

DARWEN DIESELS LTD

DIESEL FUEL INJECTOR COMPONENTS, TOOLS & EQUIPMENT



COMMON RAIL PARTS CATALOGUE



Who we are

Established in 1970 Darwen Diesels Ltd is now the UK's largest independent supplier of DIESEL FUEL INJECTION spare parts, tools & test equipment.

From our modern warehouse facility in Blackburn, Lancashire we endeavour to provide all our customers with a swift & efficient daily service in Replacement Parts, Information & Technical Support.



What we do

Diesel Injection Components: Current stocks in excess of 20,000 part numbers. Spare parts & complete units, all makes COMMON RAIL, EUI/PDE, DPA, DPC, VE, INLINE, MINIMEC etc.

Original Parts:

- BOSCH
- DELPHI
- DENSO
- SIEMENS
- STANADYNE
- YANMAR
- ZEXEL



Feed Pumps

For most applications covering AC Delco, Yanmar, Bosch & Universal multi fuel Electric Solid State.



Filtration

Filter assemblies with or without primers. Hand Primers, Water Traps, Agglomerators.

Components: Filter tops, Elements, Glass & Aluminium Bases, Blanking plugs, Bleed Screws.



We also build to customer requirements.

With Decades of Diesel Experience



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Common Rail Injectors

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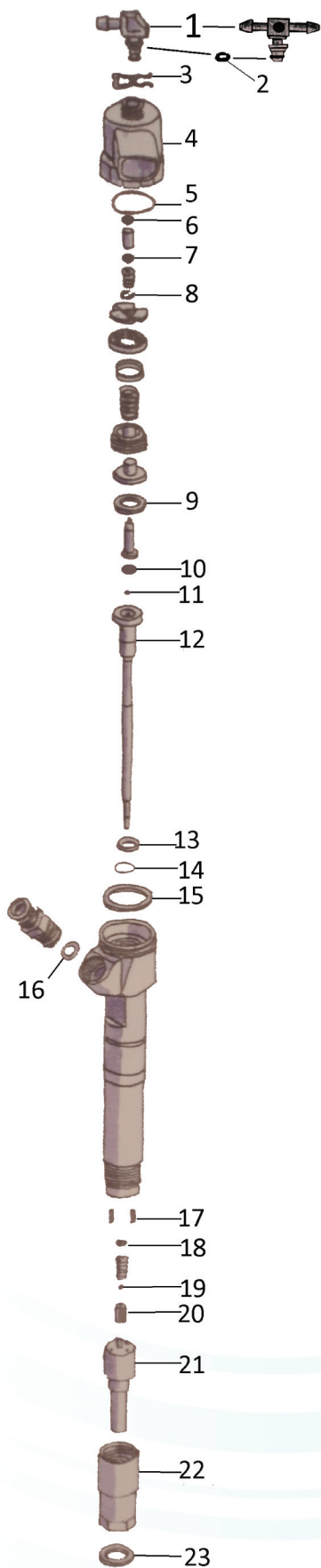
With Decades of Diesel Experience



With Decades of Diesel Experience



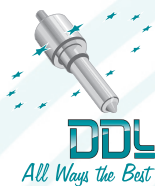
BOSCH SOLENOID INJECTOR



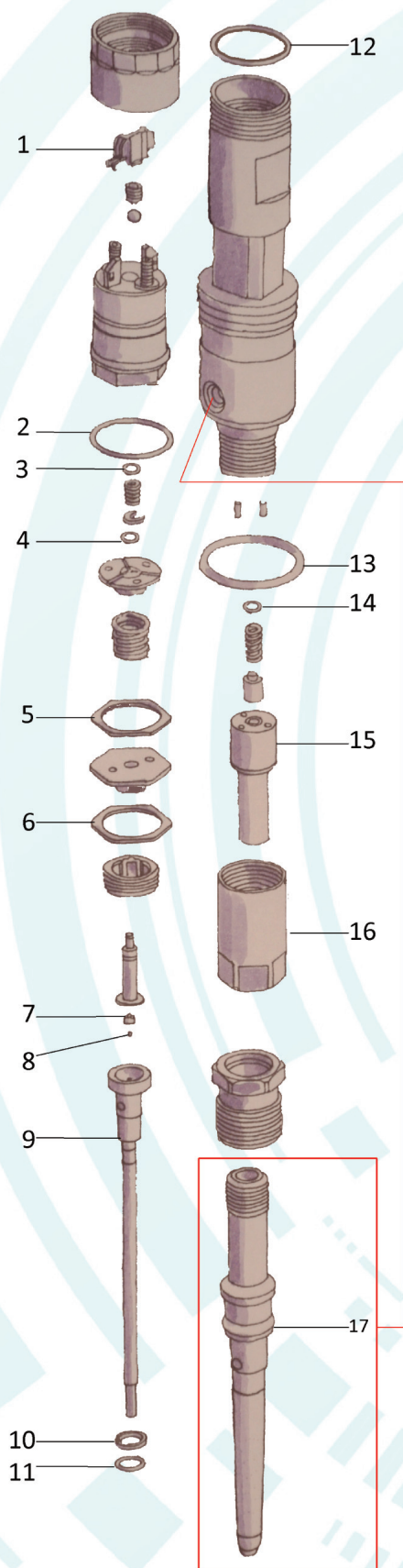
Pos No.	Part No.	Description
1	18D400	Leak off Connector (90 degree)
1	18D401	Leak off Connector (180 degree)
2	CMR113	Leak off seal
3	CMR111	Leak off clip
4	***SEE BELOW***	Solenoid
5	CMR142	Solenoid seal
6	SEE PUB 0113	Shim
7	SEE PUB 0113	Shim
8	SEE PUB 0113	Locking Clip
9	SEE PUB 0113	Shim
10	CMR46	Ball cup
10	CMR47	Ball cup
11	CMR65-50	Pilot Valve Ball 1.34mm
11	CMR65-15	Pilot Valve Ball 1.50 mm
11	CMR65-IMA	Pilot Valve Ball 1.33mm (ceramic)
11	CMR65-IMA2	Pilot Valve Ball 1.34mm (ceramic)
12	***SEE BELOW***	Pilot valve
13	CMR88	High Pressure Seal
14	CMR88S	High Pressure Support Washer
15	SEE PUB 0113	Shim
16	CMR49	Inlet Washer
17	CMR50	Nozzle Pin
18	SEE PUB 0113	Shim
19	SEE PUB 0113	Shim
20	SEE PUB 0113	Button
21	SEE PUB 0213	Nozzle
22	18D30	Nozzle Nut (IVECO)
22	18D31	Nozzle Nut (MERCEDES/OPEL)
22	18D33	Nozzle Nut (VAUXHALL/FIAT/BMW)
22	18D34	Nozzle Nut (PSA)
23	SEE PUB 0613	Seating Washer

Please provide injector number and we will identify part required

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BOSCH COMMERCIAL TYPE INJECTOR



