

SECTION 2

LUBRICATION

1964 CORVAIR AND CORVAIR 95—GREENBRIER—ALL SERIES

PERIODIC MAINTENANCE AND LUBRICATION

The time or mileage intervals shown for the services outlined below are intended as a guide for establishing regular maintenance and lubrication periods. Sustained heavy duty or high speed operations or operation under adverse conditions may necessitate more frequent servicing.

ENGINE LUBRICATION

| Lowest Anticipated Temperature During Time Oil Will Be in Crankcase | Recommended SAE Viscosity Oils | Recommended SAE Multi-Viscosity Oils |
|---|--------------------------------|--------------------------------------|
| 32° F. | SAE 30 | SAE 10W-30 |
| —10° F. | SAE 10W | SAE 10W-30 |
| Below —10° F. | SAE 5W | SAE 5W-20 |

It is recommended that you use an oil which, according to the label on the can is (1) intended for service MS and (2) passes car makers' tests or meets General Motors Standard GM 4745-M.

Check the oil level on the dipstick frequently. The level should be somewhere between the "add oil" and "full" marks on the dipstick. Do not overfill. Poor performance and possible engine damage may result if the crankcase is overfilled. Drain and refill the crankcase every 6000 miles or 60 days, whichever occurs first. See Note 3.

When checking or adding oil, be careful to avoid spilling or dropping oil onto the engine shrouding.

OIL FILTER

Change the filter element every 6000 miles or every six months, whichever occurs first. See Note 3.

ENGINE OIL COOLER

Every 12,000 miles remove cover and brush or blow out accumulated dirt. See Note 3.

CRANKCASE VENTILATION

Valve Type

At every oil change the valve should be tested for proper function and replaced when necessary.

Fixed Orifice Type

Check at every oil change. If dirty or plugged clear with suitable drill. Twist drill by hand to remove any sludge or carbon formation. See Note 3

AIR CLEANER

Polyurethane Type

Every 6000 miles clean and reoil filter element. To clean: remove element from screen, wash in non-chlorinated cleaning solvent such as kerosene to remove oil and dirt. Squeeze dry, dip in engine oil and squeeze to remove excess oil. (Never shake or wring—always squeeze.) Then wrap element in a clean, dry cloth and squeeze out any remaining oil.

Paper Element Type

First 12,000 miles inspect or test element; if satisfactory, re-use element but recheck every 6,000 miles until replaced. Element must not be washed, oiled, tapped, or cleaned with an air hose.

BATTERY

Every 6000 miles clean and oil battery terminals and oil felt washer. Clean top of battery with diluted ammonia or soda solution and flush with clean water. Check state of charge especially in freezing weather. An undercharged battery may freeze and break.

GENERATOR

Every 12,000 miles fill both oilers with light engine oil. Do not over-oil the oiler nearest fan belt.

DISTRIBUTOR CAM LUBRICATOR

Every 12,000 miles rotate cam lubricator 180 degrees. Replace lubricator at 24,000 mile intervals.

LUBRICATION 2-2

FUEL FILTER

Corvair and Corvair 95

Replace filters, located in each carburetor inlet, only if flooding occurs.

Corvair Spyder

The fuel filter is a separate unit mounted on the air cleaner support bracket at the left of the air cleaner. It should be replaced at 12,000 mile intervals. At the same interval, also clean the screen located in the carburetor inlet.

STEERING GEAR

Every 36,000 miles remove the filler plug and check to see that the lubricant is at the level of the filler plug hole. If necessary add steering gear lubricant as required.

FRONT WHEEL BEARINGS

Every 36,000 miles clean and repack bearings with high melting point wheel bearing lubricant. Replace grease seals at the same time.

CHASSIS LUBRICANT

Every 6,000 miles or six months lubricate the chassis, at the points listed below, with lubricant specified in Note 1.

Corvair

Front Suspension—4 Lubrication Fittings.

Steering Linkage—4 Lubrication Fittings.

Corvair 95

Front Suspension—4 Lubrication Fittings.

Steering Linkage—8 Lubrication Fittings.

Clutch Pedal Pivot—1 Lubrication Fitting.

Brake Pedal Pivot—1 Lubrication Fitting.

Clutch Linkage—Coat the exposed clutch linkage (located just ahead and to the right of the transmission).

