

## FORK POSITION SENSOR REPLACEMENT INSTRUCTIONS

### COMPLETE REPLACEMENT INSTRUCTIONS FOR FORK POSITION SENSOR REPLACEMENT BY XeMODeX

Fork Position Sensor replacement requires the PDK Transmission to be removed from the vehicle. The back cover of the transmission needs to be then removed and this procedure requires a special pulley tool. We highly recommend that the sensor replacement is performed by a qualified technician. The sensor replacement itself is a straightforward procedure requiring removal of 3-T27 Screws from the sensor and 2-T27 Screws holding the RPM sensor.

The final step of installation is sensor calibration procedure. That can only be done via specialized diagnostic scan tool.



#### BEFORE YOU BEGIN

LISTED BELOW ARE THE TOOLS REQUIRED FOR FORK POSITION SENSOR REPLACEMENT

1. Measuring tape
2. Wire stripper
3. Wire cutter
4. Rosin flux
5. Soldering iron
6. Heat gun



# FORK POSITION SENSOR REPLACEMENT INSTRUCTIONS

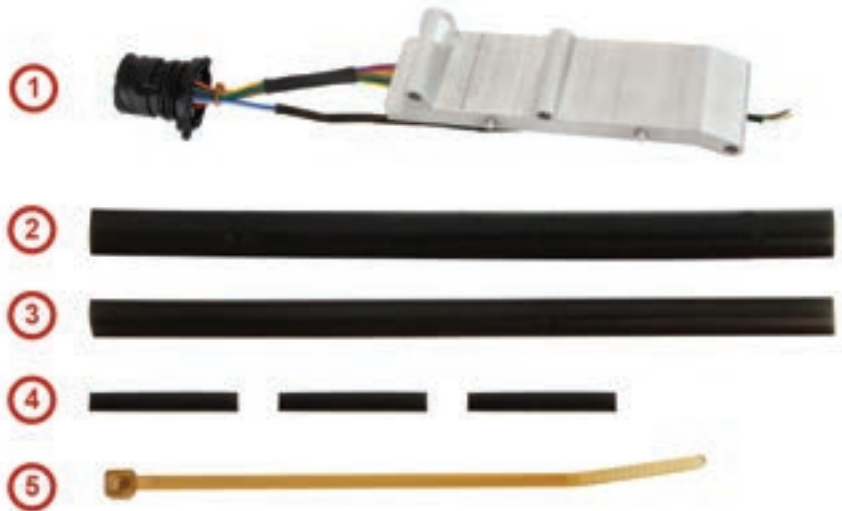


## What's included in our kit?

1. Fork Position Sensor
2. Shink tube 1 (3/16 - 5 inches long)
3. Shink tube 2 (1/4 - 5 inches long)
4. Shink tube 3 (1/6 - 1 x 3 long)
5. Zip tie



RPM Sensor not included



# FORK POSITION SENSOR REPLACEMENT INSTRUCTIONS

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## STEP ONE

Remove the distance sensor, speed sensor and the plug as they are only held in by a few bolts. Plug should slide out after you remove retaining clip on the outside. (see fig 1-2)



fig. 1

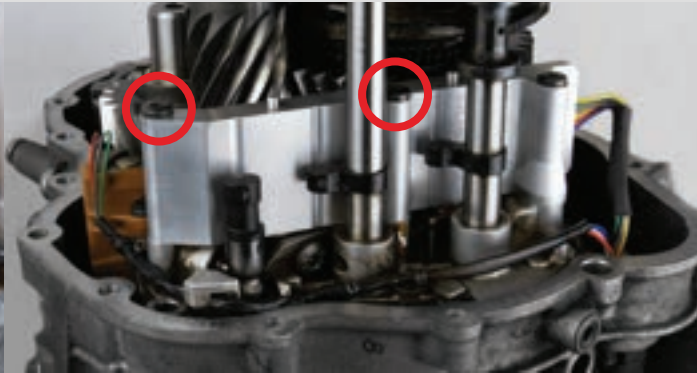


fig. 2

2

## STEP TWO

Examine the wires from the RPM Sensor to the 6 Pin Plug. (fig. 3)

