

# Don't Give Seal

**M**echanics, letting an M1-series tank operate with a loose or torn air induction system plenum seal is like signing its death warrant.

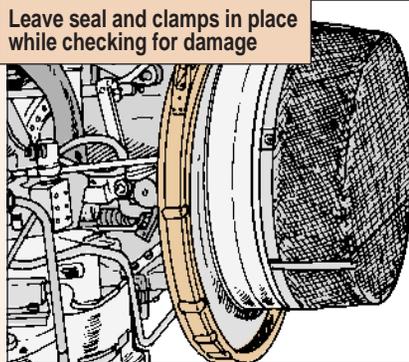
The turbine has to get air from somewhere, whether it's clean or dirty. And if the plenum seal is damaged or not installed correctly, you can bet a lot of the air's going to be dirty.

So make sure the engine gets clean air. Here's how:

## Inspection

Remove the air intake cover and look at the seal for tears or other damage. Feel under the seal's lip, too. The surface should be flexible and springy, not soft or brittle.

Leave seal and clamps in place while checking for damage



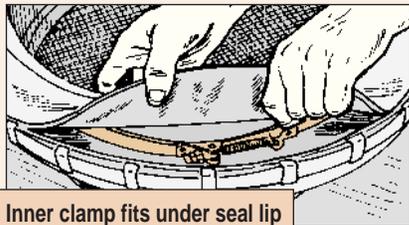
Next, examine the inner and outer hose band clamps. Look for looseness or stripped threads.

Any damage to the seal or clamps means you replace 'em. A new seal and outer clamp comes with NSN 5330-01-079-9954. NSN 4730-01-083-6059 gets a new inner clamp.

## Installation

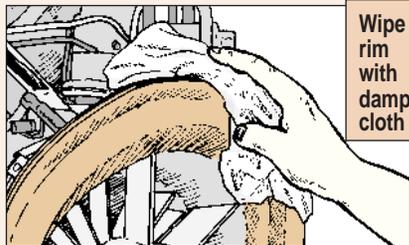
Here's what to do with the new seal and clamps:

**1.** Pull back the lip of the seal and install the inner clamp. Then put the outer clamp on the seal with the clamp screw positioned at the top.



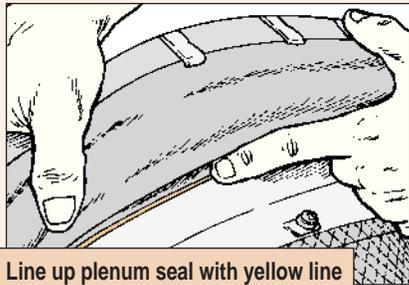
Inner clamp fits under seal lip

**2.** Wipe off the air intake rim, then slide on the seal, top side up. Wipe the plenum seal, too. Make sure the outer



Wipe rim with damp cloth

edge of the seal lines up with the yellow line all the way around the rim.



Line up plenum seal with yellow line

# a Raw Deal

**3.** Pull back the lip and slide the inner clamp around so that the clamp screw is at 5 o'clock.

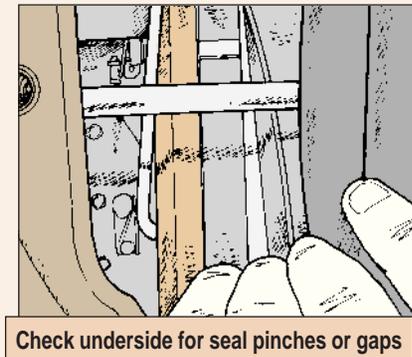
**4.** Torque both the inner and outer clamp nuts to 60–85 lb-in.

## Last Step

After you've installed the plenum seal, don't try to reach around it to feel if the seal's in place. You won't be able to reach far enough and it's almost impossible to tell if the seal is pinched, anyway.

Instead, crawl under the tank and check the bottom of the seal through

the hull access plate. With a flashlight in hand, it's easy to tell if the bottom of the seal is ready to go.



Check underside for seal pinches or gaps

