



Dismounting Injectors Kit For All Fiat Multi-Jet Engines

User's manual

007935063450



Magneti Marelli Aftermarket Spółka z.o.o.

Plac Pod Lipami 5, 40-476 Katowice

Tel.: + 48 (032) 6036107, Faks: + 48 (032) 603-61-08

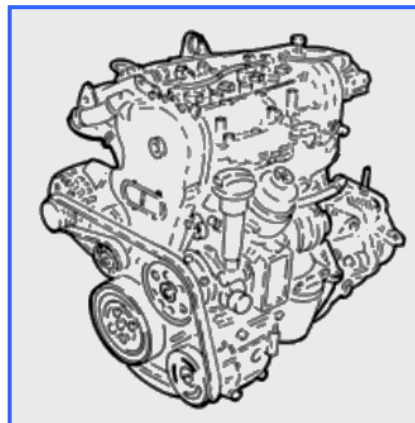
e-mail: checkstar@magnetimarelli.com

www.magnetimarelli-checkstar.pl



Extractor to remove Bosch injectors

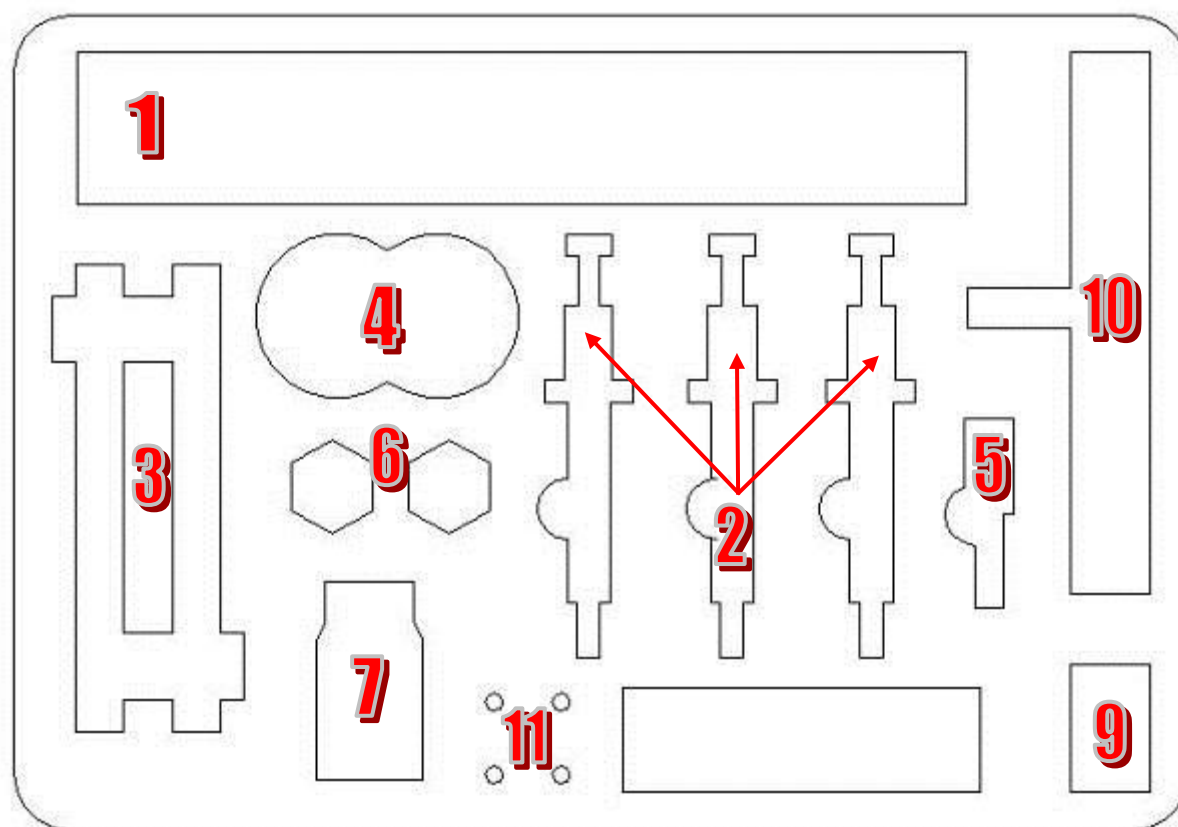
**Assembled on 1.3 –
1.6 - 1.9 2.0 – 2.3 – 3.0
MultiJet Diesel**



