

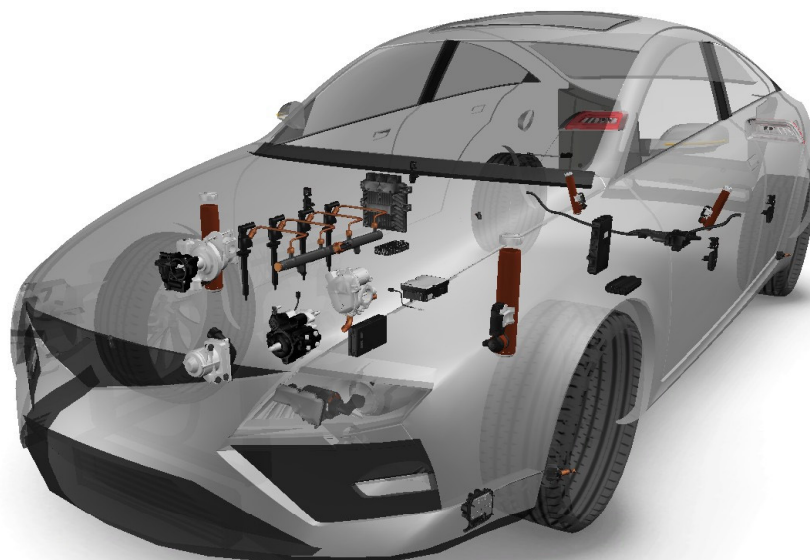


# Common Rail Diesel

**VDO**

# Our innovation. Your advantage.

The worldwide first high-pressure diesel injection system with piezo injectors was the forerunner of the current Continental Common Rail Diesel System. Common Rail Diesel Injection Systems consist of the following main components: a high-pressure pump, piezo injectors, rail, lines and engine control unit. The high-pressure pump continually delivers diesel fuel into the rail under pressure; the rail supplies fuel to the piezo injectors through the lines. The engine units controls the piezo injectors to ensure that the right amount of diesel fuel is injected into the cylinders at the right point in time.



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# PCR 2.0 DW10TD



## Manufacturer

2.0l | 64kW | 2-valve engine

Citroen C5  
Peugeot 307  
Peugeot Partner

Citroen Berlingo  
Peugeot 406 (Facelift)  
Suzuki Vitara

Citroen Xsara  
Peugeot 407  
Suzuki Vitara

## Spare Parts

Category	Part Number	Description
CR-Pump	5WS40018-Z	CR-Pump DW10TD
Injector	5WS40000-Z	Injector DW10TD
Misc	X11-800-002-001Z	Copper Ring DW10TD
Misc	X11-800-001-001Z	Leckage Clip DV4
Pipe	5WS40004-Z	Pipe CYL 1+3 DW10TD (ONLY FOR P+P RAIL)
Pipe	5WS40005-Z	Pipe CYL 2+4 DW10TD (ONLY FOR P+P RAIL)
Pipe	5WS40003-Z	Pipe Pump DW10TD (ONLY FOR P+P RAIL)
RepairPart	X39-800-300-006Z	Volume Control Valve (VCV) Screwed
RepairPart	X39-800-300-005Z	Pressure Control Valve (PCV)

