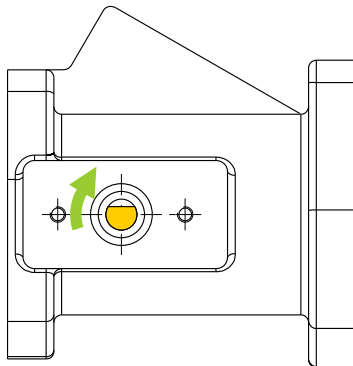
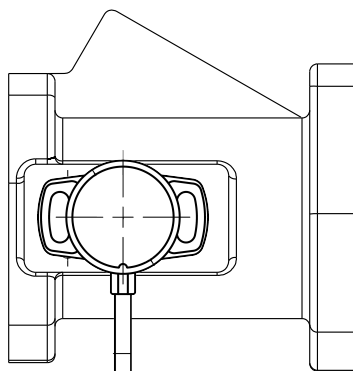




THROTTLE SHAFT ROTATES **CLOCKWISE** FROM
CLOSED TO OPEN



D-SHAFT ORIENTATION AT
CLOSED THROTTLE
(FLAT AT TOP OF SHAFT)
SHAFT TURNS **CLOCKWISE**
AS THROTTLE OPENS



TPS MOUNTING ORIENTATION

PTO FOR COUNTER-CLOCKWISE

WIRING FOR **CLOCKWISE-TO-OPEN**
ROTATION

Green		+5V
Yellow		Signal
Blue		Ground
Red		Not Used
White		Not Used
Black		Not Used

SENSOR SPECIFICATIONS

Closed Throttle -	1.2V Nominal
Open Throttle -	4.2V Nominal
IP Rating -	IP68 (minimum)
Operating Voltage -	5V +/-0.5V
Typical Life Cycle -	>50 million movements
Electrical Cable -	Raychem Spec 55, 24 AWG
Electrical Cable Sleeving -	Raychem DR25

BEST SUITED TO TILTON THROTTLE PEDALS

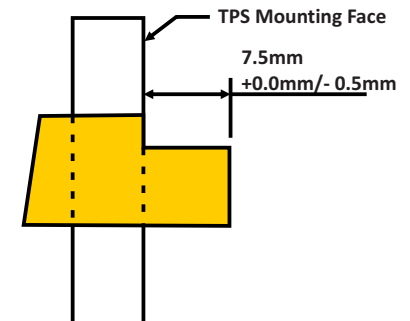
D-SHAFT SPECIFICATIONS

It's extremely important for reliable operation of this TPS that the D drive is a firm fit into the D receptacle in the Throttle Position Sensor.

D-Shaft Detail End View:



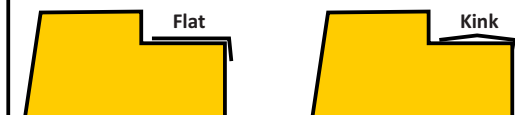
D-Shaft Detail Side View:



D-SHAFT WEDGE

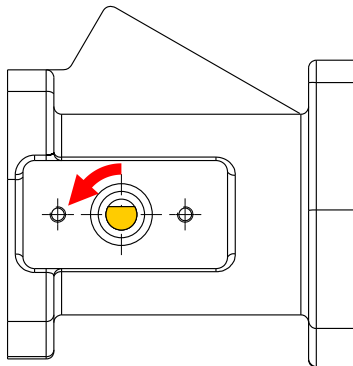
If the D on your shaft is less than 6.0mm, you must use the supplied 0.2mm shim to pack the flat of the D for positive shaft to sensor engagement.

If required, put a kink in the shim to increase engagement

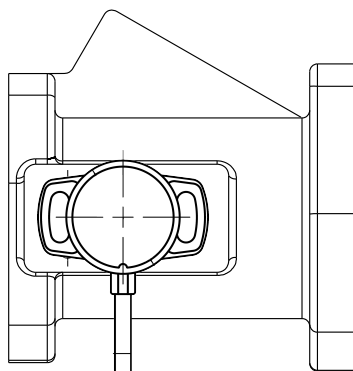




THROTTLE SHAFT ROTATES **COUNTER-CLOCKWISE**
FROM CLOSED TO OPEN



**D-SHAFT ORIENTATION AT
CLOSED THROTTLE
(FLAT AT TOP OF SHAFT)
SHAFT TURNS COUNTER-CLOCKWISE
AS THROTTLE OPENS**



TPS MOUNTING ORIENTATION

PTO FOR CLOCKWISE

Green Not Used

Yellow Not Used

Blue Not Used

Red +5V

White Signal

Black Ground

**WIRING FOR COUNTER-CLOCKWISE-
TO-OPEN ROTATION**

SENSOR SPECIFICATIONS

Closed Throttle -	1.2V Nominal
Open Throttle -	4.2V Nominal
IP Rating -	IP68 (minimum)
Operating Voltage -	5V +/-0.5V
Typical Life Cycle -	>50 million movements
Electrical Cable -	Raychem Spec 55, 24 AWG
Electrical Cable Sleeving -	Raychem DR25