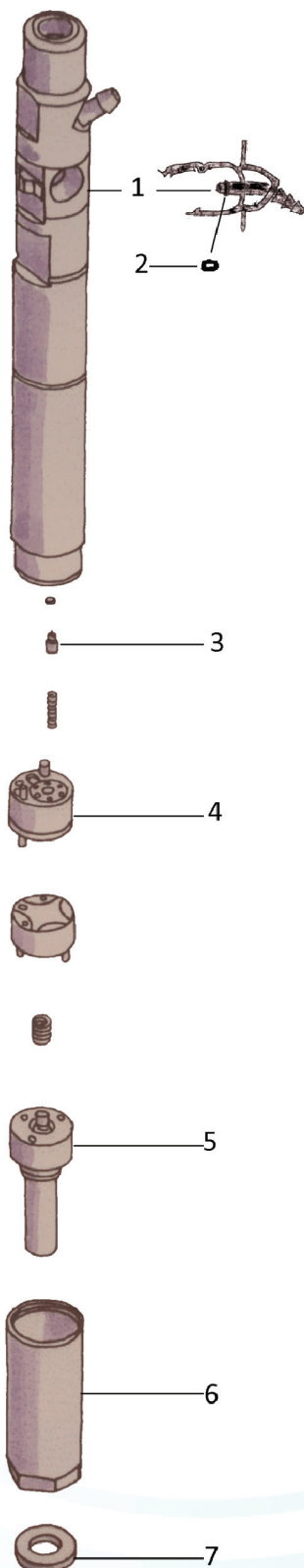
Pos No.	Part No.	Description
1	F 00R J00 849	Contact Divider
2	CMR 78	Solenoid O Ring
3	SEE PUB 0113	Shim
4	SEE PUB 0113	Shim
5	SEE PUB 0113	Shim
6	SEE PUB 0113	Shim
7	CMR 45	Ball Cup
7	CMR 46	Ball Cup
7	F00VC21001	Ball Cup
7	F00VC21002	Ball Cup
8	CMR 65-50	Pilot Valve Ball 1.34mm
8	CMR 65-15	Pilot Valve Ball 1.50mm
8	CMR 65-IMA	Pilot Valve Ball 1.33mm (Ceramic)
8	CMR 65-IMA2	Pilot valve Ball 1.34mm(Ceramic)
9	*** SEE BELOW***	Pilot Valve
10	CMR88	High Pressure Seal
11	CMR88S	High Pressure Washer
12	SEE PUB 0113	Shim
13	18D451	Body sealing ring
14	SEE PUB 0113	Shim
15	SEE PUB 0213	Nozzle
16	*** SEE BELOW***	Cap nut
17	*** SEE BELOW***	Inlet adaptor

Please provide injector number and we will identify part required

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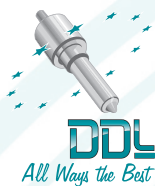


DELPHI INJECTOR

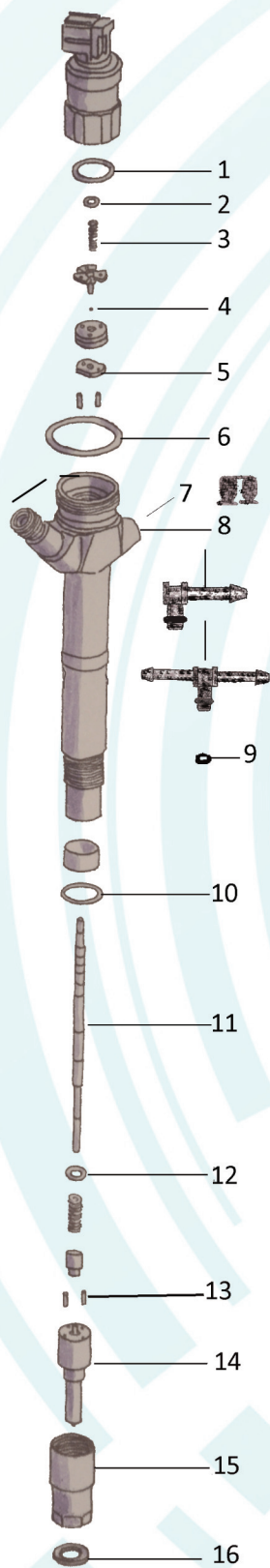


Pos No.	Part No.	Description
1	18D402	Leak off Connector
2	18D403	Leak off Seal
3	SEE PUB 0113	Shim
4	9308-621C	Control Valve
4	9308-622B	Control Valve
4	28239294	Control Valve
4	28239295	Control Valve
5	SEE PUB 0213	Nozzle
6	9308-002D	Nozzle Nut (Ford)
6	9308-002E	Nozzle Nut (Renault/Ford)
6	9308-002F	Nozzle Nut (Ford)
7	SEE PUB 0613	Washer

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DENSO SOLENOID INJECTOR



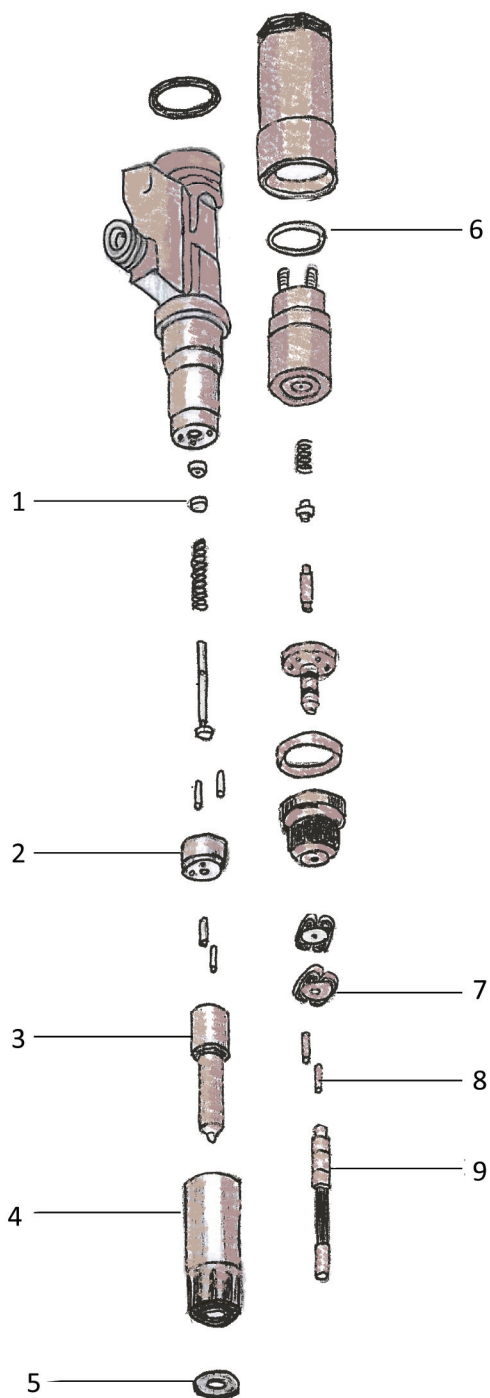
Pos No.	Part No.	Description
1	SEE PUB 0113	Shim
2	SEE PUB 0113	Shim
3	CMR246	IMA spring
4	CMR220	"D" Shaped Sphere
5	***SEE BELOW***	Pilot Valve
6	CMR242	Solenoid Seal
7	18D411	Leak off Clip
8	18D408	Leak off connector (90 Degrees)
8	18D409	Leak off connector (180 degrees)
9	18D409S	Leak off connector seal
10	SEE PUB 0113	Shim
11	***SEE BELOW***	Control Rod
12	SEE PUB 0113	Shim
13	CMR50	Nozzle Locating Pin
14	SEE PUB 0213	Nozzle
15	****SEE BELOW	Nozzle Nut
16	SEE PUB 0613	washer

