



KL-0680-80 EA

Injector Extractor Ford EcoBlue 2.0



Product information EN
⚠ Read and understand before use!

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Product description

KL-0680-80 EA - Injector extractor Ford EcoBlue 2.0, in foam insert

Fits Ford 2.0 EcoBlue diesel engines. Installed for example in Ford Transit (from 2014) and Transit Custom (from 2012), etc.

Alternative tools: Ford 303-1690/1 + 303-1690/2 and 303-1690

For quick and professional extraction of stuck injectors directly on the vehicle, without dismantling the cylinder head.

Recommended accessories:

KL-0369-59 - Extractor for sealing ring (**Alternative tool:** Ford 303-1690/3)

EN



Scope of delivery/component overview

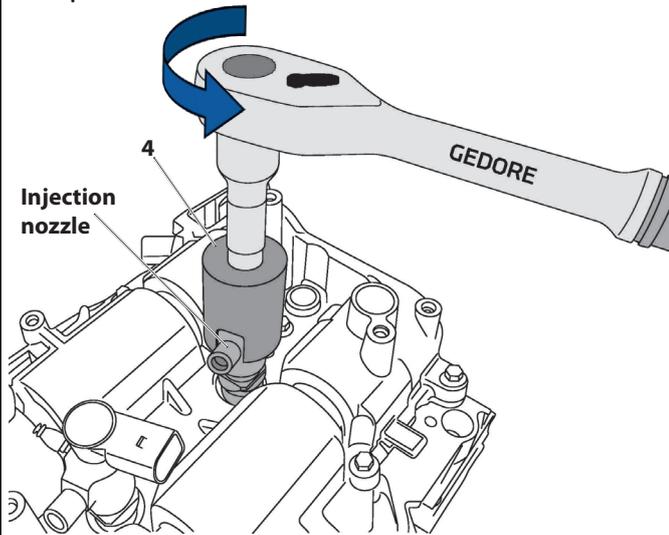
Item	Part no.	Description	Qty.
1	KL-1383-1112	Collar nut M16x1.5	1
2	KL-0680-8002 A	Pulling spindle M17x0.75 x 200mm	1
3	KL-0680-800	Support sleeve with bearing	1
4	KL-0680-8011 A	Nozzle extractor	1
-	KL-0680-8090-1	Foam insert	1

Storage system: Plastic case - KL-4990-9224

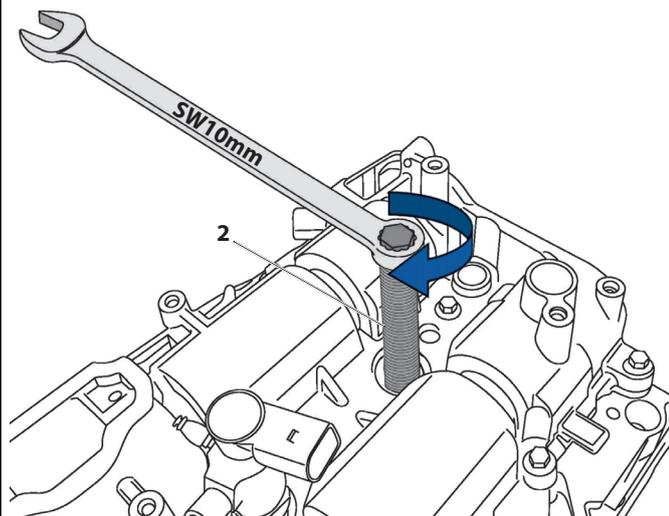
⚠ Safety instructions and regulations

- **Before using** the special tools, read and understand all safety instructions and **follow** them for **safe use**!
- Use the special tools **as intended** and **always** carry out maintenance and repair work in compliance with the regulations on occupational safety and accident prevention as well as the vehicle manufacturer's instructions!
- **Prior to each use**, check the special tools **carefully** for damage, loose parts or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- **Always** wear your personal protective equipment (for example safety goggles, protective gloves, safety shoes) when working!

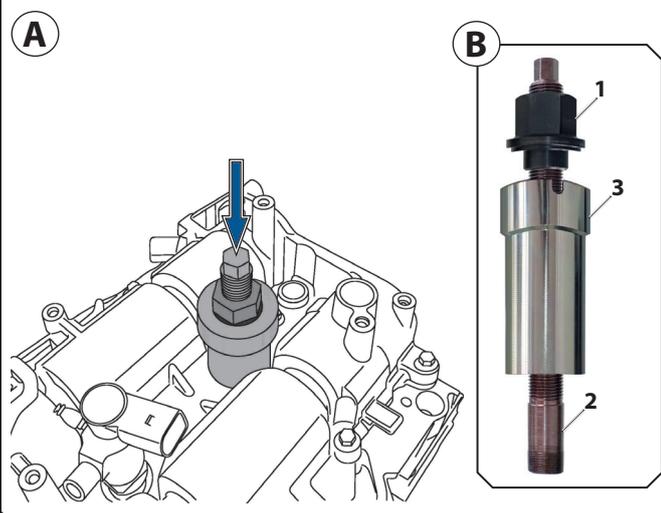
📷 1: Unscrew the upper part of the injection nozzle using the nozzle extractor [4]



📷 2: Screw the pulling spindle [2] into the injection nozzle.



📷 3: Place the support sleeve [3] on the pulling spindle [2] and screw on the collar nut [1]



Typical application

This application example describes the removal of a stuck injection nozzle directly on the vehicle without dismantling the cylinder head.