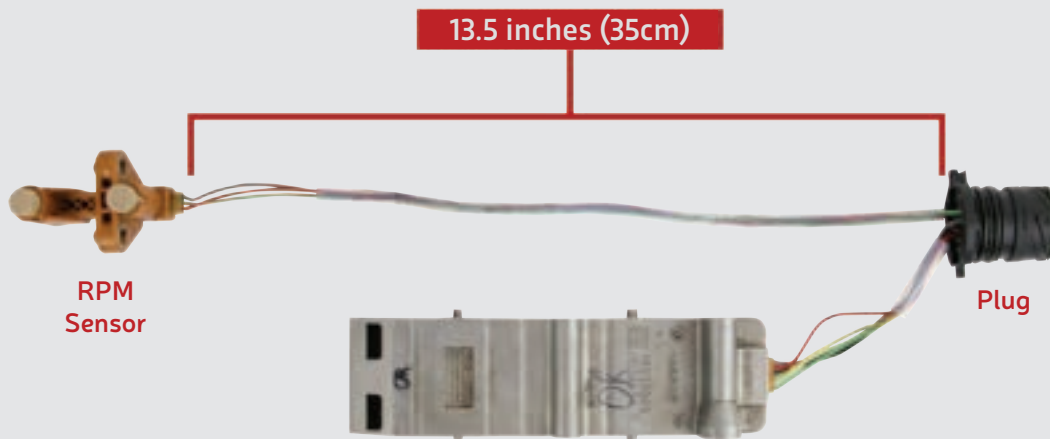


fig. 3

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## STEP THREE

Cut right between 9.5 inches from the RPM Sensor and 4 inches from the plug as shown in (fig. 4). Then take the OEM tube out.

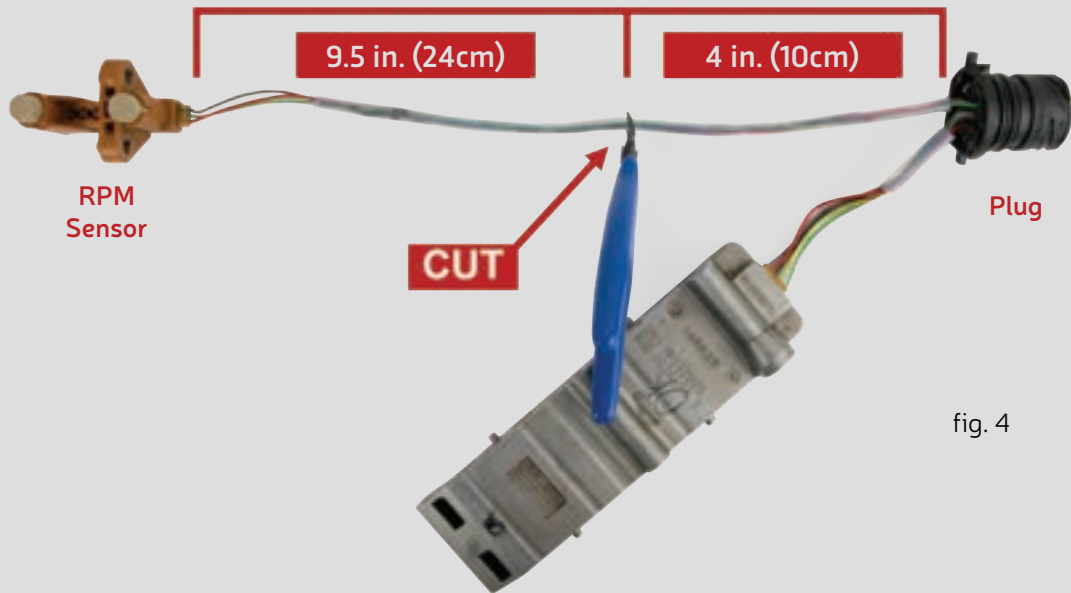


fig. 4

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## STEP FOUR

Use our provided Shink Tube 3. Slide all 3 tubes into each wire from the RPM Sensor as shown in (fig. 5). After doing that set the RPM Sensor aside.

