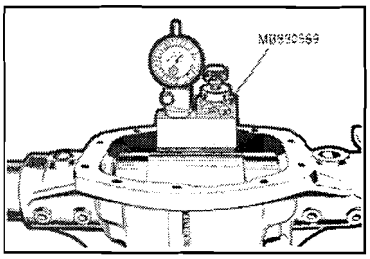
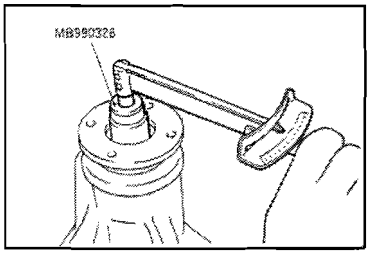
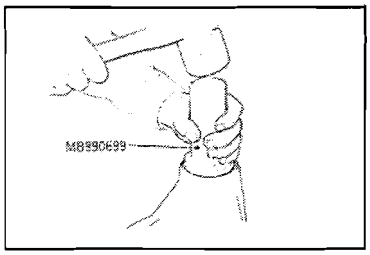
Front Differential Carrier Assembly



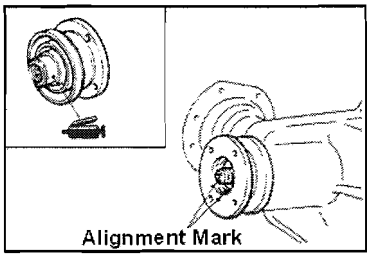
5. Use a Dial Gage to "Zero" Pinion Gear Alignment. If Adjustments are Required Use New Adjusting Shims. Check Parts Catalogue for Sizes.



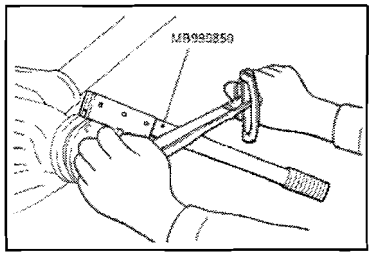
6. Remove Flange



7. Install New Oil Seal

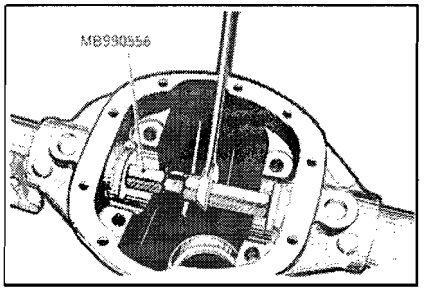


8. Align original Line Marks to their Original Position.

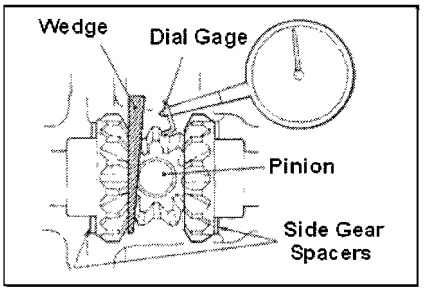


9. Set Final Assembly Torque to 167Nm (17.0kgfm)

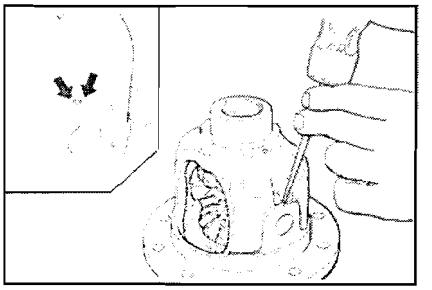
Front Differential Carrier Assembly



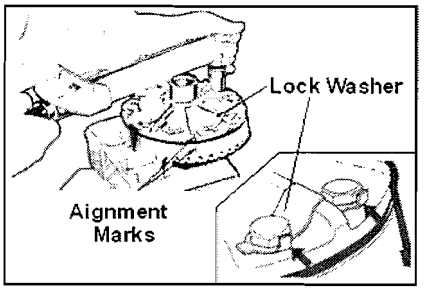
10. Use Tool MB990556 to Install New End Oil Seals as Shown in the Diagram to the Left



11. Differential Gear Set Backlash. Use a Dial Gage as Shown to Test backlash Measurement. Limit: 0.05-0.13mm See Parts Catalogue for Side Spacer Available Sizes. If Gears are Over 0.2mm Replace Gear Set.

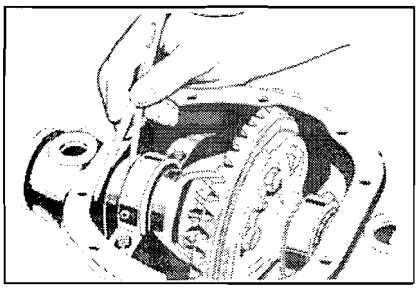


12. Install Lock Pin as Shown

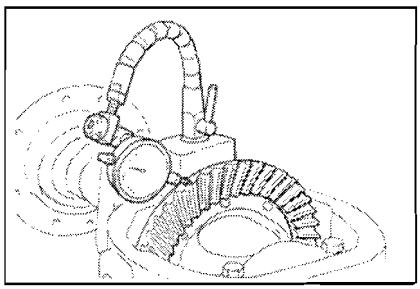


13. Align Marks. Place New Lock Washers as Shown. Torque Drive Gear to: 69Nm (7kgfm)

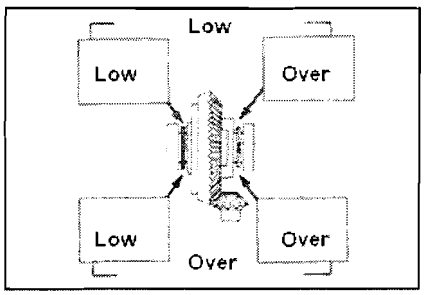
Front Differential Carrier Assembly



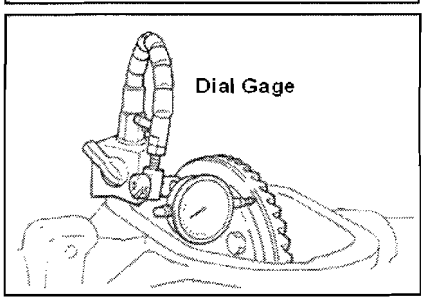
14. Install Gear Unit and Check Clearance as Shown on the Left. Use a Thickness Gage. Pre-Load Limit: 0.1mm. Bearing Cap Torque Set to 59Nm (6.0kgfm)



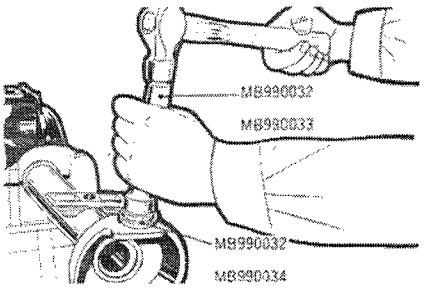
15. Use a Dial Gage as Shown. Check Round-Out Limit: 0.13-0.18mm



16. Use the Guide on the Left to Set Load Balance. Use Appropriate Shims to Balance Assembly.



17. Attach Dial Gage as Shown. Check Drive Gear Side Warpage Limit: 0.05mm



18. Install Knuckle Bearing Outer Race

19. Assemble Remaining Components (See Previous Section Information) and Install into Vehicle

Rear Axle & Differential

- **Front Axel Specifications**
- **Tools**
- **Inspection & Oil Level**
- **Axel Shafts Overhaul**
- **Differential Carrier Inspection**
- **Differential Overhaul**