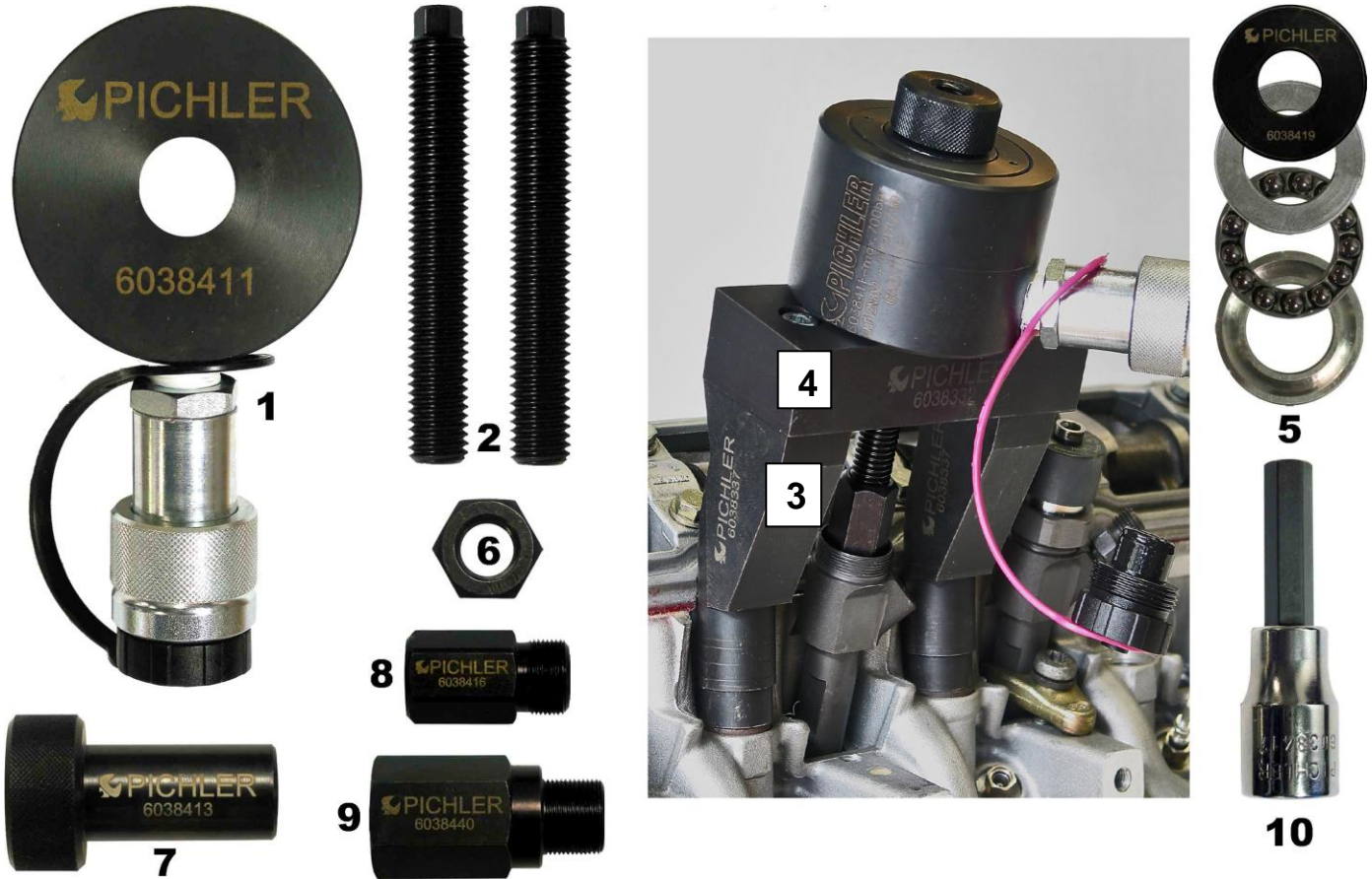


Work Instructions for injector extraction kit for Renault engine F9Q 1.9l, 13 pieces

