
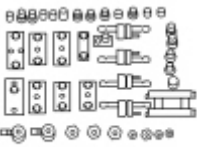


## Refrigerant System Filtering Following Air Conditioning (A/C) Compressor Installation

### Special Tool(s)

 <p>ST2985-A</p>	A/C Flush Adapter Kit 219-00074 or equivalent
 <p>ST2469-A</p>	A/C Flush and Purge Fitting Kit 219-00024 or equivalent

### Material

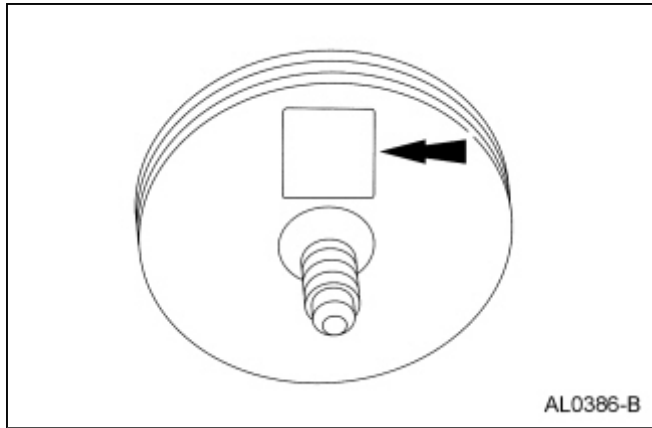
Item	Specification
Motorcraft® PAG Refrigerant Compressor Oil YN-12-D	WSH-M1C231-B

**NOTICE:** An Air Conditioning (A/C) refrigerant analyzer must be used before the recovery of any vehicle's A/C refrigerant. Failure to do so puts the shop's bulk refrigerant at risk of contamination. If the vehicle's A/C refrigerant is contaminated, refer the customer to the service facility that carried out the last A/C service. If the customer wishes to pay the additional cost, use the A/C recovery equipment that is designated for recovering contaminated A/C refrigerant. All contaminated A/C refrigerant must be disposed of as hazardous waste. For all equipment, follow the equipment manufacturer's procedures and instructions.

**NOTICE:** On vehicles being serviced for an internal compressor or desiccant failure, a new suction accumulator or receiver/drier, Thermostatic Expansion Valve (TXV) or evaporator core orifice and any hoses containing mufflers must be installed prior to filtering the Air Conditioning (A/C) system. Internal plumbing of these devices makes it impossible to correctly remove any foreign material. These components are typically discarded after A/C system contamination. Hoses without mufflers can normally be reused unless they are clogged with foreign material. The filter is intended for use on one vehicle only.

1. **NOTE:** The filter inlet is marked with a label on one side of the filter body.

Orient the filter inlet toward the A/C condenser core.



2. **NOTICE:** The flexible extension adapters included in the A/C Flush Adapter Kit are designed for low-pressure flushing and are not designed for use with a charged refrigerant system. Do not make the condenser fitting connections using the flexible extension adapters or damage to the adapters and loss of refrigerant will occur.

**NOTE:** The F8VZ-19E773-AB pancake filter is not permanently installed and will be removed at the end of this procedure.

Disconnect the condenser outlet fitting and temporarily install the pancake filter between the 2 halves of the fitting.

- Use flexible R-134a service hoses of 17,238 kPa (2,500 psi) burst rating.
  - Make the connections using the correct adapters from the A/C Flush Adapter Kit and/or A/C Flush and Purge Fitting Kit.
3. Lubricate the refrigerant system with the correct amount of clean PAG oil. For additional information, refer to [Refrigerant Oil Adding](#) in this section.
  4. Evacuate and charge the refrigerant system. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#) in this section.
  5. Check all refrigerant system hoses, lines and the position of the newly installed filters to be sure they do not interfere with other engine compartment components. If necessary, use tie straps to make adjustments.
  6. Provide adequate airflow to the front of the vehicle (with a fan, if necessary). Select A/C operation and set the blower motor speed to maximum. Start the engine and let it idle briefly. Make sure the A/C system is operating correctly.
  7. Using a scan tool, command the idle to gradually bring the engine up to 1,200 rpm by running it at lower rpms for short periods (first at 800 rpm, then at 1,000 rpm). Set the engine at 1,200 rpm and run it for one hour with the A/C system operating.
  8. Stop the engine.
  9. Recover the refrigerant. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#) in this section.
  10. Remove the adapters, flexible hoses and pancake filter from between the condenser and the condenser to evaporator tube.
  11. Discard the pancake filter. It can be used one time only.
  12. Reconnect the condenser outlet fitting.
  13. Evacuate, charge and leak-test the refrigerant system. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#) in this section.

---