CLUTCH CROSS SHAFT

Periodic lubrication is not required. At 36,000 miles or sooner, if necessary, remove plug, install lubrication fitting and lubricate with chassis grease. (Note 1)

TRANSMISSION—POWERGLIDE

Every 6000 miles check fluid level on dipstick, located in the right front of the engine compartment, with engine idling, selector lever in NEUTRAL posi-

tion, parking brake set and transmission at operating temperature. Add automatic transmission fluid type "A" bearing the mark AQ-ATF, followed by a number and the suffix letter "A," to full mark on dipstick. DO NOT OVERFILL. Correct oil level must be established by dipstick measurement.

Add small amounts of oil, checking the level after each addition, until the proper level is reached.

NOTE: From the "Add Oil" mark to the "Full" mark on the dipstick indicates a difference of only 1 pint of fluid.

If vehicle is so equipped, clean dust and dirt from transmission oil cooler every 12,000 miles. Cooler can be serviced through battery access door.

TRANSMISSION—3 AND 4-SPEED

Follow recommendations under "Rear Axle."

TRANSMISSION CONTROL LINKAGE—3 AND 4-SPEED

Corvair

Every 12,000 miles pull back rubber boot and surround connector and the surrounding area with lubricant specified in Note 1.

Every 12,000 miles remove tunnel cover under vehicle and lubricate gearshift lever ball and socket with lubricate or equivalent.

REAR AXLE

Whenever engine oil level is checked, also check axle oil level on the dipstick at operating temperature. If oil level is at or below "ADD" mark on dipstick, fill with lubricant specified in Note 2, to level of filler plug hole on axle. Whenever rear axle lubricant is low, also check 3 or 4-speed lubricant level.

BRAKE MAIN CYLINDER

Every 6,000 miles check fluid level and maintain $\frac{1}{4}$ " below opening.

PARKING BRAKE AND CLUTCH PULLEYS AND CABLES—CORVAIR

Every 12,000 miles lubricate pulleys under dash. Remove the tunnel cover under vehicle and lubricate pulleys and cable bearing points with lubricant specified in Note 1. Lubricate gearshift lever ball and socket at the same time.

AIR CONDITIONING

Every 6000 miles check sight glass, located under the hood, after the system has been in operation for several minutes. Sight glass should be clear. Bubbles or dirt indicate a leak which should be corrected immediately by your Chevrolet Dealer.

Every week—during winter months—run the system 10 to 15 minutes to ensure proper lubrication of the seals and moving parts.

Body Lubrication

The body lubrication requirements remain the same as indicated in the 1961 Corvair Shop Manual except for the addition of lubrication requirements for the rear quarter regulator and guides.

Lubricate when access to parts is available.

Rear Quarter Window Regulator and Cams

Apply a coat of Lubriplate or equivalent to area of

regulator sector indicated by "1" and to sliding surfaces of guide or cam channels as indicated by "2" in Figure 2-1.

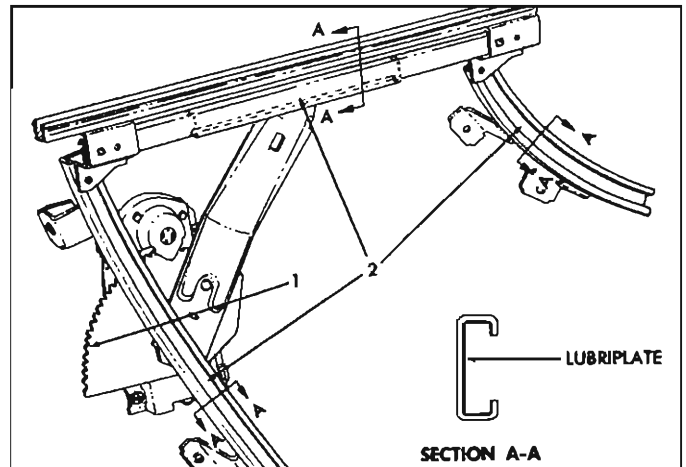


Fig. 2-1—Rear Quarter Regulator, Cams, and Guides

NOTE 1: Lubricate with water resistant EP lubricant.

NOTE 2: Use SAE 80 Multi-purpose Gear Lubricant meeting requirements of U.S. Ordnance Spec. MIL-L-2105B.

NOTE 3: Under prolonged dusty driving conditions it is recommended that this operation be performed more often.