

# Titel: SA300 Volvo TPS sensor assembly information sheet

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	Author: <b>Shirley Zhang</b>	
	Date 20-02-08	Version 1.01

Photo:




Scope:

This sensor is usable for the following Volvo throttle bodies: 8644344, 8644345, 8644346, 8644347

**Assembly Instructions:**

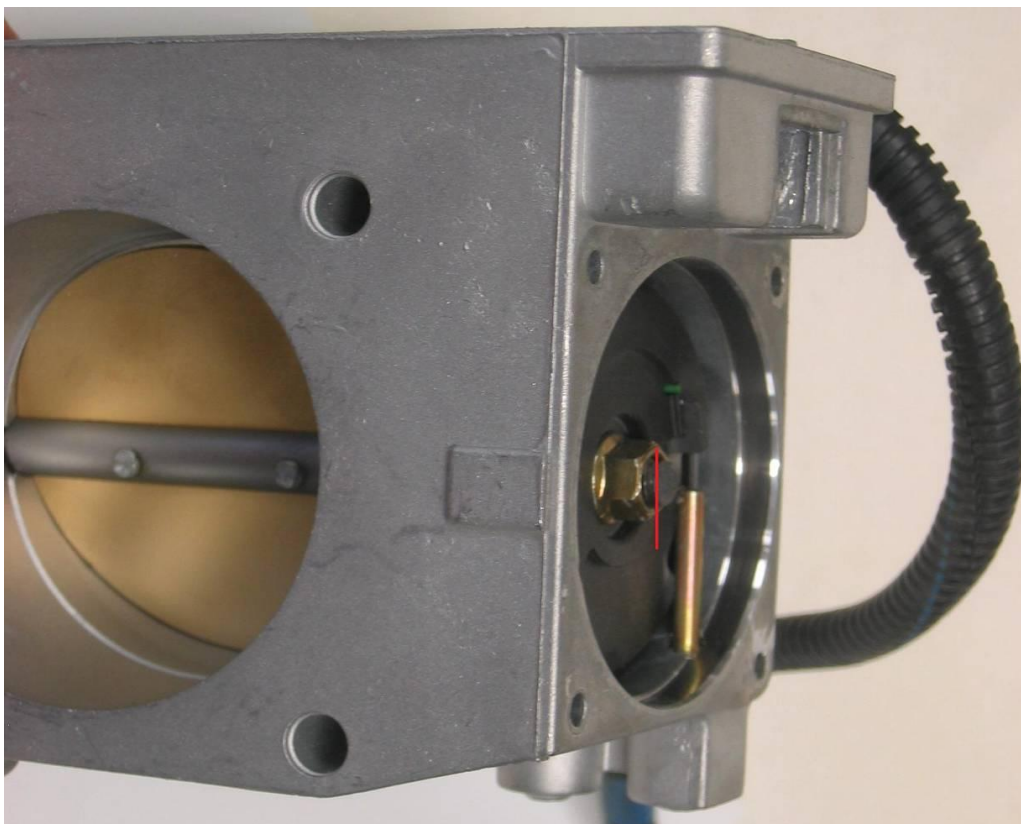
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Step 1) Remove the old sensor cap, from the opposite from the actuator side. (the cap with the three pins).

Step 2) Shorten the shaft until just above the NUT. (see red line in the photo below)



Step 3) Remove the nut, put the magnet on place, and mount the Nut again, adding some LOCTITE!

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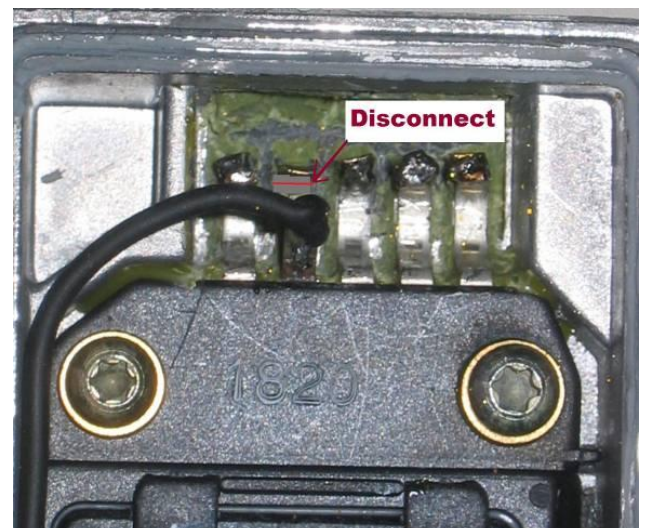
Step 4) Put the new SACER tps sensor cap in place. Make sure the rubber O-ring is correctly in place.

Step 5) Check if the throttle moves smoothly, and that the magnet does not make contact with the sensor house.

Step 6) Solder the three pins from the sensor on one side.


Step 7) disconnect the second pin from the controller from the other old sensor.

Now, solder the wire from the new sensor, to the second pin from the controller, as in the photo below



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Step 8) fill up and seal the connecting places, so there will not come any water inside the new sensor.

Step 9) Inform the customer that an throttle body update (called 'ETM RELOAD') is needed after installing the rebuild throttle body. Even if it concerns a customer repair.