

More information
can be found here

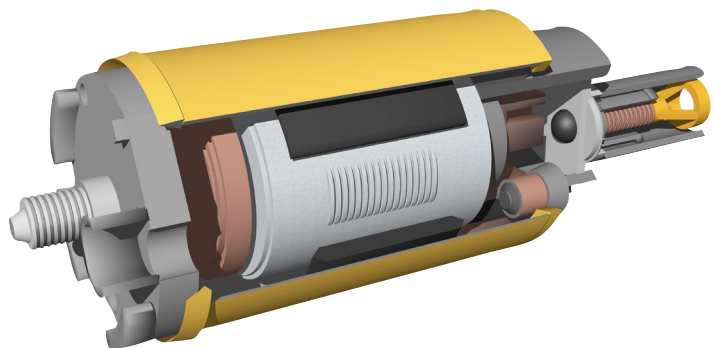
BRIEF INFORMATION

Fuel Feed Unit and component parts

- High quality standards
- Fits to a large scale of applications
- Designed to be easily mounted

FURTHER PRODUCT FEATURES AND FUNCTIONS

- The fuel pump is an integral part of the fuel delivery system of a vehicle
- Supplies the fuel from the fuel tank to the engine
- It is located inside the fuel tank or under the chassis, depending on the application
- Performance: operates at higher speeds and draws less current than older style pumps
- Advantage: each fuel feed unit comes together with the gasket



HELLA GLOSSARY

Full assembly



Fuel Feed Unit

When it comes to fuel pumps and feed modules, customers expect goods of the highest quality. With HELLA, workshops can rest assured that they will meet even the most discerning demands of their customers. Fuel supply systems from HELLA meet the same criteria as original parts and, what is more, they are permanently being developed and upgraded.



Sender Unit, Fuel tank

The three most important parts of the fuel supply unit are the fuel pump itself, the fuel filter and the flange with its appropriate connections. The supply unit often has a lever sensor or it operates in conjunction with an immersion tube sensor. The unit can be fitted with a swirl pot.

Sub-components



Swirl pot, fuel pump

In order to always ensure an optimum fuel supply, even on bends or on uneven roads, HELLA's fuel tanks are equipped with a swirl pot. Thanks to its opening at the bottom, this cup-shaped tank ensures an uninterrupted flow of fuel even when the fill level is low, e.g. on bends.



Fuel pump

An engine is only as reliable as the fuel pump that supplies it with gas. The HELLA fuel pump is part of the fuel supply unit which operates in the tank. It ensures an absolutely reliable fuel supply at all times – and this is the case in a great number of widely differing vehicle makes and models.

TECHNICAL DETAILS

Technical Data	
Operating voltage	12 V
Current I [A]	Between 5 A and 9 A
Delivery quantities (flow rate) Q [l/h]	Between 60 and 250 l/h
Fuel-system pressures P (bar or kPa)	Between 3 to 5 bars (300 to 500 kPa)

GENERAL INFORMATION

What are the most common causes of fuel pump failures?

One of the top causes for fuel pump failure is contamination. This can be caused by dirt and debris entering the system from re-fueling or the use of poor quality fuel. Fuel pump overheating and wear can also cause failure.

Driving frequently on a low fuel tank can accelerate wear on the fuel pump due to debris on the bottom of the fuel tank being disturbed and entering the pump. It is interesting to note that over half of all fuel pump replacements are the result of misdiagnosis.

The complexity of modern vehicles leads to several systems that can disable the vehicle's fuel pump. Systems that one would not normally associate with the fuel system now have the ability to render the fuel pump inactive (e.g. security, drive train, oil / fuel pressure switches, etc.), which can result in a misdiagnosis.

Vehicle symptoms that indicate the fuel pump may need to be replaced?

- Difficult or non-starting
- Extended cranking
- Immediate or intermittent stalling
- Rough idle
- Poor acceleration
- Severe engine lag

RANGE OVERVIEW*

Manufacturer	Product Description	Part Number
ALFA ROMEO	Fuel Feed Unit	8TF 358 106-001
		8TF 358 146-271
	Fuel Pump	8TF 358 146-261
		8TF 358 146-771
		8TF 358 106-041
		8TF 358 106-051
		8TF 358 106-191
		8TF 358 106-211
		8TF 358 106-261
		8TF 358 106-451
AUDI	Fuel Feed Unit	8TF 358 106-431
		8TF 358 106-391
	Fuel Pump	8TF 358 106-401
		8TF 358 146-631
		8TF 358 146-811
		8TF 358 146-641
		8TF 358 106-441
		8TF 358 106-351
		8TF 358 146-801
		8TF 358 146-191
Swirlpot, fuel pump	8TF 358 106-141	
	8TF 358 106-281	
		8TF 358 106-421

* You can get an up-to-date overview of the product range in TecDoc or in your local catalogue.

RANGE OVERVIEW*

Manufacturer	Product Description	Part Number
BMW	Fuel Feed Unit	8TF 358 106-031
		8TF 358 106-241
		8TF 358 146-461
		8TF 358 146-761
		8TF 358 146-451
	Fuel Pump	8TF 358 146-441
		8TF 358 106-591
		8TF 358 106-651
		8TF 358 146-181
		8TF 358 146-341
CHEVROLET	Fuel Feed Unit	8TF 358 146-201
		8TF 358 106-731
	Fuel Pump	8TF 358 106-741
		8TF 358 106-771
		8TF 358 106-021
		8TF 358 106-111
		8TF 358 106-151
		8TF 358 106-171
		8TF 358 106-181
		8TF 358 106-251
CITROËN	Fuel Feed Unit	8TF 358 106-901
		8TF 358 146-541
		8TF 358 146-531
		8TF 358 146-231
		8TF 358 106-941
		8TF 358 106-911
		8TF 358 146-751
		8TF 358 146-941
		8TF 358 146-891
		8TF 358 146-931
DAEWOO	Fuel Feed Unit	8TF 358 146-491
		8TF 358 146-411
	Fuel Pump	8TF 358 146-401
		8TF 358 146-221
		8TF 358 146-551
		8TF 358 106-531
		8TF 358 146-521
		8TF 358 106-931
		8TF 358 106-731
		8TF 358 106-771
FIAT	Fuel Feed Unit	8TF 358 106-001
		8TF 358 106-011
		8TF 358 106-161
		8TF 358 106-301
		8TF 358 146-271
		8TF 358 146-251
		8TF 358 146-871
		8TF 358 146-261
		8TF 358 146-281
		8TF 358 146-231
FORD	Fuel Feed Unit	8TF 358 146-881
		8TF 358 146-891
		8TF 358 146-861
		8TF 358 146-901
		8TF 358 146-401
		8TF 358 146-221
		8TF 358 146-551
		8TF 358 146-581
		8TF 358 146-771
		8TF 358 106-081
LANCIA	Fuel Feed Unit	8TF 358 106-221
		8TF 358 146-281
		8TF 358 146-321
		8TF 358 146-151
		8TF 358 146-141
		8TF 358 146-131
		8TF 358 146-701
		8TF 358 146-171
		8TF 358 146-691
		8TF 358 146-311
LANCIA	Fuel Feed Unit	8TF 358 146-331
		8TF 358 106-551
		8TF 358 146-161
		8TF 358 106-161
		8TF 358 106-301
	Fuel Pump	8TF 358 146-231
		8TF 358 146-221
		8TF 358 146-551
		8TF 358 106-501
		8TF 358 106-501

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