Please provide injector number and we will identify part required

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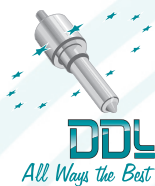
DENSO COMMERCIAL INJECTOR



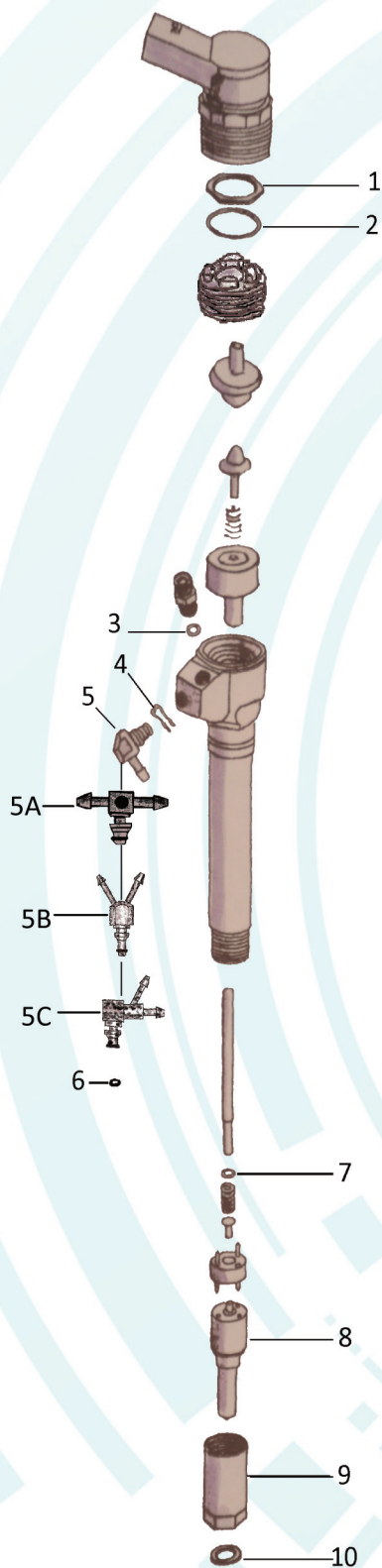
Pos No.	Part No.	Description
1	SEE PUB 0113	Shim
2	CMR245	Injector Spacer
3	SEE PUB 0213	Nozzle
4	*** SEE BELOW***	Nozzle Nut
5	SEE PUB 0613	Washer
6	CMR242	Solenoid Seal
7	***SEE BELOW***	Pilot Valve
8	CMR50	Nozzle Locating Pin
9	*** SEE BELOW***	Control Rod

Please provide injector number and we will identify part required

With Decades of Diesel Experience



SIEMENS INJECTOR



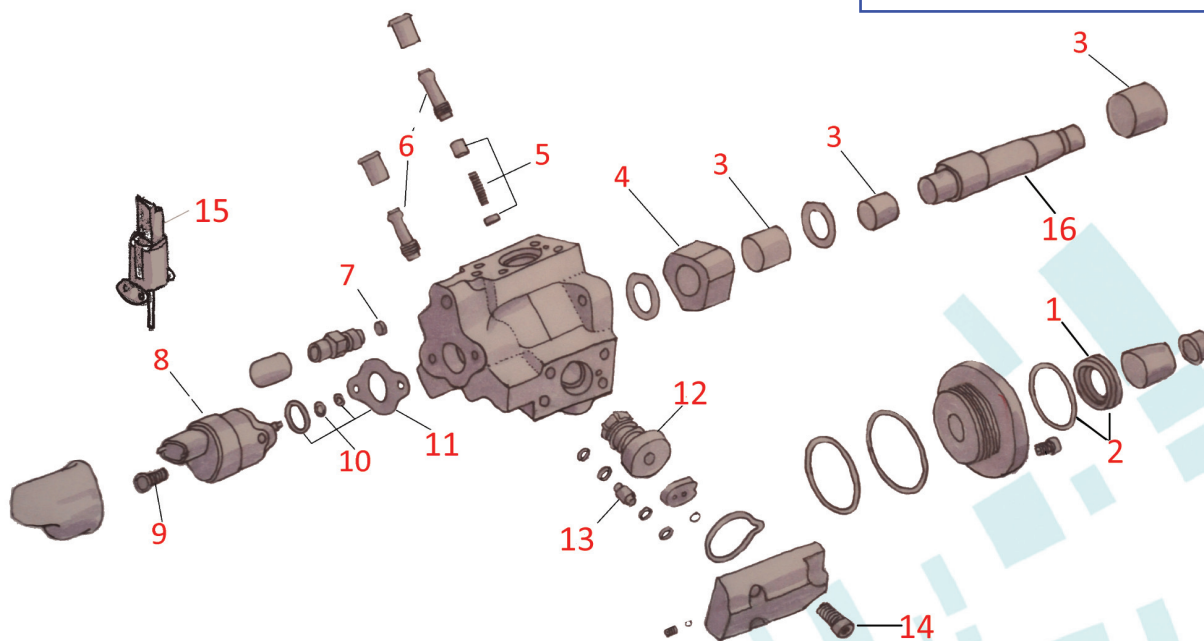
Pos No.	Part No.	Description
1	SEE PUB 0113	Shim
2	CMR514	Solenoid O Ring
3	CMR518	Inlet washer
4	CMR511	Leak off Clip
5	18D406	Leak off connector (90 degree)
5A	18D405A	Leak off Connector(180 degree)
5B	18D405	Leak off Connector ('Y' shape)
5C	18D405B	Leak off connector (45 degree angle)
6	CMR113	Leak off seal
7	SEE PUB 0113	Shim
8	SEE PUB 0113	Shim
9	CMR549	Nozzle Nut
10	SEE PUB 0613	Washer

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BOSCH CP1/CP1K FUEL PUMP

OVERHAUL KIT CMR 100U

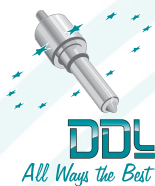


Items Available Separately:

