

## ICP Sensor Adaptor kit for the V900080 system.

This kit has been produced to eliminate the need for the ICP sensor banjo fitting in the event of leakage due to interference or inappropriate sealing surfaces.

### **Kit contents:**

<b>A700154</b>	<b>Part #</b>	<b>Qty</b>	<b>Description</b>
	1400292	3	Spacer
	1500609	3	Stud
	1610331	1	Belt, K060915
	1900884	1	Installation Instructions
	1560508	3	Nut, w/dbl Ser Washer, M8 X 1.25
	1400296	2	Spacer
	1400300	1	Spacer
	1510179	1	Bolt, HHCS NC G8 PL, 1/4 X 1 1/2
	1520116	2	BOLT, HHCS G10.9, M10 X 1.5 X 100
	1570048	2	Washer, alloy PL SAE, 7/16

### Installation Instructions

#### **Removal of installed components.**

1. Remove VR drive belt.
2. Ensure system is not pressurized. Remove discharge, oil return, scavenge and pressure control lines from the compressor/ inlet valve assembly. Cover hose ends so no oil can drain or debris can enter the system. Oil will be present in the compressor.
3. Remove compressor assembly from the main bracket.
4. Remove the existing studs from the compressor.
5. Remove the ICP banjo fitting and copper washer from the passenger side valve cover.
6. Remove the ICP sensor from the banjo fitting, check the O-ring for damage. Replace if required. Ford part # 3C3Z9N693BA
7. Check the rubber sealing grommet for tearing. Replace if required. Ford part # W301385.

#### **Installation of retrofit components**

8. Install the ICP sensor back in to its stock location. Torque to 9 ft-lbs. Connect all wiring
9. Install the 3 x 1500609 studs into the base of the compressor, ensure studs are installed with Loctite 242 blue thread locker.
10. Install the 3 x 1400292 spacers onto the studs using Loctite 242 blue thread locker, ensuring they are tight up against the bottom of the compressor. Torque to 19 ft-lbs
11. Install the modified compressor assembly onto the main bracket. Check for clearance between the spacers and bracket and between compressor and ICP sensor wiring.
12. Install the new M8 nuts onto the studs using Loctite 242 blue thread locker. Torque to 19ft-lbs.
13. Remove all hose sealing protection installed to prevent debris entering the system and reconnect all hoses.
14. Install the 1400296 spacers between the alternator and the brace bracket. Apply Loctite blue, 242 to the bolt threads and secure the brace bracket to the alternator mount with the 2x 1520116 bolts and 1570048 washers.
15. Install the 1400300 spacer between the brace bracket and the heater return hose. Secure in place with the 1510179 bolt.
16. Install the new belt (1610331).
17. Inspect system to ensure that all hoses are free of moving/ hot parts and that the belt is installed correctly in accordance with the previous routing detailed in the V900080 installation manual.
18. Run the system to check alignment.