## Cross Reference

Manufacturer	OE_Partnumber	Description	Ordernumber	Remarks
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Ford	4M5Q9F524AA	Leakage-Clip	X11-800-001-003Z	
PSA	1570A9	Pipe Pump-Rail	5WS40003-Z	only for welded rails until 11/2004
PSA	1570C1	Pipe Cyl. 1+3	5WS40004-Z	only for welded rails until 11/2004
PSA	1570C2	Pipe Cyl. 2+4	5WS40005-Z	only for welded rails until 11/2004
PSA	1920CG	CR-Pump	5WS40018-Z	
PSA	1980F0	Injector	5WS40000-Z	
PSA	198165	Washer 2.5mm	X11-800-002-001Z	
PSA	1982A2	Leakage-Clip	X11-800-001-003Z	
PSA	9464644680	Leakage-Clip	X11-800-001-003Z	
PSA	9636673880	CR-Pump	5WS40018-Z	
PSA	9636675780	Pipe Cyl. 2+4	5WS40005-Z	only for welded rails until 11/2004
PSA	9636680280	Injector	5WS40000-Z	
PSA	9636818480	CR-pump	5WS40018-Z	
PSA	9636819380	Injector	5WS40000-Z	
PSA	9652173680	Injector	5WS40000-Z	
PSA	9652173780	Injector	5WS40000-Z	
PSA	9652175380	CR-Pump	5WS40018-Z	
PSA	9652175480	CR-pump	5WS40018-Z	
PSA	9653276480	Washer 2.5mm	X11-800-002-001Z	
PSA	9658195080	CR-Pump	5WS40018-Z	

# PCR 2.0 DV4TD



## Manufacturer

1.4l | 50kW | Euro 3 / Euro 4

Citroen C1  
Ford Fiesta  
Peugeot 307  
Toyota Aygo

Citroen C2  
Ford Fusion  
Peugeot 1007  
Toyota Aygo

Citroen C3  
Peugeot 107  
Mazda 2

## Spare Parts

Category	Part Number	Description
CR-Pump	5WS40008-Z	CR-Pump DV4
Injector	A2C59511612	Injector DV4_KYOCERA
Injector	5WS40149-Z	Injector EURO 4 DV4
Injector	5WS40148-Z	Injector EURO 3 DV4
Misc	X11-800-001-001Z	Leckage Clip DV4
Misc	X11-800-002-004Z	Copper Ring DW10TD
RepairPart	X39-800-300-005Z	Pressure Control Valve (PCV)
RepairPart	X39-800-300-006Z	Volume Control Valve (VCV) Screwed

## Cross Reference

Manufacturer	OE Partnumber	Description	Ordernumber	Remarks
Ford	1346476	Injector Euro3	5WS40148-Z	
Ford	1348623	Injector Euro3	5WS40148-Z	
Ford	1348625	Washer 2.5mm	X11-800-002-001Z	

Ford	1404786	CR-pump	5WS40008-Z	
Ford	1469709	Injector Euro4	5WS40149-Z	
Ford	1488987	CR-pump	5WS40008-Z	
Ford	1497896	CR-pump	5WS40008-Z	
Ford	1497896	CR-pump	5WS40008-Z	
Ford	2S6Q9A543AC	CR-pump	5WS40008-Z	
Ford	2S6Q9A543AD	CR-pump	5WS40008-Z	
Ford	2S6Q9A543AF	CR-pump	5WS40008-Z	
Ford	2S6Q9E568AB	Washer 2.5mm	X11-800-002-001Z	
Ford	2S6Q9F593AA	Injector DV E3	n/a	see 9649574480
Ford	2S6Q9F593AB	Injector Euro3	5WS40148-Z	
Ford	2S6Q9F593AC	Injector Euro3	5WS40148-Z	
Ford	2S6Q9F593BC	Injector Euro4	5WS40149-Z	
Ford	2S6Q9F593BD	Injector	A2C59511612	
Ford	2S6Q9G719AA	Leakage-Clip	X11-800-001-001Z	
Mazda	Y401 13800C	CR Pump	5WS40008-Z	
Mazda	Y404 13250A	Injector	A2C59511612	
PSA	1920EP	CR-pump	5WS40008-Z	
PSA	198090	Injector	n/a	replaced by 5WS40148-Z
PSA	1980E6	Injector	n/a	replaced by 5WS40149-Z or 5WS40516/A2C59511612
PSA	1980E7	Injector Euro3	5WS40148-Z	
PSA	1980J1	Injector Euro4	5WS40149-Z	
PSA	1980L0	Injector (Kyocera)	A2C59511612	5WS40516
PSA	198165	Washer 2.5mm	X11-800-002-001Z	
PSA	198169	Washer 2.9mm	A2C59511488	
PSA	1982C4	Leakage-Clip	X11-800-001-001Z	
PSA	9401982C48	Leakage-Clip	X11-800-001-001Z	
PSA	9641852080	CR-Pump	5WS40008-Z	
PSA	9645988580	Injector	n/a	replaced by 5WS40148-Z
PSA	9649574480	Injector	n/a	replaced by 5WS40148-Z
PSA	9651590880	CR-Pump	5WS40008-Z	
PSA	9652707180	Injector	n/a	replaced by 5WS40149-Z or 5WS40516/A2C59511612
PSA	9652763180	Injector DV E3	n/a	see 9649574480
PSA	9652763280	Injector	n/a	replaced by 5WS40148-Z
PSA	9654550980	Injector Euro4	5WS40149-Z	
PSA	9654551080	Injector Euro4	5WS40149-Z	
PSA	9654862780	Washer 2.9mm	not released yet for IAM	
PSA	9655304780	Injector Euro3	5WS40148-Z	
PSA	9655304880	Injector Euro3	5WS40148-Z	
PSA	9658176080	CR-pump	5WS40008-Z	
PSA	9663429280	Injector (Kyocera)	A2C59511612	5WS40516
PSA	9677247280	Injektor K06.02 DV4TD	n/a	see 9649574480
PSA	9683528780	CR-pump	5WS40008-Z	
PSA	9685440880	CR-pump	5WS40008-Z	
PSA	9685440880	CR-pump	5WS40008-Z	