P/n. 6038335



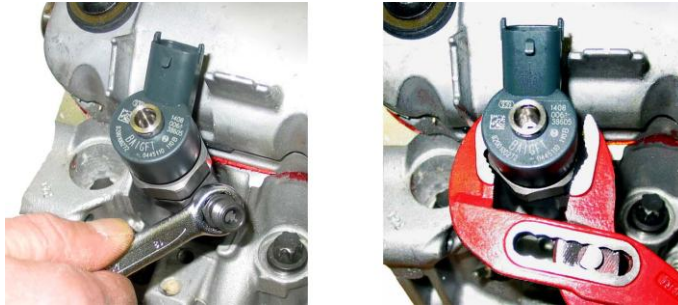
| Nr.: | P/N | Description | Pieces |
|------|----------------|---|--------|
| | 6038336 | Injector extraction kit for Renault engine F9Q 1.9l, 13 pieces | |
| | | Consists of; | |
| 1 | 6038411 | Open Core Hydraulic Cylinder (custom made) | 1 |
| 2 | 6038414 | M14 Extraction Spindle | 2 |
| 3 | 6038337 | Bridge Support Legs New modification | 2 |
| 4 | 6038332 | Extraction Bridge | 1 |
| 5 | 6038419 | Bearing Adaptor With Bearing | 1 |
| 6 | 6038418 | M14 Hexagon Nut | 1 |
| 7 | 6038413 | Knurled Adaptor | 1 |
| 8 | 6038416 | Adapter M17x1:M14 | 1 |
| 9 | 6038440 | Adapter M17x1 : M18x1,5 | 1 |
| 10 | 6038417 | Special allen key 10mm with hole | 1 |

| P/N | Description |
|----------------|---|
| 6038340 | Extraction Kit Mechanical 10-pcs. For Renault 1,9l consists of : Nr. 2, 3, 4, 5, 6, 8, 9 & 10 |
| 6038338 | Supplement Kit „RE“ to Kit p/n: 6038395 or p/n: 6038400, 3-Pcs. consists of nr. 3 & 4 |
| 8025550 | Hydraulic Kit consists of; hand pump, hose and ball valve |

Work Instructions for Injector extraction kit for Renault engine F9Q 1.9l, 12 pieces

P/n: 6038336

1. Clear the valve cover round the injector of dirt and smut. Remove the fuel connector. Unscrew the magnetic valve. Be careful not to lose any parts!



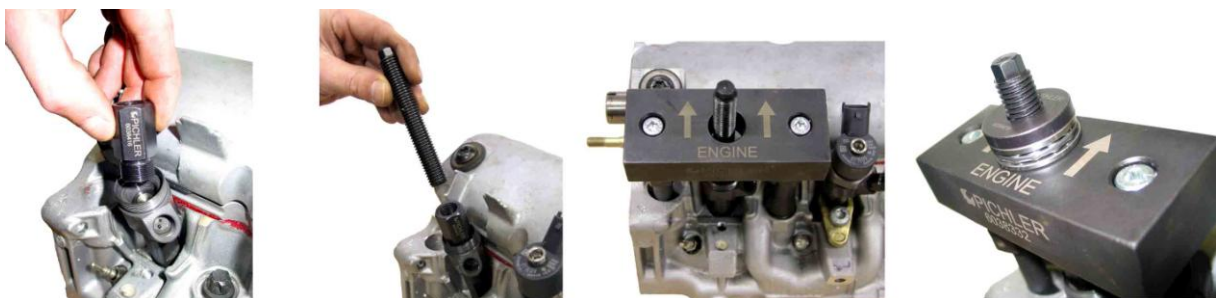
2. Push the "three leaf" down with a screwdriver, remove the locking ring. And remove all detached parts.



3. Unscrew with the Special Allen Key 10mm (p/n 6038417) the nut and remove all detached parts. tip; use a magnet.

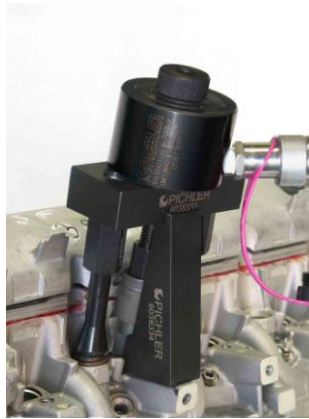


4. Screw in and tighten the Adapter M17x1:M14 (p/n 6038416), screw in the Spindle (p/n 6038414). Mount the Support Legs (p/n 6038333) into Bridge (p/n 6038332) and place the assembly over the Spindle and place the Bearing Adapter With Bearing (p/n 6038419).



Attention; the arrows on the bridge have to point towards the engine!

It can happen, with some extremely frozen injectors that the extraction assembly start to tilt forwards (away from the camshaft). In order to prevent the injector from breaking, the support (p/n 6038434) has to be used.



Mechanical extraction of the injector

5. Screw the Nut (p/n 6038418) on the Spindle and extract the injector with appropriate tools.



CAUTION! During extraction it is most important to prevent the Spindle from turning – Be sure to use a wrench on the hex to prevent rotation!

Hydraulic extraction of the injector

6. Place the Open Core Hydraulic Cylinder (p/n: 6038411) over the Spindle. Screw the Knurled Adapter (p/n 6038413) onto the Spindle. Connect the Cylinder to a hand pump (for example from kit p/n 8025550) and, by pumping, relieving the pressure and tightening the Knurled Adapter, extract the injector. Do not apply to much



pressure, the open core cylinder only rises about 5mm as shown in the picture above.