Pos No.	Part No.	Description	Pos No.	Part No.	Description
1	F00ROP0253	Drive Shaft Seal	12	CMR 1	Element Spring
2	CMR 101	Drive Shaft Seal & O Ring	13	CMR 27	By-Pass Gallery
3	CMR 21	Camshaft Bush Set	14	CMR 31	Head set screw
4	CMR 23	Drive Shaft Cam	15	0928400366	Unloading Valve
5	CMR 24	Shut Down Valve Assembly	16	***SEE BELOW***	Cam Shaft
6	F00ROP0550	Inlet / outlet spigot			
6	F00ROP0623	Inlet / outlet spigot			
6	F00ROP0656	Inlet / outlet spigot			
6	F01M100176	Inlet / outlet spigot			
6	F01M100476	Inlet / outlet spigot			
6	F01M100477	Inlet / outlet spigot			
7	CMR49	washer			
8	** SEE BELOW**	Pressure Regulator			
9	CMR104	CP1 Screw Set			
10	CMR1700-9	Pressure Reg Seal Kit (Parts Sold Separately)			
11	CMR 114	Pressure Reg. Gasket			

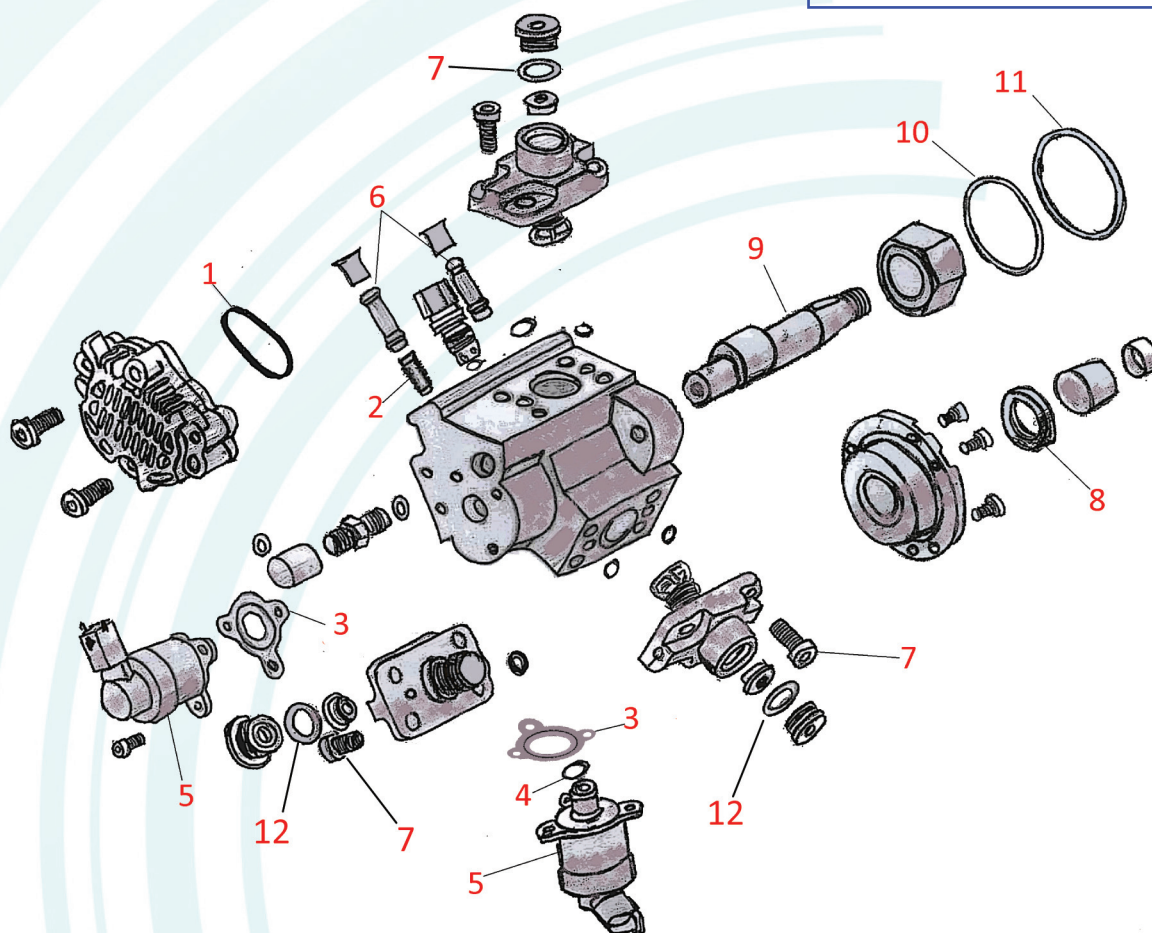
Please provide pump number and we will identify part required

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BOSCH CP1H FUEL PUMP

OVERHAUL KIT CMR 600



Items Available Separately:

Pos No.	Part No.	Description
1	2 440 210 049	O Ring
2	CMR 603	Filter
3	CMR 605	Gasket
4	CMR 604	DRV O Ring
5	0 928 400 607	Inlet Metering Valve
5	0 928 400 633	Inlet Metering Valve
5	0 928 400 672	Inlet Metering Valve
5	0 928 400 680	Inlet Metering Valve
6	F 01M 100 044	Fuel Spigot
6	F 01M 100 176	Fuel Spigot
6	F 01M 100 177	Fuel Spigot
6	F 01M 100 177	Fuel Spigot

Pos No.	Part No.	Description
7	F 01M 100 684	Head Screw
8	F 00R OP0 253	Oil Seal
9	***SEE BELOW***	Camshaft
10	F 00R OP1 255	O Ring
11	F 00R OP1 106	O Ring
12	F 00R OP0 397	O Ring

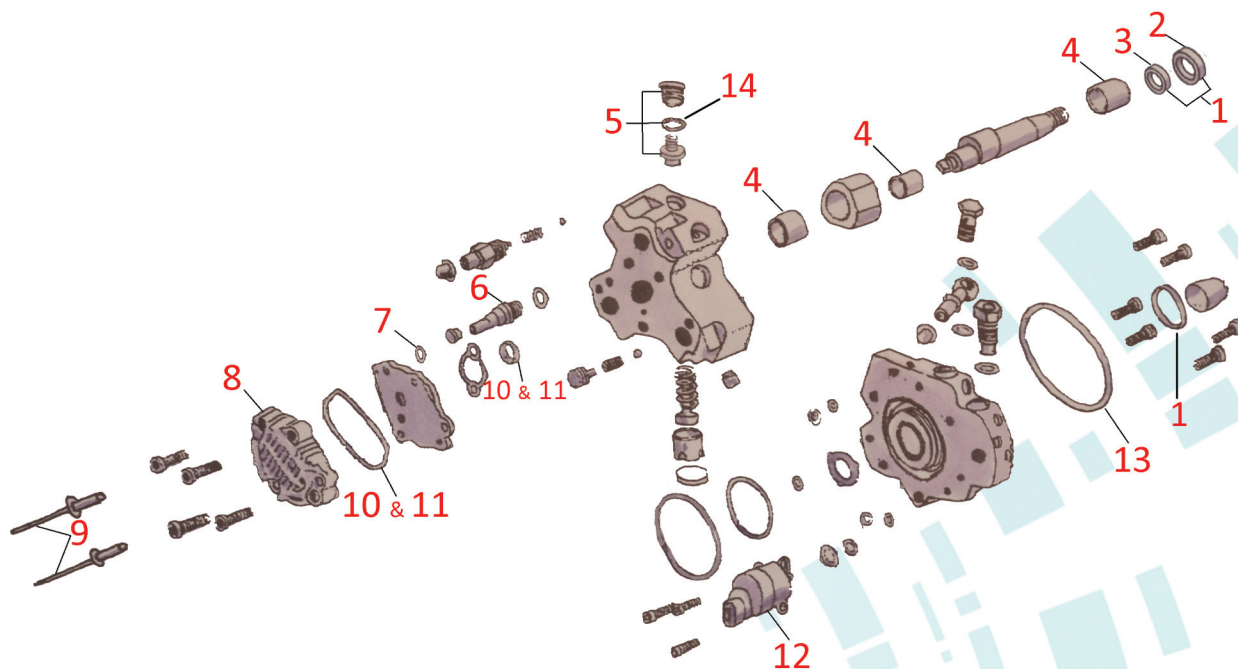
Please provide pump number and we will identify part required

