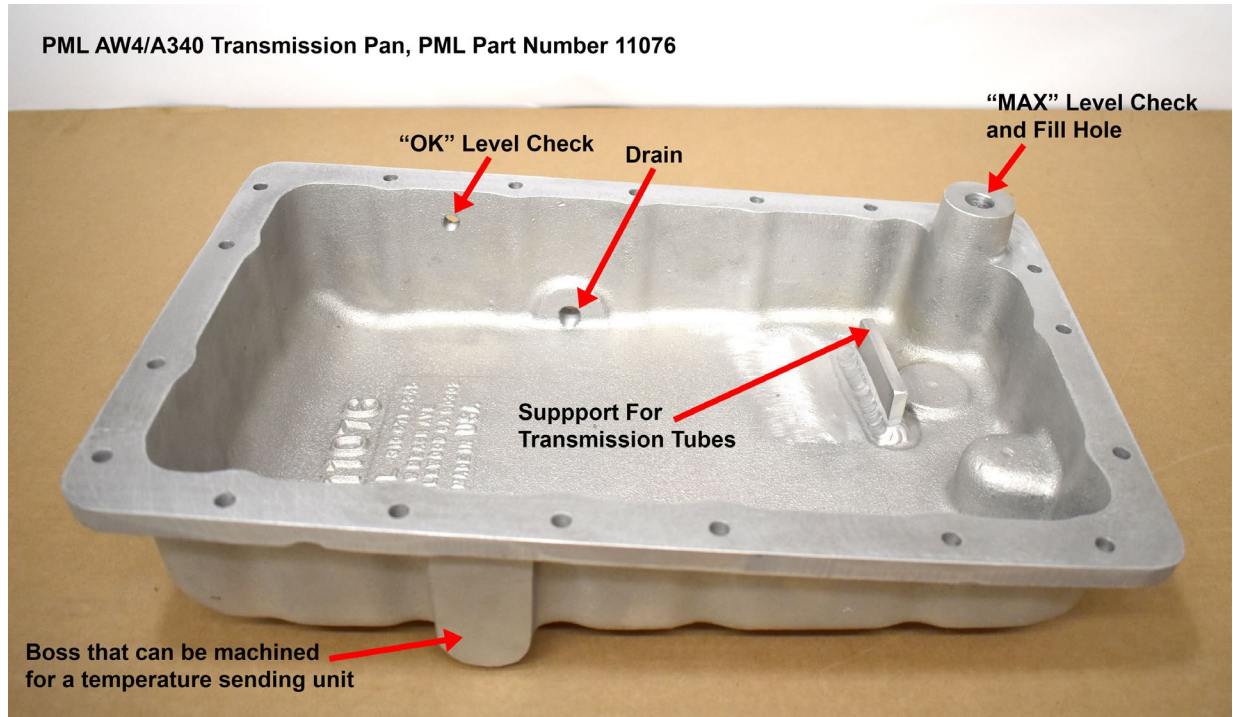


PML AW4, A340 Transmission Pan "No Dipstick" Design Details

Overview of PML pan:



Once installed, the bottom of the transmission pan should be parallel to the ground for the fluid level check system on the PML pan to be accurate.

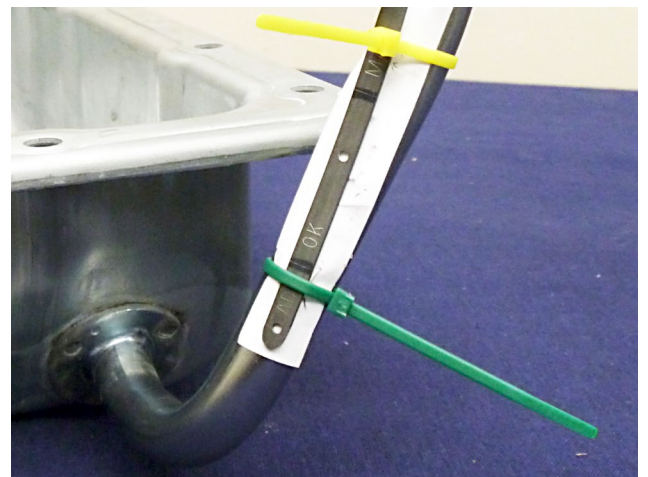
OEM Dipstick Information For Reference:

The OEM dipstick has two levels: "OK" and "MAX".

We tie-wrapped the dipstick to the outside of the tube for visibility.

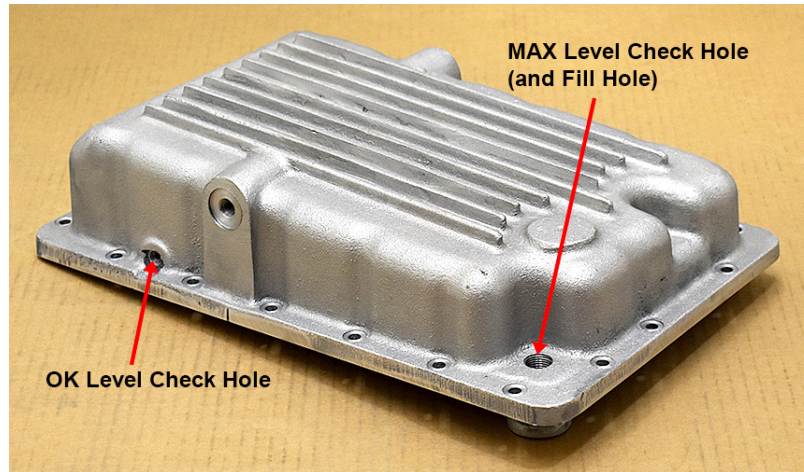
The OK level is just above the green tie-wrap and the MAX level is just below the yellow tie wrap.