1. Remove or loosen all necessary parts as specified by the manufacturer. (For example high pressure line, cable plug connection)

2. Unscrew the upper part of the injection nozzle as shown in 📷 1 using the nozzle extractor [4] in conjunction with a 1/2" ratchet in anti-clockwise direction and remove it.

CAUTION

The pulling spindle [2] can be damaged.

✔ Lubricate the pulling spindle [2] with molybdenum disulphide paste **KL-0014-0030**.

✔ Screw the pulling spindle [2] into the injection nozzle.

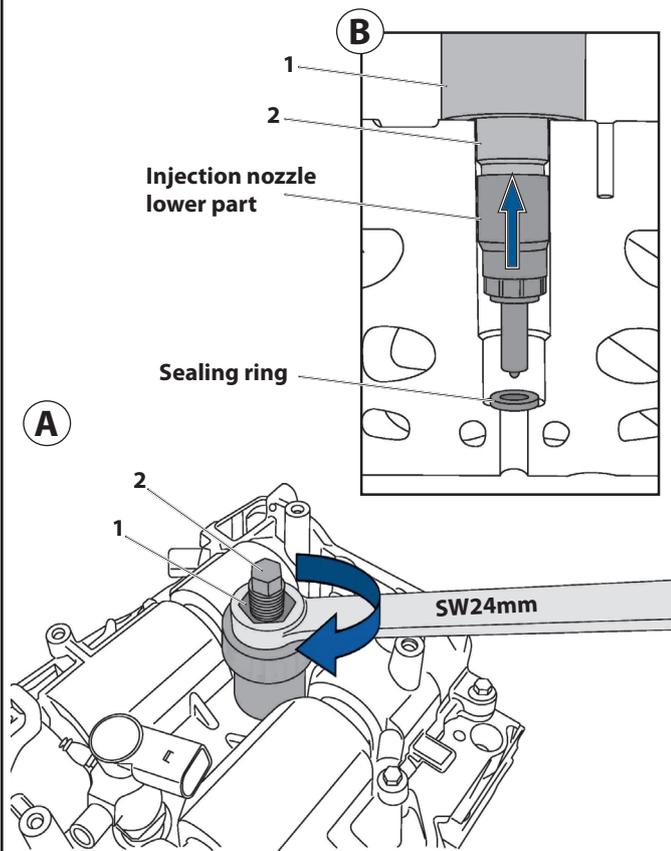
3. Screw the pulling spindle [2] clockwise into the lower part of the injection nozzle on the cylinder head 📷 2.

4. Assemble and prepare the nozzle extractor accordingly.

📷 3A.

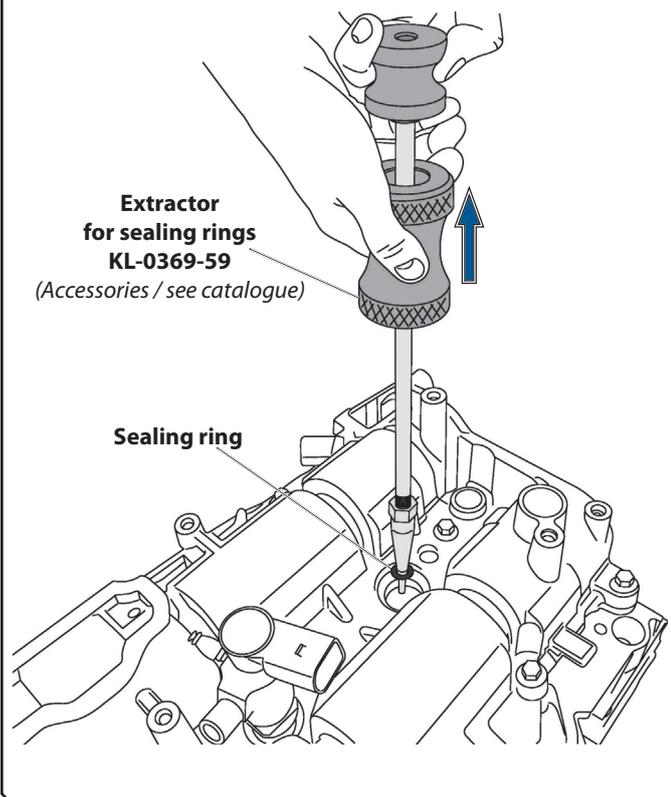
To do this, place the support sleeve in the [3] **correct position** on the traction spindle [2] as shown in 📷 3B; afterwards, screw on the collar nut [1].

📷4: Pull out the injection nozzle by turning the collar nut "1".



Accessories

📷5: Pull out the sealing ring for the injection nozzle e.g. using the extractor for sealing rings **KL-0369-59**.



CAUTION

The pulling spindle [2] can be damaged.

- ✔ Lubricate the pulling spindle [2] with molybdenum disulphide paste **KL-0014-0030**.
- ✔ Counteract the pulling spindle [2] when turning the collar nut [1].

5. Pull out the injector **📷4B**. For this purpose, turn the collar nut [1] clockwise and counterhold the pulling spindle [2] via the hexagon. **📷4A**



Expert's tip:

If the injection nozzle is extremely stuck, first treat it with rust solvent; then subject it to tension for a while using the nozzle extractor. Alternately relieving and re-applying tension should release the injection nozzle.

6. The injection nozzle's sealing ring, which is still in the cylinder head **📷4B**, can be pulled out using the sealing ring extractor **KL-0369-59** (accessories / see catalogue). **📷5**