BEST SUITED TO TILTON THROTTLE PEDALS

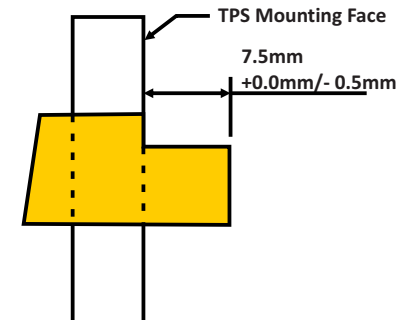
D-SHAFT SPECIFICATIONS

It's extremely important for reliable operation of this TPS that the D drive is a firm fit into the D receptacle in the Throttle Position Sensor.

D-Shaft Detail End View:



D-Shaft Detail Side View:

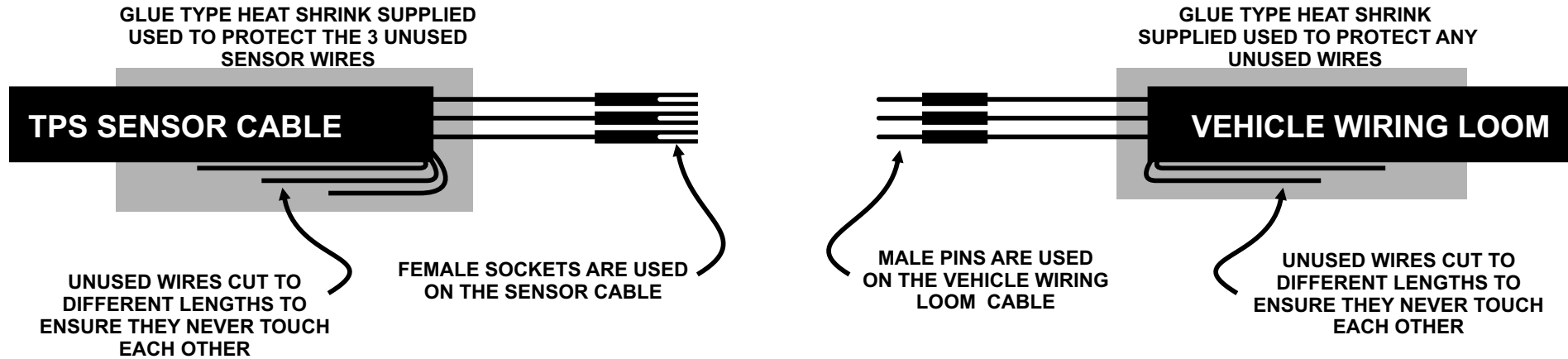


D-SHAFT WEDGE

If the D on your shaft is less than 6.0mm, you must use the supplied 0.2mm shim to pack the flat of the D for positive shaft to sensor engagement.

If required, put a kink in the shim to increase engagement





NOTE: Before you begin any wiring, fit the rubber boot onto the TPS Sensor Cable, and push it back out of the way while you are cutting wires and crimping on terminals.

Sample Female F-Crimp Terminal



Deutsch DTM 3 Way Connector with Rubber Boot and F-Crimp Terminals and Glue Lined Heat Shrink

H-TPS-MS-V-DTM-F

vs

H-TPS-MS-V-DTM-G

Sample Solid Type Gold Plated Male Terminal



Deutsch DTM 3 Way Connector with Rubber Boot and "Solid" Gold Plated Terminals and Glue Lined Heat Shrink

This kit is supplied with F-Crimp Type Terminals.

It is far more common for people to have tools to crimp F-Crimp terminals than for them to have tools for Deutsch "Solid" terminals.

The part number for the F-Crimp Tool is D-HT-F0220

This kit is supplied with Deutsch "Solid" type gold plated terminals.

Gold plated terminals offer the best conductivity and lower rates of corrosion than nickel plated terminals.

You will need a specific Deutsch crimp tool for this kit. The part number for the tool is D-DET20