Application

Brand	FIAT	LANCIA	ALFA ROMEO	OPEL	SUZUKI
Engine	1.3 Multijet 16v 1.6 Multijet 16v 1.9 Multijet 16v 2.0 Multijet 16v 2.3 Multijet 3.0 Multijet	1.3 Multijet 16v 1.6 Multijet 16v 1.9 Multijet 16v 2.0 Multijet 16v	1.3 multijet 16v 1.6 Multijet 16v 1.9 Multijet 16v 2.0 Multijet 16v	1.3 CDTI 1.9 CDTI 2.0 CDTI	1.3 DDiS 16v 1.9 DDiS 16v
Model	<ul style="list-style-type: none"> ➤ 500 ➤ Punto ➤ Grande Punto ➤ Panda ➤ Idea ➤ Doblò ➤ Stilo ➤ Qubo ➤ Bravo ➤ Sedici ➤ Croma ➤ Ducato 	<ul style="list-style-type: none"> ➤ Ypsilon ➤ Musa ➤ Delta 	<ul style="list-style-type: none"> ➤ MiTO ➤ 147 ➤ 159 ➤ BRERA 	<ul style="list-style-type: none"> ➤ Corsa (C – D) ➤ Agila (B) ➤ Meriva ➤ Astra (H) ➤ Astra GTC ➤ Tigra (B) ➤ Combo Tour ➤ Vectra (C) ➤ Insignia ➤ Zafira (B) ➤ Vivaro ➤ Movano 	<ul style="list-style-type: none"> ➤ Ignis ➤ Splash ➤ Swift ➤ Wagon R+ ➤ Sx4 ➤ Grand Vitara

Components:



Ref.	Code	Description
1	311083005	Body of the cross member to remove injectors
2	311083001	Bearing foot with fixing nut (N°3 pc.)
3	311070017 - 311070018	Screw M18 X 1.5 injector removal (N°2 pc) + Ring nut M27 X 1 to lock the injector (N°2 pc)
4	311083004	Supporting washer with bearing
5	311026014	Hexagon wrench 10mm to remove the electrode of the injector
6	311070006	Nut M18 X 1.5 CH36 (N°2 pc) + Washers Ø 32mm
7	720019000	29 mm Socket to extract the electrical connection
8	311093001	Supporting feet for the cross member with eccentric hole (N°4 pc)
9	311070016	Fixing plate for the bearing foot (N°5 pc)
10	311093002 – 311093003 - 822014000	Beam to support the cross member + pin to fix the cross member + screw TCCE 8X16 (N°2 pc)
11	822009000	Screw TCCE 8X45 (N°4 pc)

REMOVAL OF INJECTORS –1.3 MultiJet ENGINES

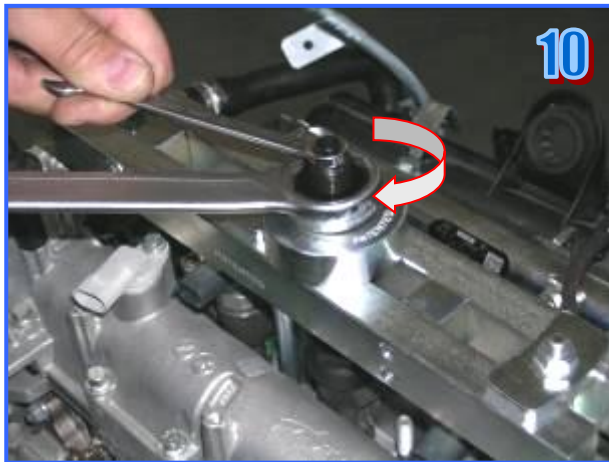
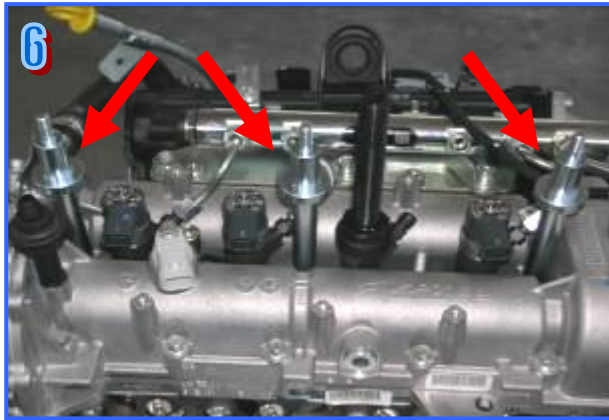
N.B.: Disassemble the injectors of Fiat 1.3 Multijet engines in pairs, as follows: the injectors on the 1st and 2nd cylinder together, the injectors on the 3rd and 4th cylinder together.

