

133. Carburetor Air Cleaner

a. Description. The carburetor air cleaner is an oil bath-type with a replaceable element (fig. 100). Its purpose is to remove dirt and other foreign matter from the air before it enters the carburetor. The air cleaner shroud provided on vehicles of early manufacturers was discontinued on later vehicles (par. 6). Maintenance of both types of air cleaner is described in this section.

b. Servicing. Servicing of the carburetor air cleaner is part of the lubrication service. It should be performed as frequently as operating conditions require.

- (1) On air cleaners equipped with a shroud, loosen the three shroud wing nuts attaching the shroud cover to the shroud base. Disengage the eye bolts from the retainer brackets and remove the shroud cover with gasket.
- (2) Loosen the wing nut on top of the air cleaner element and remove the reservoir and element as a unit.
- (3) Lift the element from the reservoir.
- (4) Remove the oil from the reservoir and clean both the element and the reservoir with volatile mineral spirits or dry-cleaning solvent and dry with compressed air.
- (5) Install the reservoir on the air cleaner retainer.

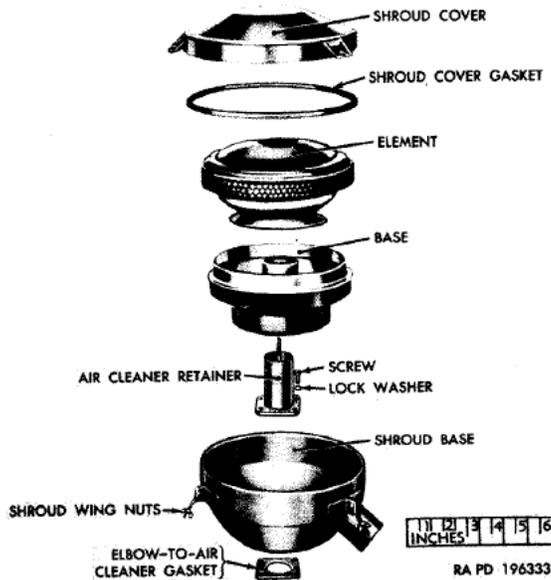


Figure 100. Carburetor air cleaner with shroud—exploded view.

- (6) Fill the reservoir to the oil level mark with specified lubricant. Refer to lubrication order (figs 33 and 34).
- (7) Install the element in the reservoir and tighten the wing nut on top of the element.
- (8) On vehicles so equipped, install a new shroud cover gasket, if necessary, and position cover on shroud base, alining the cover retainer brackets with the eyebolts attached to the base, and tighten the three wing nuts.

c. Removal.

- (1) Remove the air cleaner element and reservoir (b (1) and (2) above).
- (2) Remove the four screws and lockwashers attaching the air cleaner retainer, shroud base (on vehicles so equipped), and gasket to the air cleaner elbow. Remove the retainer, shroud base, and gasket. Discard the gasket.

d. Inspection. Inspect the air cleaner and related parts for distortion, corrosion damage, or other visual damage. Replace parts as necessary.

e. Installation.

- (1) Install a new elbow-to-air cleaner gasket (fig. 100) on the air cleaner elbow, alining the screw holes.
- (2) On vehicles so equipped, position the shroud base on the gasket with the snorkel extension toward the right fender.
- (3) Position the air cleaner retainer in the shroud base or on the elbow-to-air cleaner gasket, alining screw holes. Install four $\frac{5}{16}$ -inch external-teeth lockwashers and $\frac{5}{16}$ -18NC x $\frac{3}{4}$ fillister-head screws. Tighten screws.
- (4) Install the air cleaner reservoir, element, and shroud cover (b(7) and (8) above).

134. Carburetor Adjustments

a. Adjust choke control. Loosen the choke control swivel screw (E, fig. 101). Push the choke control bracket to the fully closed position and if sufficient clearance does not exist between bracket and control conduit, loosen the screw at the choke control clip (G, fig. 101) and push the conduit back. Tighten screw. Push the choke control (Y, fig. 12) all the way in. Hold the choke control bracket (J, fig. 101) to the fully open position (toward air cleaner) and tighten the choke control swivel screw (E, fig. 101).

b. Adjust Throttle Control.

Note. The key letters noted in parentheses are in figure 102.

- (1) Loosen the nut (K) on the throttle control bellcrank to carburetor rod (M). Disengage the bellcrank rod by removing the cotter pin (Q) and plain washer (P).
- (2) Push the throttle control (H, fig. 12) all the way in and loosen the lever swivel screw (L).