PSA	9715135480	Injector	n/a	see 9652707180
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# PCR 2.3 DW10BTED



## Manufacturer

2.0l | 100kW | 4-valve engine

Citroen C4  
 Citroen Picasso  
 Ford Mondeo  
 Peugeot 407  
 Volvo C30

Citroen C5  
 Ford C-Max  
 Ford S-Max  
 Peugeot 607  
 Volvo S40

Citroen C8  
 Ford Galaxy  
 Peugeot 307  
 Peugeot 807  
 Volvo V50

## Spare Parts

Category	Part_Number	Description
CR-Pump	5WS40163-Z	CR-Pump DW10B (VOLVO)
CR-Pump	A2C59511600	CR-Pump DW10B (VOLVO NEW)
CR-Pump	5WS40019-Z	CR-Pump DW10B
Injector	A2C59511601	Injector DW10B CLASS 6
Injector	A2C59513552	Injector DW10B MFMA CLASS 7
Injector	A2C59511603	Injector DW10B MFMA
Injector	5WS40156-4Z	Injector DW10B CLASS 4
Injector	5WS40156-Z	Injector DW10B CLASS 5

Misc	X11-800-001-003Z	Leckage Clip DW10TD
Misc	X11-800-002-002Z	Copper Ring
Pipe	5WS40042-Z	Pipe CYL 1+3 DW10TD (ONLY FOR P+P RAIL)
Pipe	5WS40040-Z	Pipe Pump DW10TD (ONLY FOR P+P RAIL)
Pipe	5WS40043-Z	Pipe CYL 2+4 DW10TD (ONLY FOR P+P RAIL)
RepairPart	X39-800-300-018Z	Volume Control Valve (VCV) flanged
RepairPart	X39-800-300-005Z	Pressure Control Valve (PCV)