PML replicated the function of these two levels on our pan with holes at the corresponding OK and MAX levels.



So with a PML AW4/A340 pan you do NOT use a dipstick. The OK and MAX fluid level checks are holes on the pan. Plugs for the holes are included.

Checking transmission fluid levels with PML pan:



Check the fluid level as you would with the stock pan (temperature, parked on a level surface).

Remove the plug from the MAX level/fill hole. If fluid dribbles out, there is plenty of fluid.

If no fluid dribbles out, remove the plug from the OK level hole. If fluid dribbles out, the fluid is between the MAX and the OK level.

If no fluid dribbles out the OK level check hole, replace the OK hole plug and add fluid into the MAX level/fill hole.

Filling the PML pan with transmission fluid:

To fill the PML AW4/A340 pan, use the fill/MAX level check hole on the bottom of the pan.

Using a pump, add fluid. Tube should be flexible so it will bend and put fluid inside the pan.

The top of this fill hole corresponds to the MAX level on the dipstick.

Fill until the fluid starts to dribble out then put in the fill hole plug.

Always measure how much fluid drains out and how much fluid is added. This PML pan holds about 1 quart more fluid than the stock pan.



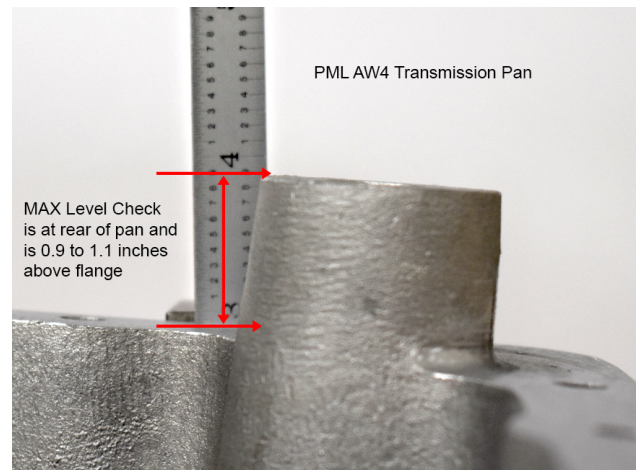
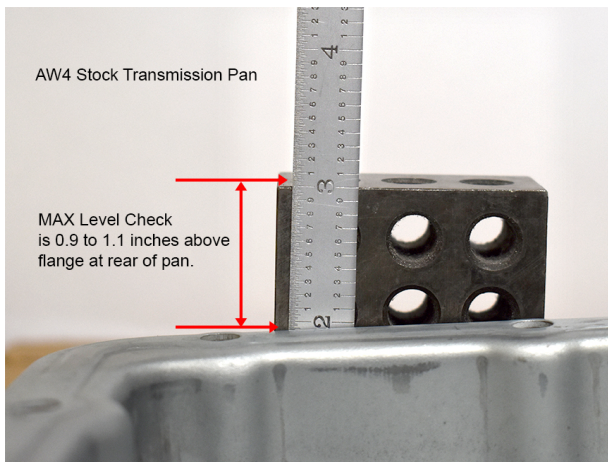
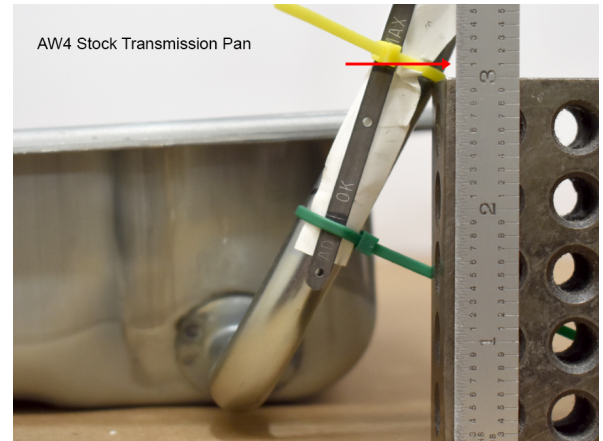
How PML Determined Location of OK and MAX Holes:

On the stock pan, the MAX level is at 3.1 inches.

Since the PML MAX level is at the rear of the pan, check the distance at the rear of the stock pan.

From the flange to 3.1 inches above the flange on the stock pan is about 1 inch.

The PML pan needs to maintain that same distance above the flange.



The OK level is about 0.875 (7/8) inch below the flange.



In addition to these rough manual measurements, PML laser scanned the parts and used computer-aided design software to determine the locations. There is some variability since there is a big range between OK and MAX levels and the transmission housing flange is not parallel to the ground.