

16

new repair parts

500k+

trucks in operation

3m+

Injector production

NEW Euro6 F2P Common Rail Injector repair program

Launch of repair for **Euro6 F2P CR Injectors** fitted to
DAF (PACCAR) Truck applications

Delphi Technologies' F2P system is fitted to DAF/Paccar for their Euro 6 Commercial Vehicle applications sold globally in Europe, Middle East/Africa, Brazil and North America.

The high-pressure Common Rail fuel system (F2P) is designed to meet the latest Euro 6 & US13 emission legislation and is fitted on the MX11 (10.8L) and MX13 (12.9) engines found in DAF CF & XF trucks.



Euro6 F2P CR Injector Repair Applications and repair parts



The **F2P system** from Delphi Technologies is a combination of a Heavy Duty Common Rail, 6 x F2P Smart Injectors and 2 x F2P Pumps per Fuel Injection System.

Injector Part Numbers subject to repair			
BEBJ1D00001	BEBJ1D01001	BEBJ1D01104	BEBJ1D04001
BEBJ1D00002	BEBJ1D01101	BEBJ1D02001	BEBJ1D05001
BEBJ1D00003	BEBJ1D01103	BEBJ1D03001	BEBJ1D05002

The first pack of test plans will be available with the IRIS package update in June, the remaining ones will be released with regular updates. The dedicated repair components for each injector will be fully released along with the specific test plan release.

Repair parts commonly used for the repair of F2P injectors are listed below, please see Direct Evolution (DEVO) for repair parts detail per injector.

F2P Injector Repair Components			
LSN	Description	Quantity	Comments
106	Capnut	1	NEW - See Devo for PN per Injector
118	NCV - Assembly	1	
122	Spring - NCV Return	1	
124	Stator Assembly	1	
128	Spring - Stator Retention	1	
140	Screw	2	
150	Nozzle Capsule Assembly	1	
102	Protection Cap	1	See Devo for PN per Injector
104	Washer	1	
132	Shim	1	
130	Seal	1	
136	Seal	1	
138	Header - Assembly	1	

Euro6 F2P CR Injector Repair Applications and repair parts



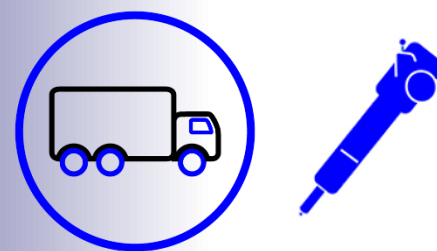
The repair parts program includes the following new key components for the repair of above injectors - refer to DEVO for part number level detail illustrating which components are to be used for specific injector repairs.

New F2P repair parts have been allocated a new franchise access code of 'DEV'. In order for only the Delphi Authorized Repair Network to have access to these parts, a new test bench **Cri-Pro** and **Delphi Repair Tooling** are required before access is granted. This ensures only workshops with the correct level of capability can access the relevant repair parts.

Repair Components- New Release

LSN	Repair Parts	Description	Franchise Access Code
118	7206-0936	Nozzle Control Valve	DEV
118	7206-1006	Nozzle Control Valve	DEV
118	7206-1010	Nozzle Control Valve	DEV
150	28425042	Nozzle Capsule Assembly	DEV
150	28503844	Nozzle Capsule Assembly	DEV
150	28425043	Nozzle Capsule Assembly	DEV
150	28429899	Nozzle Capsule Assembly	DEV
150	28503772	Nozzle Capsule Assembly	DEV
150	28542393	Nozzle Capsule Assembly	DEV
106	7209-0328	Capnut	DEV
106	7209-0329	Capnut	DEV
124	7209-0256	Stator Assembly	DEV
124	7209-0374	Stator Assembly	DEV
128	7209-0254	Spring – Stator Retention	DEV
122	7206-0905	Spring	DEV
140	7200-0292	Screw	DEV

Euro6 F2P CR Injector Repair Tooling & Test



Tooling

YDT764 and **YDT847 (NEW)** are required for the repair of related F2P injectors. The use of this tooling is mandatory for the Delphi Authorized Repair Network. The development and use of this range of dedicated tools YDT847 (01-2021 -->) preserve the integrity of the mechanical and electrical components of DFI5 injectors. This kit comes in addition to the previous kit YDT764 (Smart injector Euro5).

Repair tooling	Part #
Tool kit – SMART repair	YDT764 (superseding to YDT764A)
F2 injectors repair tool kit	YDT847
Shim holder	NTA4965
Alignment rig shim (X2)	NTA4971 (MX13) / NTA4972 (MX11)
Nozzle adaptor	NTA4957
Capnut clamp	NTA4961 (MX13) / YDT929 (MX11)
Injector clamp	NTA4951 (MX13) / NTA4953 (MX11)

Hartridge Test

Authorized tests carried out on the **new Hartridge CRi-Pro** test bench with the **IRIS software** solution will validate the injector operation and performance. **IRIS 2022 CR Injector License (DTQX102C)** has been communicated in March. The software can be accessed from <https://iris.my-delphi.com>. Details of the Hartridge tooling are shown below:

Cri-Pro								
F2P MX11 & MX13 Hartridge Tooling								
Tooling Description	Clamp	Fuel Sleeve	7mm Nosepiece Set	Side Port	Response Time Pressure Sensor	Base Cable	Injector Cable	HP Pipe
Tooling PN	NTA6010	NTA5441 (MX11) NTA5438 (MX13)		NTA5510 & NTA5511	797-4973	AE79/1	AE79/16	AHP5130
Part of Tooling Kit	HK1245	HK1228 (MX11) HK1227 (MX13)	HK1243	HK1223	HJ098			

Associated Documentation

Common Rail Injector - Repair Procedure - Workshop Manual	DTNX106A
Repair - CR HD - F2	DT5410
Common Rail Injector Test - Application Coverage & Parts - Hartridge	HMN263

Euro6 F2P CR Injector Repair Application Detail



Application information

Make	Model	Engine	Rating	Litre	Cyl
DAF	CF400	MX11	396	10.8	6
DAF	CF410	MX13	412	12.9	6
DAF	CF440	MX11	435	10.8	6
DAF	CF460	MX13	462	12.9	6
DAF	CF510	MX13	510	12.9	6
DAF	XF410	MX13	412	12.9	6
DAF	XF440	MX11	435	10.8	6
DAF	XF460	MX13	462	12.9	6
DAF	XF510	MX13	510	12.9	6