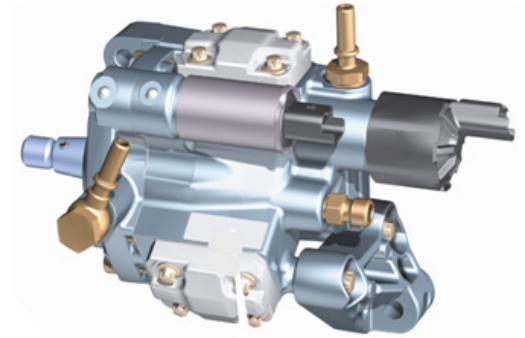
## Cross Reference

Manufacturer	OE Partnumber	Description	Ordernumber	Remarks
Ford	1231950	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
Ford	1231951	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
Ford	1373546	CR-pump	5WS40019-Z	
Ford	1373549	Injector Class 4	5WS40156-4Z	
Ford	1373550	Injector Class 5	5WS40156-Z	
Ford	1376439	CR-pump	A2C59511600	5WS40380
Ford	1483820	Injector Class 6	A2C59511601	5WS40156-6
Ford	1508245	CR-pump	A2C59511600	5WS40380
Ford	1508245	CR-pump	A2C59511600	5WS40380
Ford	1541974	CR-pump	A2C59511600	5WS40380
Ford	3M5Q9A543BD	CR-pump	5WS40019-Z	
Ford	3M5Q9A543CB	CR-pump	A2C59511600	5WS40380
Ford	3M5Q9F593DB	Injector Class 4	5WS40156-4Z	
Ford	3M5Q9F593EA	Injector Class 5	5WS40156-Z	
Ford	3M5Q9F593EB	Injector Class 5	5WS40156-Z	
Ford	3M5Q9F593FB	Injector Class 6	A2C59511601	5WS40156-6
Ford	3M5Q9J323BA	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
Ford	3M5Q9N868CA	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
Ford	3M5Q9N868DA	Pipe Cyl. 2+4	5WS40043-Z	only for welded rails until 11/2004
PSA	1570F8	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
PSA	1570G0	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
PSA	1570G1	Pipe Cyl. 2+4	5WS40043-Z	only for welded rails until 11/2004
PSA	1920KV	CR-pump	5WS40019-Z	
PSA	1920QH	CR-pump	5WS40019-Z	
PSA	1980C0	Injector	n/a	see: 9647247280
PSA	1980E8	Injector	n/a	see: 9647247280
PSA	1980J4	Injector Class 4	5WS40156-4Z	
PSA	1980J5	Injector Class 5	5WS40156-Z	
PSA	1980J9	Injector Class 7	A2C59513552	5WS40322-7
PSA	1980K0	Injector Class 8	not released yet for IAM	5WS40322-8

PSA	1980K8	Injector Class M	A2C59511603	5WS40441
PSA	1982A4	Leakage-Clip	X11-800-001-002Z	
PSA	30725188	CR-pump (Volvo new)	A2C59511600	5WS40380
PSA	9401982A43	Leakage-Clip	X11-800-001-002Z	
PSA	964454048A	CR-Pump	5WS40019-Z	
PSA	9645834480	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
PSA	9647247280	Injector	n/a	a) Class marking 4,5 or 6 => replace with 5WS40156 (same classification) b) without class marking => replace with 5WS40156 (class 5)
PSA	9654091880	CR-pump	5WS40019-Z	
PSA	9654615580	CR-pump	5WS40163-Z	
PSA	9657144580	Injector Class 5	5WS40156-Z	
PSA	9657144580	Injector Class 4	5WS40156-4Z	
PSA	9657144680	Injector Class 5	5WS40156-Z	
PSA	9657144780	Injector Class 5	5WS40156-Z	
PSA	9658193780	CR-pump	5WS40163-Z	
PSA	9658193980	CR-pump	5WS40019-Z	
PSA	9658194180	Injector	A2C59511603	5WS40322
PSA	9660334880	Injector Class 7 or 8	A2C59511603	can also be replaced by 5WS40322, but ECU calibration updated needed
PSA	9661683980	Injector Class 9	n/a	replaced by 5WS40156 (class 5 only)
PSA	9662021580	CR-pump (Volvo new)	A2C59511600	5WS40380
PSA	9681900980	CR-pump	5WS40019-Z	
PSA	9683023580	CR-pump	5WS40019-Z	
PSA	9683623780	CR-pump	5WS40019-Z	
PSA	9683624080	CR-pump (Volvo new)	A2C59511600	5WS40380
PSA	9683627780	CR-pump	5WS40019-Z	
PSA	9685704880	CR-pump	5WS40019-Z	
PSA	9685704880	CR-pump	5WS40019-Z	
PSA	9685705080	CR-pump (Volvo new)	A2C59511600	5WS40380
PSA	9688153080	CR-pump	5WS40019-Z	
Volvo	30725106	Injector	not released yet for IAM	5WS40518
Volvo	31216456	Injector Class 6	A2C59511601	5WS40156-6
Volvo	8603177	Injector	n/a	see: 9647247280
Volvo	8603319	Injector	n/a	see: 9647247280
Volvo	8603527	CR-pump	5WS40163-Z	
Volvo	8603564	Injector Class 5	5WS40156-Z	
Volvo	8603565	Injector Class 4	5WS40156-4Z	