1. Remove the electrical connection on the head of the injector using the bush on issue (ref. 7) (fig.1);



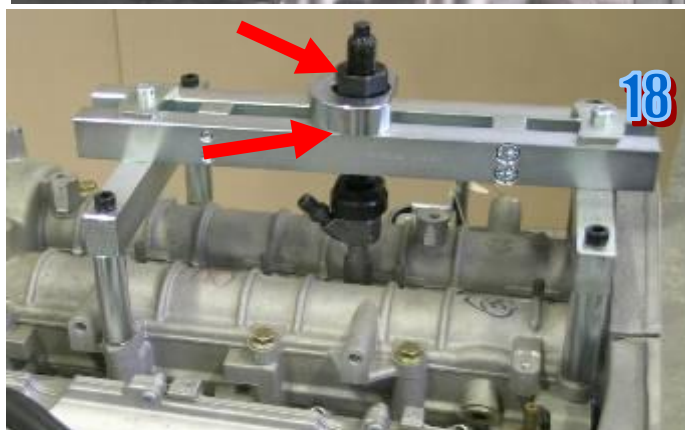
2. Remove the solenoid inside the injector using the 10mm hexagonal wrench on issue (ref. 5) (fig.2);

3. Tighten the screw M18 X 1.5 (ref. 3) inside the injector along the whole length of the thread (fig.3), then screw the ring nut M27X1 (ref.3) on the injector, making sure it reaches the stop on the screw (fig. 4);



4. Remove the three screws which fix the cover of the tappet to the head, using a 10mm key (fig. 5);
5. Introduce into the three holes the bearing feet for the cross member (ref. 2) (fig. 6);
6. Rest the cross member (ref. 1) on the three feet which have been previously assembled (fig. 7):
7. Fix the cross member to the feet with three plaques on issue (ref. 9) (fig. 8);
8. Introduce on the screw M18X1.5 the washer with internal bearing (ref. 4) and fix it with the nut M18 X 1.5 (ref. 6) (fig. 9);
9. Remove the injector using a 30 wrench on the nut M18 keeping the screw M18 still with a 10 wrench (fig. 10);
10. After removing the injector, remove the screw and ring nut and disassemble the other injectors (fig. 11) following the same procedure.

REMOVAL OF INJECTORS –1.6 – 1.9 – 2.0 – 2.3 – 3.0 MultiJet ENGINES



1. Follow the previous instructions from point 1 to point 3 for the fastening of the screw on the injector (fig. 12 – 13 – 14 - 15);
2. Introduce into the support for the fastening of the tappet cover, the supports for the cross member (fig. 17): these supports are obtained assembling the feet with eccentric hole (ref. 8) on the beam (ref. 10) by means of the screws 8x45 (ref. 11);
3. Lean the cross member on the two feet previously assembled (fig. 17);
4. Fix the cross member to the feet by means of the two plaques on issue (ref. 9) (fig. 17);
5. Introduce on the screw M18 X 1.5 the washer with internal bearing (ref. 4) and fix it with the nut M18 X 1.5 (ref. 6) (fig. 18);
6. Remove the injector using a 30 wrench on the nut M18 keeping the screw M18 still with a 10 wrench (fig. 10);
7. After removing the injector, remove the screw and ring nut and disassemble the other injectors (fig. 11) following the same procedure.