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BOSCH CP3 FUEL PUMP

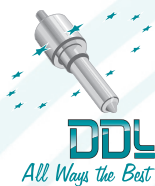
OVERHAUL KIT CMR 311U



Items Available Separately:

Pos No.	Part No.	Description	Pos No.	Part No.	Description
1	18D10	O Ring & Seal (36 & 37mm)	7	18D306	O Ring
1	CMR 301	O Ring & Oil Seal 32mm	8	0 440 020 038	Transfer Pump
1	18D10	O Ring & Oil Seal 37mm	9	CMR 374	Rivet
2	F 00R OP0 669	25x37x7mm seal	10	CMR 371	Transfer Pump Seal Kit (0 440 020 008)
2	F 00R OP0 890	20x32x7mm seal	10	CMR 372	Transfer Pump Seal Kit (0 440 020 038)
3	F 00R OP0 521	Oil seal inner 36mm	10	CMR 373	Transfer Pump Seal Kit (0 440 020 095)
4	CMR 321	Bush Kit (70 / 90)	11	18D301	O Ring
4	CMR 322	Bush Kit (80 / 110)	11	2 440 210 054	O Ring
5	F 00N 200 992	Suction Valve	12	0 928 400 481	Metering Valve
5	F 00N 200 993	Suction Valve	12	0 928 400 487	Metering Valve
5	F 00N 201 244	Suction Valve	12	0 928 400 660	Metering Valve
6	F 00R OP0 850	Fuel Inlet Spigot	12	0 928 400 666	Metering Valve
			12	0 928 400 727	Metering Valve
			13	F 00R OP0 352	Flange O Ring
			14	F 00R OP0 397	O Ring

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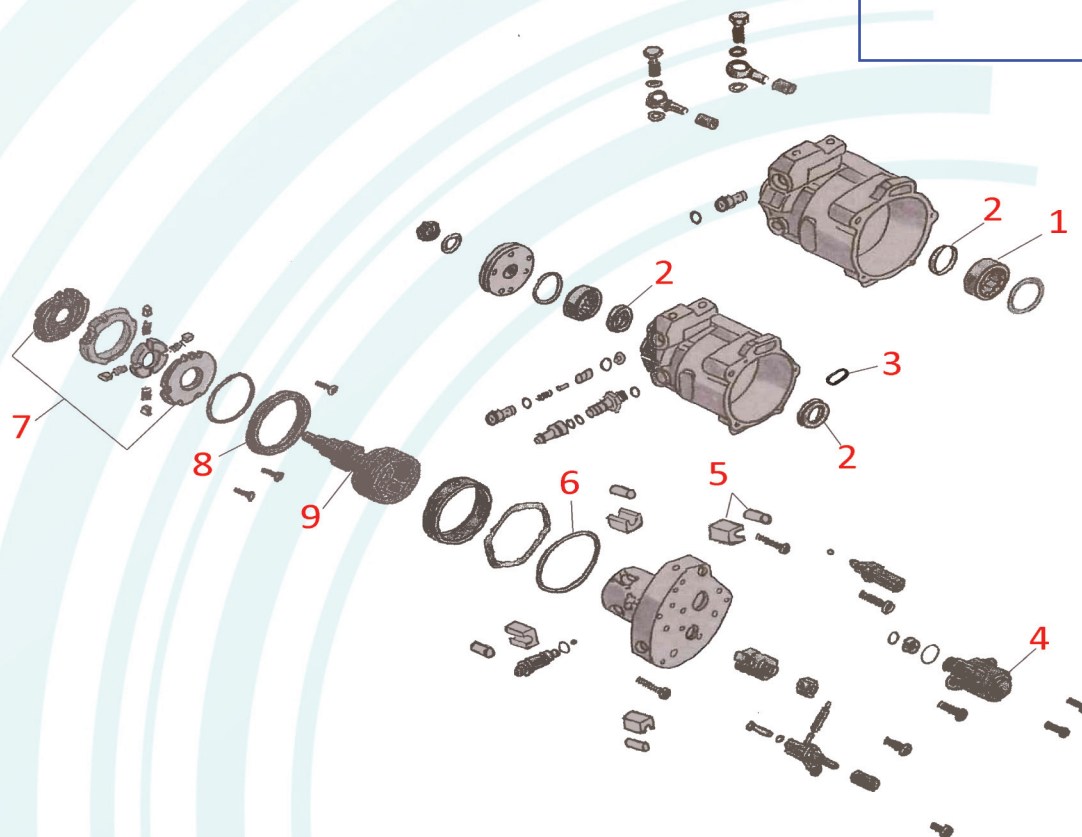


DELPHI FUEL PUMP

OVERHAUL KIT 7135-539

7135-479

7135-479A



Items Available Separately:

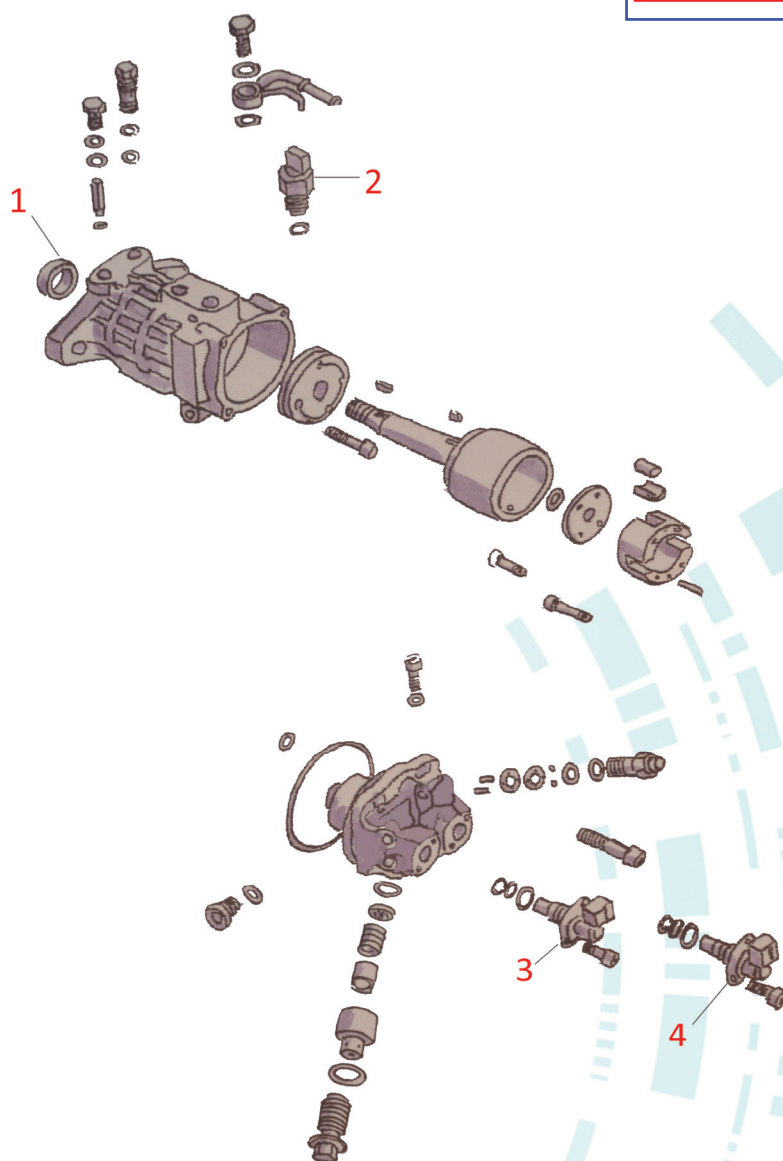
Pos No.	Part No.	Description
1	9307-303A	Bearing
2	9307-402A	Oil Seal
2	9307-408A	Oil Seal
2	9307-410A	Oil Seal
2	9307-412A	Oil Seal
3	9307-414A	By-Pass Seal
4	9109-903	Inlet Metering Valve
5	7135-476	Shoe & Roller Kit
6	9307-413A	O Ring
6	9307-413B	O Ring
6	9307-413C	O Ring
7	7135-478	Transfer Pump Kit
8	9307-308A	Bearing
9	9303-520D	Drive Shaft
9	9303-533C	Drive Shaft

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DENSO HP2 FUEL PUMP

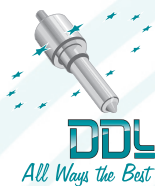
OVERHAUL KIT 097490-0010



Items Available Separately:

Pos No.	Part No.	Description
1	097397-0010	Oil Seal
1	294197-0020	Oil Seal
2	179730-0020	Temperature Sensor
3	096710-0061	Suction Valve (red)
3	096710-0062	Suction Valve (red)
4	096710-0051	Suction Valve (green)
4	096710-0052	Suction Valve (green)

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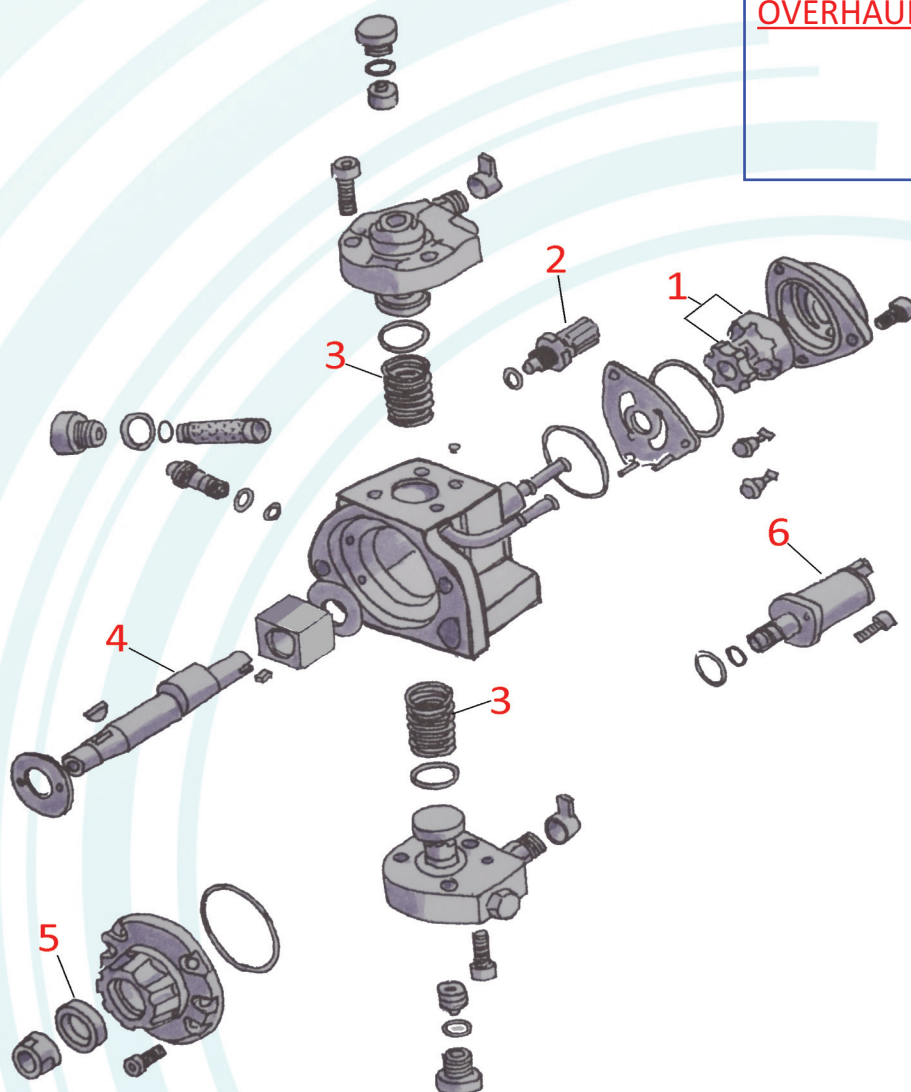
DENSO HP3 FUEL PUMP

OVERHAUL KIT CMR800

294009-0030

294009-0080

294009-00110



Items Available Separately:

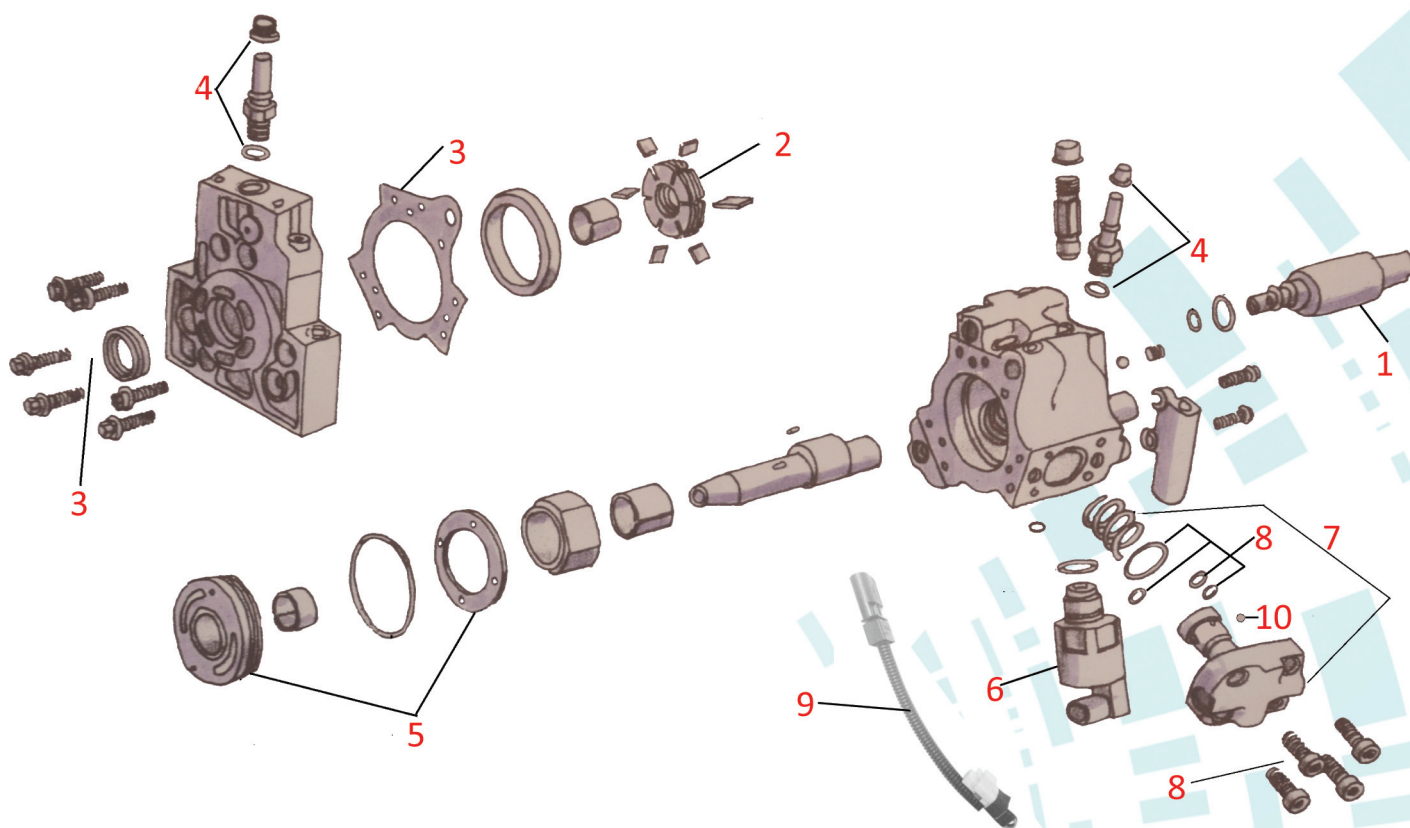
Pos No.	Part No.	Description
1	294180-0010	Rotor Set
1	294180-0080	Rotor Set
2	179730-0100	Temperature Control Sensor
2	179730-0200	Temperature Control Sensor
3	294159-0010	Plunger Spring
3	294159-0040	Plunger Spring
4	294191-0010	Camshaft
4	294191-0020	Camshaft
4	294191-0060	Camshaft
4	294191-0070	Camshaft

Pos No.	Part No.	Description
4	294191-0100	Camshaft
4	294191-9020	Camshaft
5	294197-0010	Oil Seal
5	294197-0020	Oil Seal
6	294009-0120 (294200-0060)	Inlet Metering Valve

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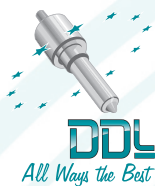
SIEMENS LION V6 FUEL PUMP



Items Available Separately:

Pos No.	Part No.	Description
1	A2C20000719Z	Volume control valve
2	X39-800-300-010Z	Transfer Pump
3	A2C59512213	Flange Gasket & oil seal kit
4	A2C59512212	Flange inlet Kit
5	X39-800-300-011Z	Transfer Pump End Plate
6	X39-800-300-005Z	Pressure Control Valve
7	A2C20003768Z	Element kit
8	A2C59512214	Element seal kit
9	A2C59513201	Pressure Control Valve cable
9	A2C59513376	Pressure Control Valve cable
10	CMR502	Delivery Ball

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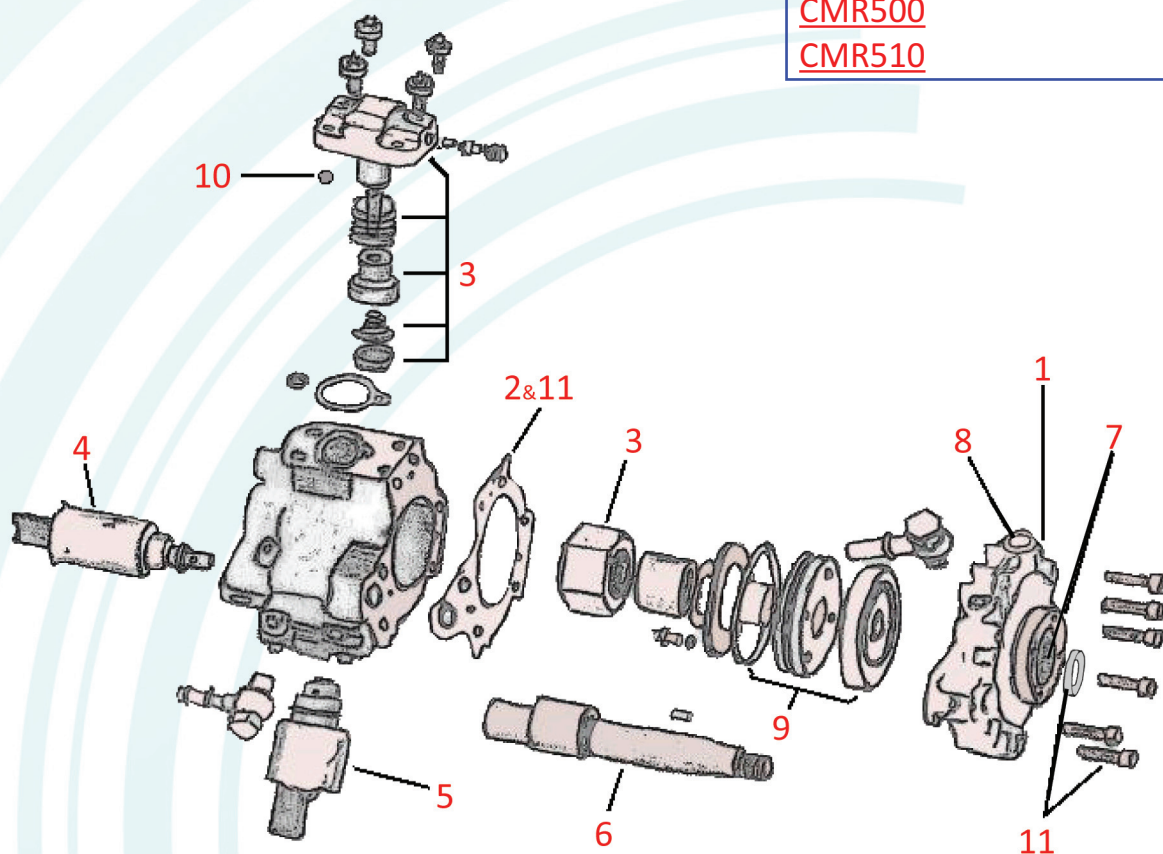


