



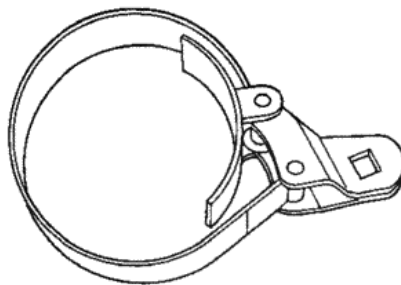
## Lube Filter Installation Instructions for ISX Engines

Follow the Cummins' recommended maintenance practices and adhere to all safety guidelines, including the wearing of eye protection. Ensure the correct new filter(s) are available before starting.

It is recommended that lube oil be at operating temperature before draining.

- 1) Use oil filter wrench (part number 3400157) to remove the oil filter. Apply wrench at top (close to mounting point) for maximum torque.
  - 2) Inspect and clean oil filter mounting base and ensure old gasket is removed.
  - 3) Install the new filter:
    - Pre-fill the filter with oil and ensure the internal spider gasket is well lubricated
    - Lubricate the outer gasket with a film of clean engine oil
    - Install the filter until the gasket makes first contact with the filter head surface
    - Continue to install the filter the exact number of turns indicated on the filter (3/4 from initial gasket contact). The letter indicators on the side of the filter will assist with this
- NOTE: This step is most important to ensure a leak free seal

In some instances, a filter wrench must be used to achieve the correct number of installation turns. If this is the case, be very careful not to dent or damage the filter. Use oil filter wrench (part number 3400157) to install the oil filter. Apply wrench at the top, close to the mounting point and ensure the filter does not get damaged.



Part Number 3400157