# PCR 2.3 K9K



## Manufacturer

1.5l | 66kW | 85 kW

Nissan Qashqai  
Renault Megane

Nissan Tiida  
Renault Modus

Renault Clio  
Renault Scenic

## Spare Parts

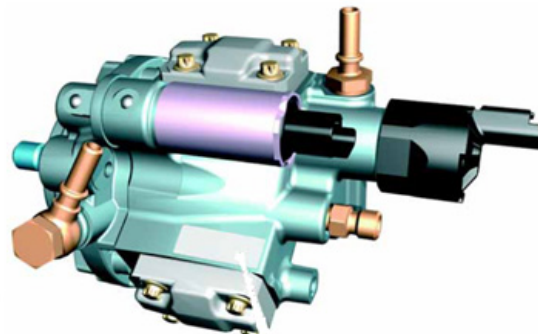
Category	Part Number	Description
CR-Pump	A2C59511605	CR-Pump K9K
Injector	A2C59511606	Injector K9K
Rail	A2C59511607	Rail With Sensor K9K

## Cross Reference

Manufacturer	OE_Partnumber	Description	Ordernumber	Remarks
Renault	7701477442	Leakage-Clip	X11-800-001-002Z	
Renault	8200380253	Injector	A2C59511606	replaced by 8200842205
Renault	8200397346	Rail with HP-Sensor	A2C59511607	5WS40154

Renault	8200430599	CR-pump	A2C59511605	replaced by 8200 663 258
Renault	8200663258	CR-pump	A2C59511605	5WS40153
Renault	8200821184	CR-pump	A2C59511605	5WS40153
Renault	8200842205	Injector K9K	A2C59511606	

# PCR 2.3 Lynx



## Manufacturer

1.8l | 85 kW | 92 kW

Ford C-Max  
Ford Mondeo  
V227

Ford Connect  
Ford S-Max  
V227

Ford Galaxy  
Ford Transit

## Spare Parts

Category	Part Number	Description
CR-Pump	A2C59511609	CR-Pump LYNX
Injector	A2C59511611	Injector LYNX V227
Injector	A2C59511610	Injector LYNX
Misc	X11-800-001-003Z	Leckage Clip DW10TD
Misc	X11-800-002-003Z	Copper Ring
RepairPart	X39-800-300-006Z	Volume Control Valve (VCV) Screwed
RepairPart	X39-800-300-005Z	Pressure Control Valve (PCV)

