

Mid-Atlantic Chapter

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Tech Talk: Winter Maintenance

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Winter is a great time to perform maintenance and lubrication checks & fluid refreshes. The Chevrolet Chassis Service Manual for your Corvette's year is a great starting point. Locate the section containing General Information and Lubrication (Section 0 for 1967).

Page 0-21 shows the lubrication items and frequency. Most components need attention every 6,000 miles, but since most of our Corvettes are driven considerably less every year, it's a good idea to keep a maintenance log instead of relying on your memory. If you have multiple classic cars, it's even more important.

In addition to performing the lubrication items shown on the next page, also consider:

- Inspect hoses, belts and lines
- Change the fuel filter
- Inspect the exhaust system
- Check operation of lights
- Inspect tires (check air pressure, tread depth and age)
- Clean breather cap
- Clean crankcase ventilation screen
- Clean carburetor air cleaner
- Replace carburetor air cleaner element
- Clean car interior
- Check convertible top linkage
- Check door alignment
- Check door and body water drain holes
- Check and repair weather-stripping
- Touch-up exterior paint
- Check and clean cooling system
- Tighten drive train fasteners
- Tighten oil pan fasteners
- Tighten starter mounting fasteners
- Tighten exhaust manifold fasteners
- Tighten fuel tank and lines
- Drain water/particles from fuel tank
- Check wiper blades and operation
- Check brake shoes, drums, pads and rotors
- Adjust brakes
- Rotate tires
- Check clutch pedal free travel
- Tune engine
- Check starter motor current draw
- Check and adjust front wheel bearings
- Check steering system for looseness
- Inspect rear spring(s)
- Inspect brake cylinders/calipers for leakage
- Adjust headlight alignment
- Check wheel alignment
- Tighten body mounts
- Clean carburetor

IMPORTANT: If you use Ethanol gas, be sure to include a neutralizing additive to prevent water collection and gumming over the winter. Rule of thumb – Ethanol gas starts getting "interesting" after about 30 days.

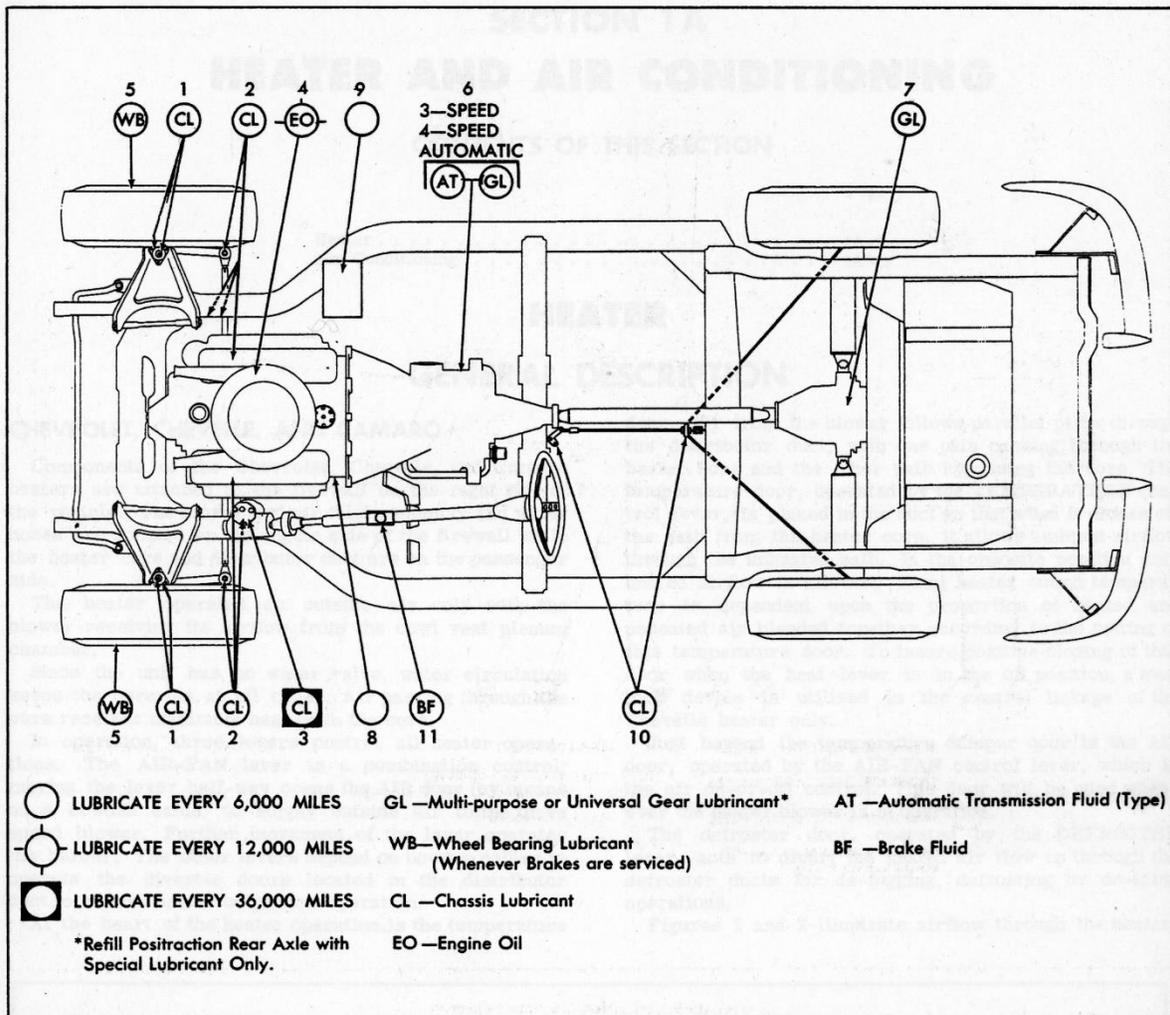


Fig. 36—Lubrication Diagram—Corvette

- 1. Front Suspension
- 2. Steering Linkage
- 3. Steering Gear

- 4. Air Cleaner
- 5. Front Wheel Bearings

- 6. Transmission
- 7. Rear Axle
- 8. Oil Filter

- 9. Battery
- 10. Parking Brake
- 11. Brake Master Cylinder

BODY LUBRICATION POINTS (CORVETTE)

Lubricate the following items when possible.

Hood Latch Mechanism and Hinges --Apply light engine oil to pivot points. Don't oil lock pins or catch plates.

Rear Compartment Lid Release and Hinges --Apply light engine oil.

Side Door Hinge Pins--Apply light engine oil.

Door Lock Rotor and Striker Plate--Apply light engine oil or stainless stick lubricant.

Lock Cylinders--Lubricate with powdered graphite.

Window Regulators and Controls and Door Lock Remote Link --Apply light engine oil.

Gas Tank Filler Cap Hinge--Apply light engine oil.

Weatherstrips and Rubber Bumpers --Coat lightly with a rubber lubricant.