

Max IV

Front Sprocket Assembly Replacement

For models after Serial Number 19417
and all Snap-Ring style front sprocket replacements.

03/16/06

Max IV Snap Ring Front Sprocket replacement.doc

Follow the *Front Axle Replacement* instructions and remove the front axle and sprocket from the vehicle.

Front Sprocket Replacement

1. Once the axle has been removed, lift the sprocket assembly out of the vehicle.
2. Inspect the chain and sprocket for wear. It is common for a loose or worn out chain to cause sprocket failure. Replace any worn items if necessary. Also, inspect the brake rotor and brake pads.





CAUTION:

Failure to replace worn parts will result in damage to the vehicle.

3. On the bench, install the snap ring into the outer snap ring groove of the axle and slide on the sprocket shim(s), which were removed from the axle. Slide the new sprocket assembly onto the axle so the sprocket hub sits tight against the sprocket shim(s) and outer snap ring. Install the inner snap ring. Using a feeler gauge, determine the amount of gap between the inner snap ring and the sprocket hub. There should be no more than 0.030" and no less than 0.010". Add or remove sprocket shims to obtain the proper gap.
4. Remove the snap rings and sprocket assembly from the axle. Proceed to the installation section of the *Front Sprocket Replacement* instructions.

 The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

 A CAUTION indicates special precautions that must be taken to avoid damage to the vehicle.

 Failure to follow WARNING instructions could result in severe injury or death to the vehicle operator, any passenger, or a bystander.