SIEMENS FUEL PUMP

OVERHAUL KIT

CMR500

CMR510



Items Available Separately:

Pos No.	Part No.	Description
1	X39-800-300-009Z	Transfer Pump End Plate
1	X39-800-300-021Z	Transfer Pump End Plate
1	X39-800-300-011Z	Transfer Pump End Plate
1	X39-800-300-022Z	Transfer Pump End Plate
2	CMR 501	Flange Gasket (Long Type)
2	CMR504	Flange Gasket (Short Type)
3	X39-800-300-004Z	Element Assembly & Cam Kit
3	X39-800-300-008Z	Element Assembly & Cam Kit
3	X39-800-300-009Z	Element Assembly & Cam Kit
4	X39-800-300-006Z	Volume Control Valve (Screw Type)
4	X39-800-300-018Z	Volume Control Valve (Flange Type)
5	X39-800-300-005Z	Pressure Control Valve

Pos No.	Part No.	Description
6	A2C59511247	Cam Shaft
6	A2C59511248	Cam Shaft
6	A2C59511249	Cam Shaft
7	CMR503	Drive Shaft Bearing
8	CMR550	Transfer Pressure Valve (56mm Short Type)
8	CMR560	Transfer Pressure Valve (48mm Long Type)
9	X39-800-300-010Z	Transfer Pump
10	CMR502	Delivery Ball
11	X39-800-300-001Z	Flange Gasket (Short Type) & Oil Seal Kit
11	X39-800-300-020Z	Flange Gasket (Long Type) & Oil Seal Kit

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ADDITIONAL PUBLICATIONS AVAILABLE ON REQUEST

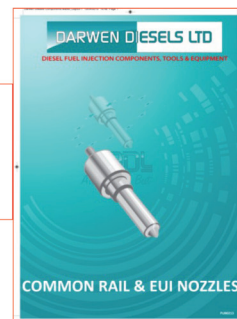
Common Rail Injector Shims

PUB0113



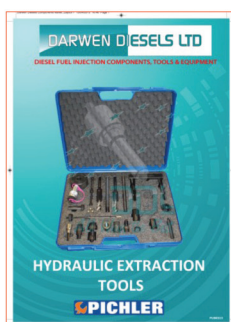
Common Rail & EUI Nozzles

PUB0213



Hydraulic Extraction Tools

PUB0313



Common Rail & EUI Parts

PUB0413



Common Rail & EUI Tooling

PUB0513



Common Rail Seating Washers

PUB0613



Banjo's, Bolts, Piping & Connectors

PUB0713



Test Equipment

PUB0813



Any Proprietary names and part numbers shown are for reference purposes only and are not intended to imply the parts are manufactured by the companies mentioned.

Technical data and illustrations are non-binding and could be subject to change by Darwen Diesels Ltd. Due to specification updates.

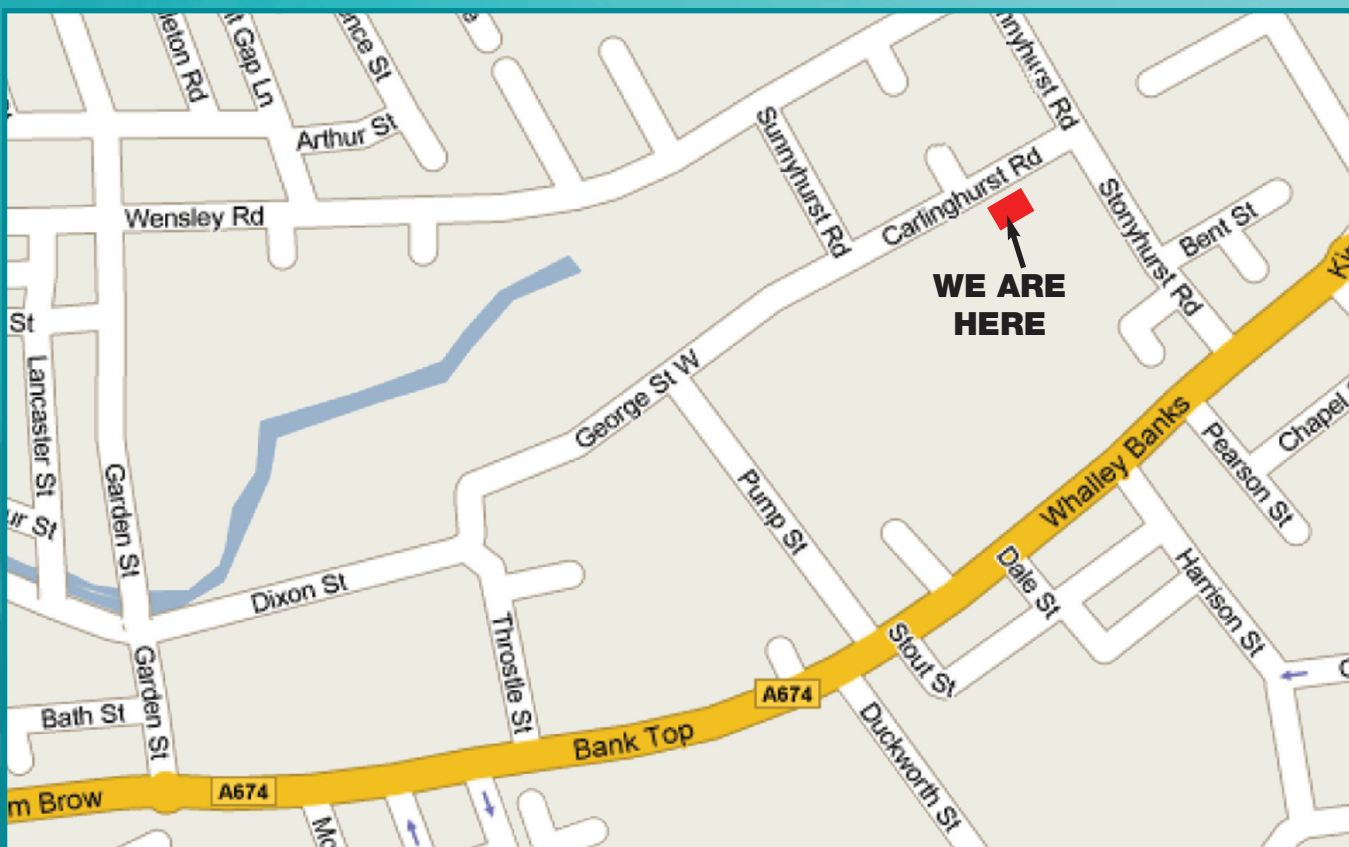
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DARWEN DIESELS LTD

Where we are

Directions

M6 to M65, Exit Junction 3 A674 Blackburn, Follow road towards Town Centre past Witton Park, after lights to next mini roundabout go left then 1st right. Follow road round and we are situated approximately 1/4 mile on the right.



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