

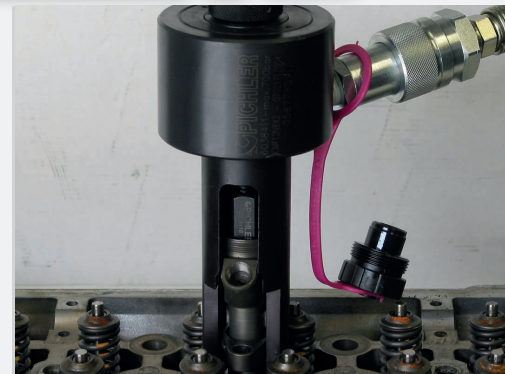
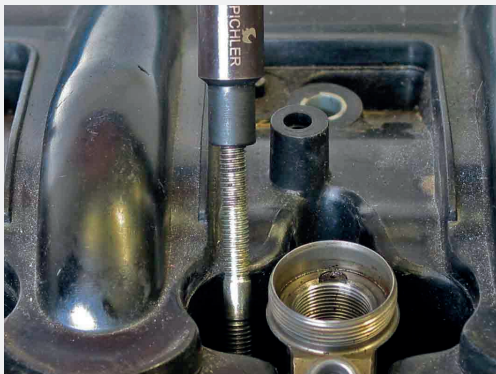
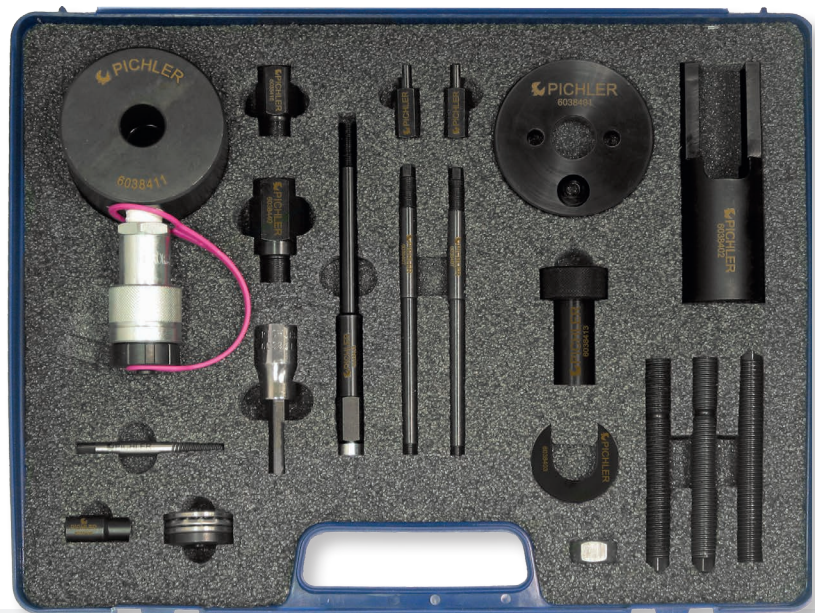


Manual

Injector extractor set

Renault 2,2l and 2,5l dCi engine G9T und G9U

6038395



Injector extractor set for the Renault 2,2l and 2,5l dCi engine G9T und G9U

P/n. 6038395



Nr.	P/n.	Description	6038395	6038380*	6038385*	6038390*
1	6038411	Hydraulic Open Core Cylinder 12 tons	1		1	
2	6038401	Holder Plate	1	1		1
3	6038404	Extraction Spindle M 14 With Predetermined Breaking point	2	2		2
4	6038414	Extraction Spindle M14 without nut	1		1	
5	6038402	Extraction Sleeve	1		1	1
6	6038405	Screw Extractor	1	1		1
7	6038403	Support Plate U-shape	1		1	1
8	6038418	Hexagon Nut M14	1	1		
9	60384190	Bearing Adapter With Bearing	1	1		
10	6038417	Special Allen Key 10mm With Hole	1	1		
11	6038408	Height Adapter For The Legs	2	2		2
12	6038407	Support Leg	2	2		2
13	6038413	Knurled Adapter	1		1	
14	6038440	Adapter M17 x 1: M18 x 1,5	1	1		
15	6038409	Support Leg For Glow Plug Hole	1	1		1
16	6038416	Adapter M17x1:M14	1	1		
17	6038406	Stud remover	1	1		1

*: P/n. 6038380
P/n. 6038385
P/n. 6038390

Extractor set RENAULT 15 pieces for mech. operation
Extractor set RENAULT 5 pieces hydraulic parts
Extractor set RENAULT 12 pieces complementary set to MB-set

Work Instructions for Injector extractor set for the Renault 2,2l and 2,5l dCi engine G9T und G9U

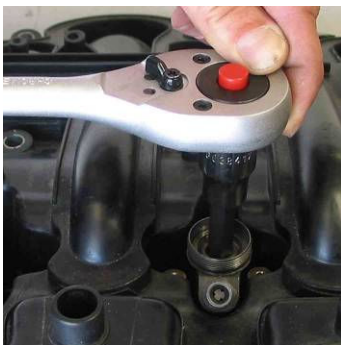
1. Clean the valve cover round the injector of soot and deposits.
2. Remove the electro magnetic valve. Beware not to lose any parts during the disassembly!



