

ENGINEERING

Fan Belt Sensor Pulley Installation

PROC-000005

(Version A-01)



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1. Version History

Version	Description	Name	Date
A	Initial Release	Pat Derkacz	2020-07-17

2. Overview

This procedure covers the installation of the Fan Belt Sensor Pulley Kit into a Porsche 964/993

Number of required personnel: 1

Estimated time required to complete: 60 minutes





3. Included in Kit

Part #	Description	Quantity
102-IXXI-964-0004	Fan Belt Sensor Pulley Assembly	1
119-FAST-FLT-M601	Stainless Steel Flat Head Screw M6 x 18mm	1
119-NUTS-LOK-M602	Stainless Steel Nylon Insert Locknut M6	1

4. Required Tools

Equipment/Items
4mm Allen key
5mm Allen key
10mm Wrench/Socket
Blue Loctite
15/64" or 6mm drill bit
90 Degree countersink bit
Drill press/hand drill

5. Procedure

1. Remove sensor from car. It is held in place using one 5mm Allen head key
2. Using a 15/64" or 6mm drill bit, drill out brass insert from back side of sensor.

Note: It is recommended that a drill press is used to ensure the hole is drilled parallel to the pulley axis

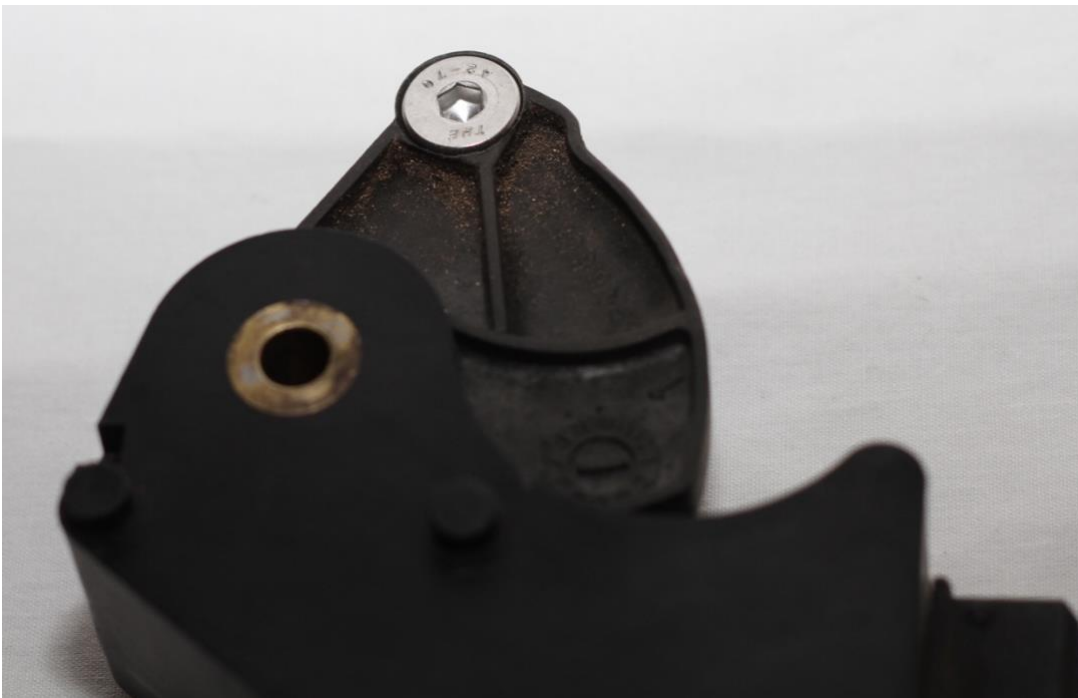


3. Flip sensor over; original wheel will now no longer be attached to sensor. If necessary, use a file to clean up any burrs left on pulley side of sensor
4. Using a 90 degree countersink bit, countersink the back side of sensor body deep enough such that the supplied flat head screw sits flush



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5. Install pulley onto bolt and secure using supplied locknut. The pulley can be installed in either orientation.

Note: Use of blue Loctite is also recommended to help prevent the nut from backing off



6. Check that pulley sits flush with sensor body and spins without binding. The bearing is sealed and thus will not spin for an extended time, this is normal.

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7. **Optional:** Remove three hex screws and open sensor to give the microswitch and spring mechanism a cleaning prior to installing back into car. An electronics safe cleaner such as SensorKleen, Tek Wash, or CRC Electronic Cleaner are recommended



8. Install back into car and enjoy!

End of Procedure