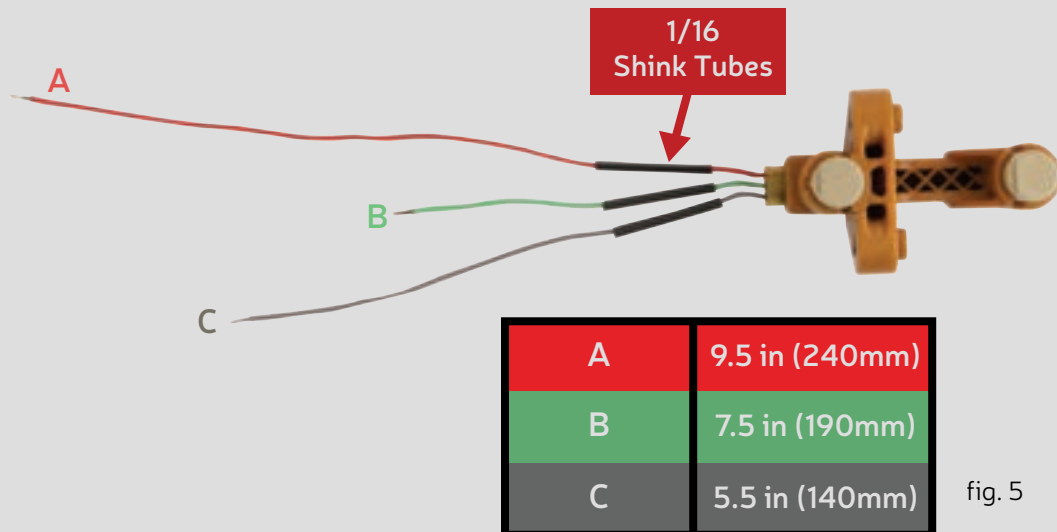


fig. 5

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## STEP FIVE

Using XeMODeX Shink Tube 1 & 2, slide the tubes through all 3 wires as shown on (fig. 6).

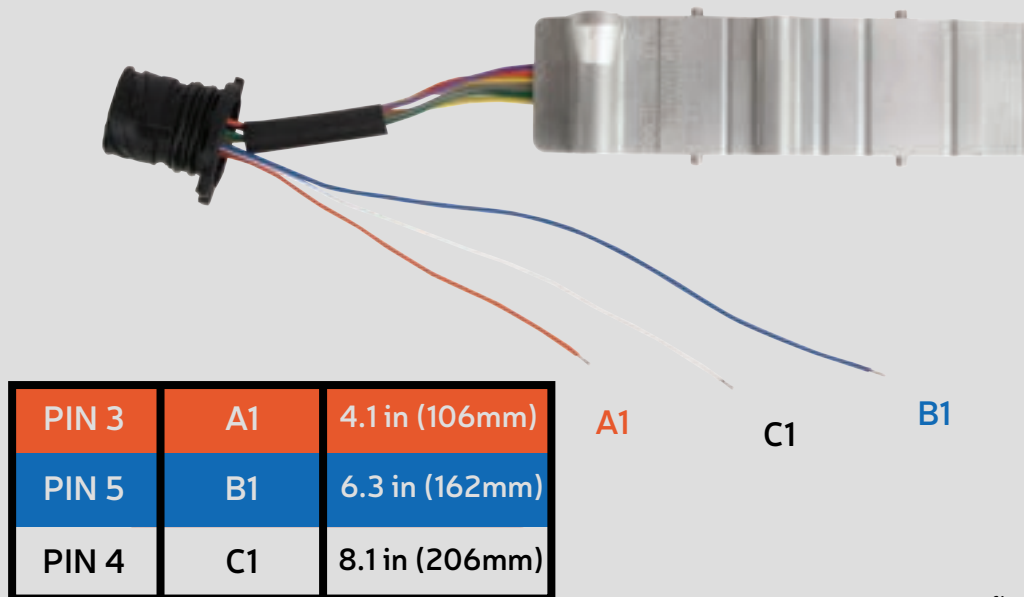


fig. 6

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## STEP SIX

Shink Tube 1 should be covering Shink Tube 2 as shown in (fig. 7).

