (output)	144-321-0010	544-321-0500
V-Ring Seal (output)	91121-09001	-
Input Flange HS1700/1800	138-918-0400	538-918-1610
Input Flange ISO T180	138-918-0401	538-918-1611
Input Yoke 1710	538-967-0100	538-967-0600
Output Flange HS1700/1800	138-917-2410	538-917-2510
Output Flange ISO T180	538-917-2411	538-917-2511
Output Yoke 1710	538-967-0110	538-967-0610

### . Changed Items in FP-330 Drive Gear:

Description	Old Part No.	New Part No.
Shaft Seal (input & output)	91122-08505	591122-08507
Adjusting Nut/Seal Housing (input)	143-226-1200	543-226-1400
V-Ring Seal (input)	090-400-9500	-
Shield Plate(input)	090-711-9010	-
Seal Housing (output)	544-321-0200	544-321-0500
V-Ring Seal (output)	91121-09001	-
Seal Housing Bolts (output)	590303-10503	90303-10303
Input Flange HS1700/1800	538-918-0700	538-918-0900
Input Flange ISO T180	538-918-0500	538-918-0511

- 5. Date of Change:** Installing of the new input flange seal has started gradually by axle type from August 2004 (Mainly in the new model year 2005 axles).

### 6. Interchangeability:

The new cassette seal is not interchangeable with the old shaft seal. Retrofit cassette seal kits are available for converting the sealing to the new design. Please see Spare Parts Bulletin SP14003.