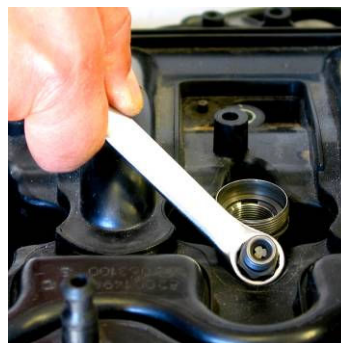
3. Push the "three leaf" down with a screwdriver, remove the locking ring. And remove all detached parts.



4. Unscrew with the Special Allen Key (p/n 6038417) the nut and remove all detached parts. Tip; use a magnet.



5. Remove the diesel connector and seal.



There are 2 different kinds of the attachment of the injectors; stud bolts with spacers and female hexagon nuts profile 4, or Torx screws. With the Torx screws only remove the screws!

6. In the case that stud bolts with spacers are used, remove the nut with a size 4 Allen key first. Then unscrew the stud bolts with a screwdriver. If the slot breaks, remove the stud bolts with the Stud Remover (p/n 6038406). If the spacers don't come out at the same time as the stud bolts, then remove them using the Screw Extractor (p/n 6038405).



7. Remove the glow plug.



8. Screw in the Adapter (p/n 6038416) and tighten it with a 19mm box spanner.



9. Screw in the Support Leg (p/n 6038407) through the holder bracket of the injector and tighten them with a 7mm spanner. **Take care that they are screwed in completely!!**



10. Screw the Height Adapters (p/n 6038408) for the Holder Plate completely onto the Support Legs. Screw the Support Leg (p/n 6038409) into the glow plug thread.



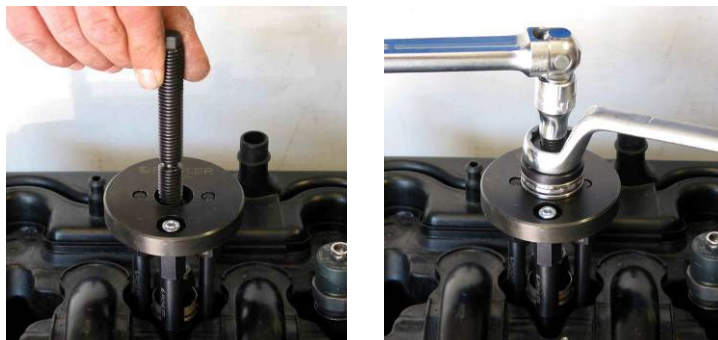
11. Place the holder plate (p/n 6038401) on the Support Legs and adjust the height of the Support Legs by turning the Adapters (p/n 6038408 and Support Leg (p/n 6038409) up till the Plate is supported evenly by all three Legs and the Plate lays level to the cylinder head!



12. Stop Support Leg (p/n 6038409) with a 14mm spanner and screw in the allen screw.



13. Screw in Spindle with dedicated breaking point (p/n 6038404), place Bearing and Bearing Adapter (p/n 60384190), screw on the Hexagon Nut (p/n 6038418), stop the Spindle with an appropriate tool 10 and extract the injector by turning the nut with a ring spanner 22.



14. In the case of hydraulic use replace the Bearing, Adapter and Nut with the Hydraulic Open Core Cylinder (p/n 6038411). Place onto the Holder Plate and screw the Knurled Adapter (p/n 6038413) on the Spindle (p/n 6038404). Connect hose and pump. At this stage take it slowly and do not force the hand pump, only allow the open core cylinder to rise by 8 mm then release, tighten the knurled adaptor and start again until the injector can be removed easily.



15. With extremely frozen injectors instead of the Support Legs and Holder Plate, Extraction Sleeve (p/n 6038402) is used. Spindle With Dedicated Breaking Point (p/n 6038404) must be replaced by Spindle (p/n 6038414). **Important!** Extraction Sleeve (p/n 6038402) must placed with the long slit over the diesel line connector. Because of the great pressure applied by the Open Core Cylinder **the valve cover will be destroyed**.



16. Apply pressure till the holder bracket breaks! Continue pumping, relieving the pressure and tightening the Adapter until the injector can be removed easily.

17. Should the bracket break, destroy the valve cover so the bracket can be lifted and turned 90°.

18. Place the U-shaped Support Plate (p/n 6038403) on the cylinder head and place the Extraction Sleeve (p/n 6038402) with the long slit over the diesel line connector.



19. Afterwards by again pumping, relieving the pressure and tightening the Adapter extract the injector until it can be removed easily.



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