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INSPECT OIL FILTERS

Engines equipped with full flow oil filters should have the filter opened at each filter change and the filter media should be thoroughly inspected for metal or other contaminants within the engine oil system. Use of the Champion CT-470 Oil Filter Can Cutter allows opening of these spin-on filters without introducing foreign material into the filter.

Following is a recommended procedure for inspecting full flow oil filters:

1. Remove the filter from the engine, place the filter on a drain tray and let the oil drain through a shop rag or clean cloth to determine if any foreign objects drain from the filter.
2. Using the Champion CT-470 Can Cutter, open the filter by cutting the outer housing away, exposing the filter media.
3. Using a clean plastic bucket containing approximately 1 pt. of clean Varsol, swish the filter element around in the Varsol to loosen any entrapped metal or other contaminants.
4. Work a clean magnet around in the Varsol solution. If there are any ferrous metal particles present, they will adhere to the magnet.
5. Non-ferrous metals may be detected by pouring the Varsol solution through a clean shop towel, then inspecting the towel under bright light.

NOTE: On new engines, fine metal shavings or particles may appear in the first few oil changes. Depending upon size and quantity of material, the engine manufacturer may be contacted for evaluation of findings.

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