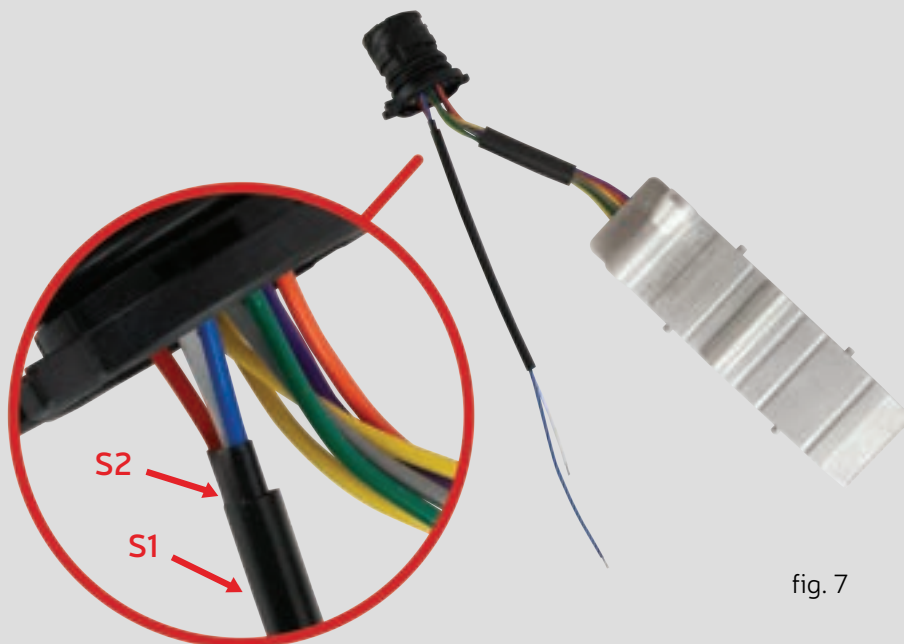


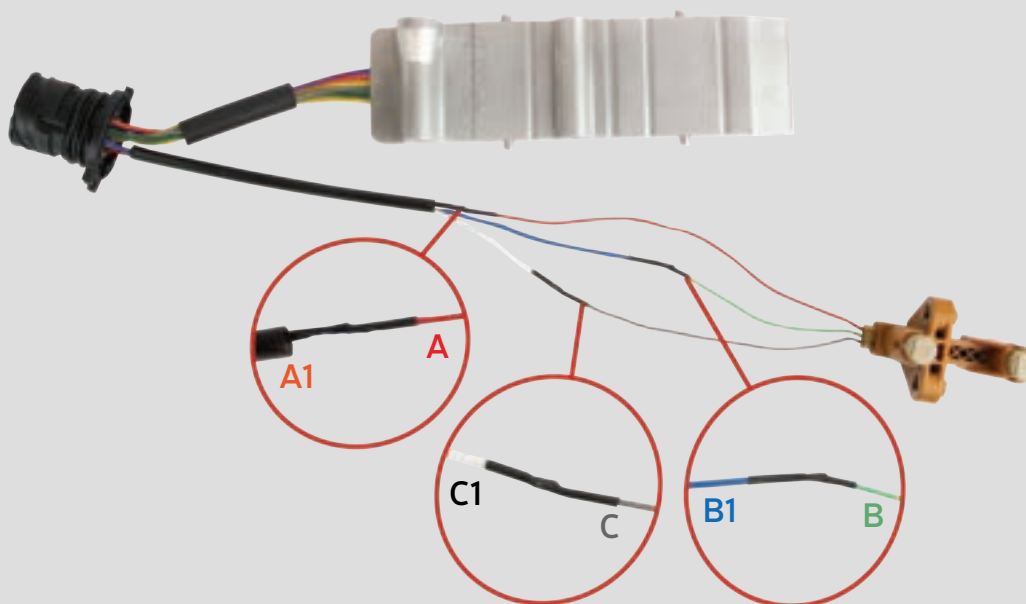
fig. 7

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## STEP SEVEN

Solder the wires to the correct colors shown below.



