



HIGH PRESSURE FUEL PUMP REMOVER/ INSTALLER - FORD 2.0D ECOBLUE

MODEL NO: **VSE6541.V3**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instructions



Wear eye
protection

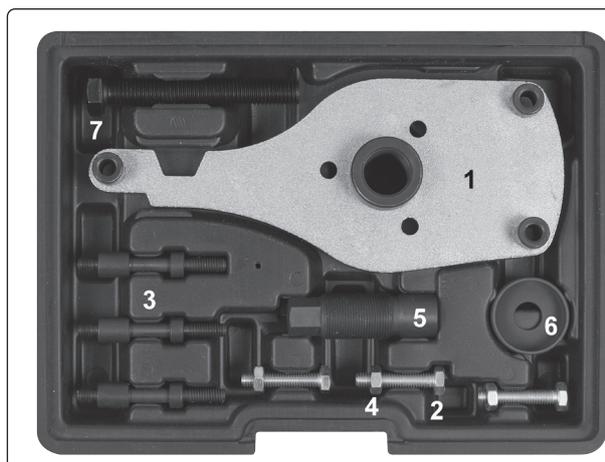
1. SAFETY

- ❑ **WARNING!** Wear approved eye protection. Wear appropriate Personal Protective Equipment. A full range of Personal Protective Equipment is available from your Sealey Stockist.
 - ❑ **WARNING!** Ensure that Health & Safety, Local Authority Regulations and general workshop practice Regulations are adhered to when using tools.
 - ✖ **DO NOT** use tools if damaged.
 - ✓ Maintain tools to ensure that they are in an adequate condition for safe use and optimum performance.
 - ✓ Ensure that a vehicle that has been raised by a jack is adequately supported. Use axle stands.
 - ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery. Tie back long hair.
 - ✓ Account for all tools, parts and components being used. **DO NOT** leave these in or near the engine. Return tools to suitable storage after use.
- IMPORTANT!** These Instructions are provided as a guide only. Always refer to the vehicle manufacturers' service instructions or a proprietary manual to establish the correct procedure and data.
- ❑ **WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations. The operator / user must apply caution and common sense (good practical sense).
 - ✓ When timing an engine, always prevent the engine from being turned over. Use a notice and/or inhibit the engine.
 - ❑ **WARNING!** Incorrect or out of phase camshaft timing can result in contact between the valve head and the piston crown. This will cause damage to the engine.

2. INTRODUCTION

Essential tool for removing/installing the high pressure fuel pump. Time saving tool as the fuel pump drive gear retains its timed position when pump is removed. Supplied in a storage case with full instructions.

3. CONTENTS



Item	Part Number	Description
1	VSE6541.V3- 01	Fuel Pump Removal/Installation Plate
2	VSE6541.V3-02	Plate Bolts 6mm x 30mm (3)
3	VSE6541.V3-03	Stepped Bolts (3)
4	VSE6541.V3-04	Nuts 6mm (3)
5	VSE6541.V3-05	Forcing Screw
6	VSE6541.V3-06	Cover
7	VSE6541.V3-07	Installation Bolt
Associated tools		VSE5640, VSE6542, VS6245
OEM Tool(s):		303-1635

4. APPLICATIONS

MAKE	MODEL
Ford:	Edge (20-21) Ranger (19-25) Transit (17-24) Tourneo Custom (16-23) Transit Custom (16-23)

ENGINE CODE(S):	
2.0D EcoBlue:	BC2X, BCCA, BCCB, BCFA, BCFB, BCFC, BCFD, BCRA, BJFA, BJFB, BKFA, BKFB, BKFC, BKFD, BJRA, BKRA, BLFA, BLFB, BLHA, BLRA, BLRB, YL2X, YLFA, YLFB, YLFS, YLF6, YLRA, YMFS, YMF6, YMFA, YMFB, YMHA, YMR6, YMRA, YNF6, YN2X, YNFA, YNFB, YNFS, YNRA, YLR6, YNR6

5. OPERATION

5.1. This kit has been designed for the removal and replacement of the high pressure fuel pump from the drive gear for the applications listed. The gear will be maintained in its correctly timed position so that no adjustments to the timing are required when the pump is refitted.

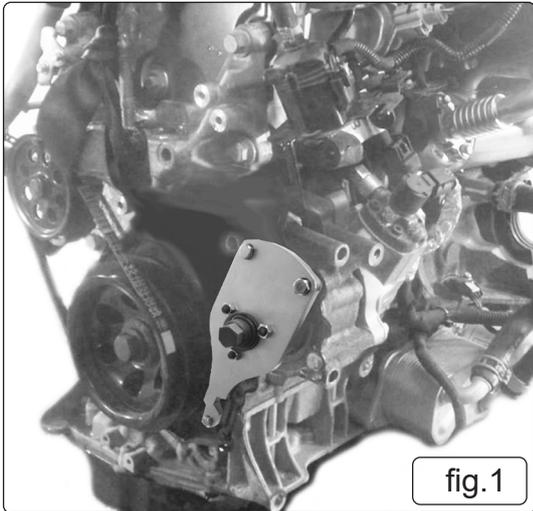
NOTE: The forcing screw threads must be kept clean and lubricated with a high quality grease.

5.2. REMOVAL

5.2.1. Remove the inspection cover from the timing cover and remove the fixing bolt from the injection pump drive gear.

5.2.2. Fit the short end of the VSE6541.03 Stepped Bolts into the pump drive gear, fit the VSE6541.01 Fuel Pump Removal/Installation Plate and secure the Pump Plate to the cylinder block using the bolts provided. Secure the Pump Plate to the stepped bolts using the nuts provided.

5.2.3. After disconnecting the high pressure fuel pump connections, insert the lubricated VSE6541.05 Forcing Screw into the Pump Plate and turn in a clockwise direction to push the fuel pump out of the drive gear. (fig.1)



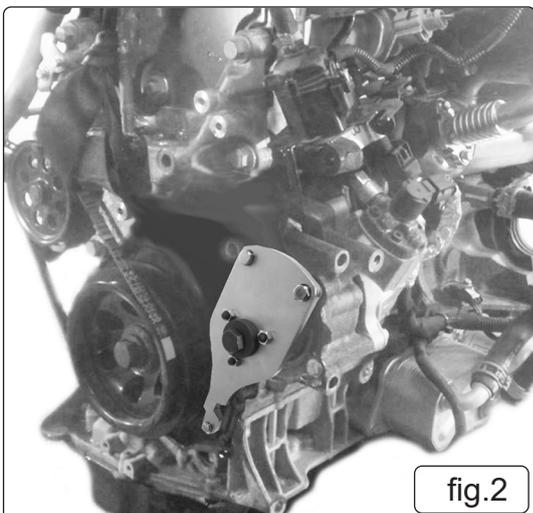
5.3. INSTALLATION

5.3.1. Remove the Force Screw and fit the high pressure fuel pump into position.

5.3.2. Slide the VSE6541.07 Installation Bolt through the VSE6541.06 Cover and Pump Plate and screw into the high pressure fuel pump.

NOTE: Apply a small amount of high quality grease to the VSE6541.06 Cover outer face.

5.3.3. Turn the Installation Bolt in a clockwise direction to pull the injection pump into the drive gear and back into position. (fig.2)



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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