

INSTALLATION INSTRUCTIONS FOR:
F. ATLEE DODGE MUFFLER, MUFFLER SHROUD & PREHEATER SHROUD

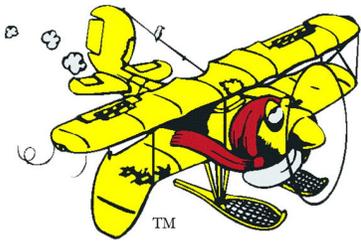
FOR: PA-18
P/N: 3236

1. Remove the engine cowling leaving the nose cowl and propeller installed.
2. Remove the screws securing the top and bottom mounting brackets (channels) a the firewall.
3. Disconnect tachometer cable at the engine.
4. Remove the bolts securing the engine mount upper and lower engine mount legs to the "V" brackets on the firewall RH side only.
5. Swing engine out hinging from the LH engine mount legs. Be careful that al lines, wires, ect, are free. Install an AN3 bolt in hinge to lock engine mount in open position.
6. Drop rear exhaust stack at cylinder flanges.
7. Remove the muffler assy by removing both clamps at each of the mufflers.
8. Remove the muffler shroud by first sliding the clip from the shroud, spread open and pull from muffler.
9. Remove the exhaust stack shroud by removing the clip and spreading the shroud.
10. If new F. Atlee Dodge shrouds are to be installed, proceed as fallows: muffler shroud P/N 3236 on an F. Atlee Dodge muffler P/N 3241 or Pieper muffler P/N 12433-14 and exhaust stack shroud P/N 3182 (preheater shroud).
11. The shroud are two piece shrouds and are clamped together with hose clamps. The preheater shroud uses 2 each -44 clamps (1 1/4" inches).

The muffler shroud used 3 clamps, one of which have cut out in the clamp to clear an outlet. 3 each -56 clamps (4" inches)

12. Install the upper and lower halves of the exhaust shroud on the muffler. Installed one clamp at each end of the shroud with the one with the cut out to go on the LH side of the shroud. The third clamp to go approximately center of shroud between tailpipe and 2" inch outlet.

Torque to a snug fit with ends snug against the muffler.



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13. The preheater shroud uses 2 clamps each, one at each end. The outlet with the steep angle goes to the RH side and at the bottom. Torque per item 14.
14. In reverse procedure, reassemble the engine exhaust, engine mount and cowling.

Have a second mechanic or an inspector recheck all work.
15. Make appropriate entry in log book. Fill out FAA Form 337.

Weight change is negligible.