PIN 3	A1	A
PIN 5	B1	B
PIN 4	C1	C



### SOLDERING INSTRUCTIONS

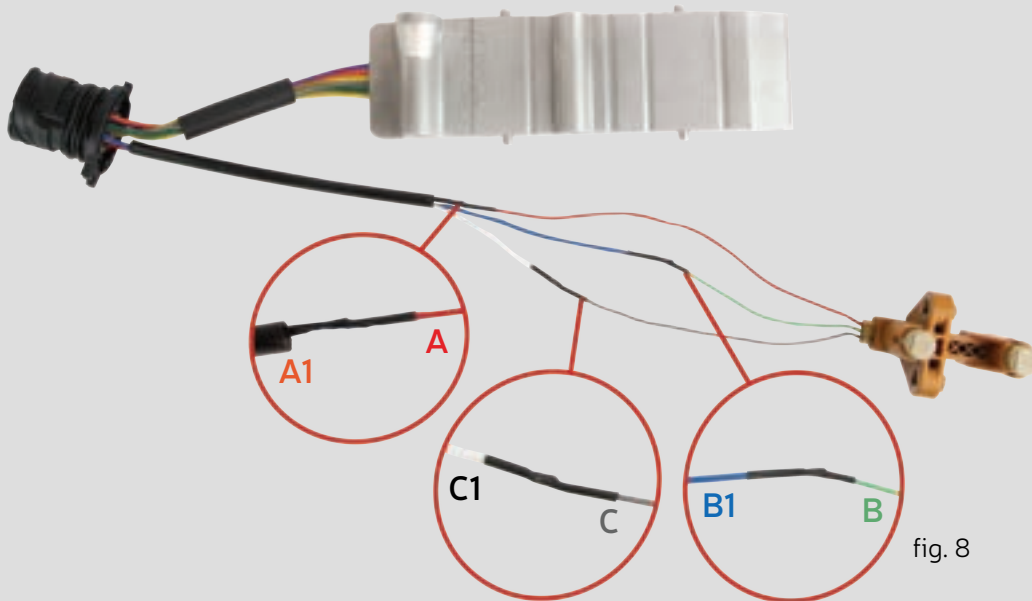
1. Solder **orange** wire A1 to **red** wire A
2. Solder **blue** wire B1 to **green** wire B
3. Solder **white** wire C1 to **grey** wire C

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## STEP EIGHT

After soldering slide the Shrink Tube 3 over top of the soldering location. (fig. 8)



PIN 3	A1	A
PIN 5	B1	B
PIN 4	C1	C

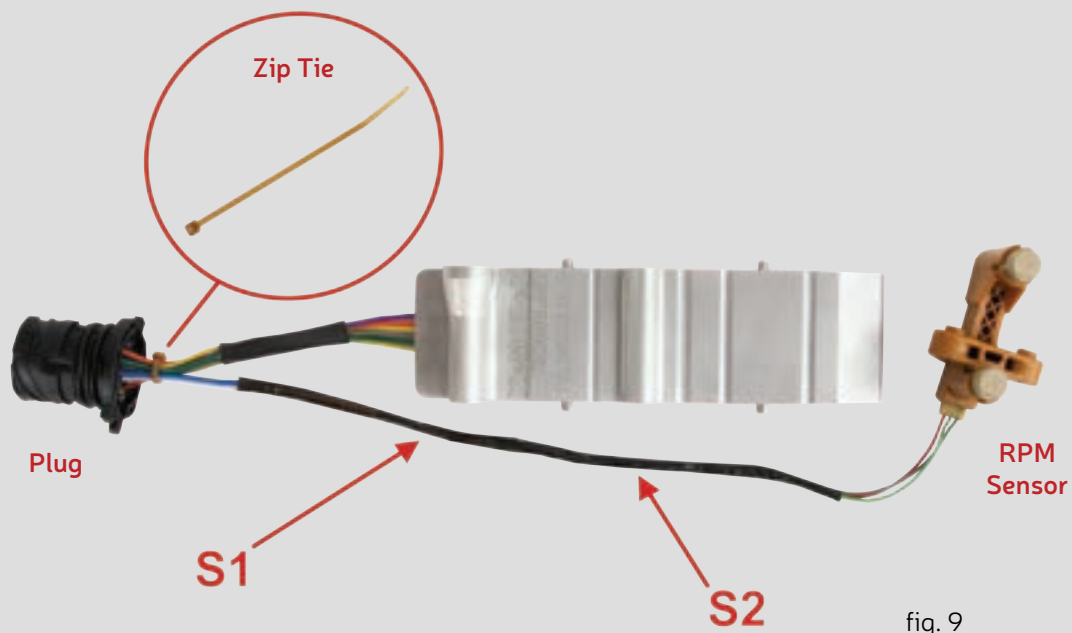


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## STEP NINE

Tie the Zip Tie included with the kit and slide the Shink Tube 2 to cover the Shink tube 3 like shown in (fig. 9).



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## STEP TEN

Perform Sensor callibration. Callibration requires specialized diagnostics scan tool.