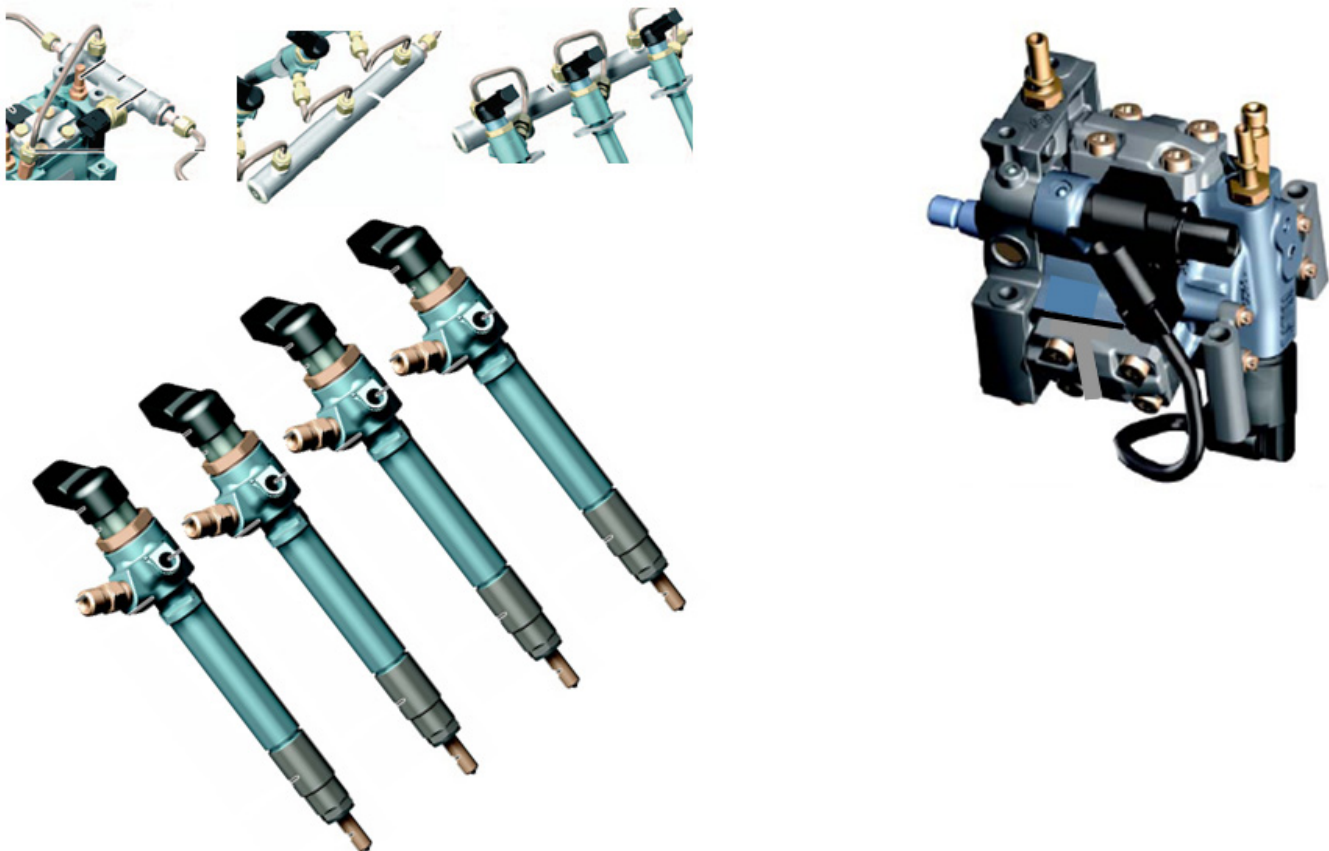
## Cross Reference

Manufacturer	OE Partnumber	Description	Ordernumber	Remarks
Ford	1355051	Injector	A2C59511610	5WS40086
Ford	1355053	CR-pump	A2C59511609	5WS40094
Ford	1432322	Injector V227	A2C59511611	5WS40250
Ford	1459401	CR-pump	A2C59511609	5WS40094
Ford	1543842	CR-pump	A2C59511609	5WS40094
Ford	4M5Q9B395AD	CR-pump	A2C59511609	5WS40094

Ford	4M5Q9B395AE	CR-pump	A2C59511609	5WS40094
Ford	4M5Q9B395AF	CR-pump	A2C59511609	5WS40094
Ford	4M5Q9F593AD	Injector	A2C59511610	5WS40086
Ford	7T1Q9F593AB	Injector V227	A2C59511611	5WS40250



# PCR 2.3 LionV6



## Manufacturer

2.7l | 4-valve engine | Euro 3 / Euro 4

Citroen C6  
Peugeot 407  
Range Rover Sport

Jaguar S-Type  
Peugeot 607  
Range Rover Sport

Jaguar XJ  
Landrover Discovery

## Spare Parts

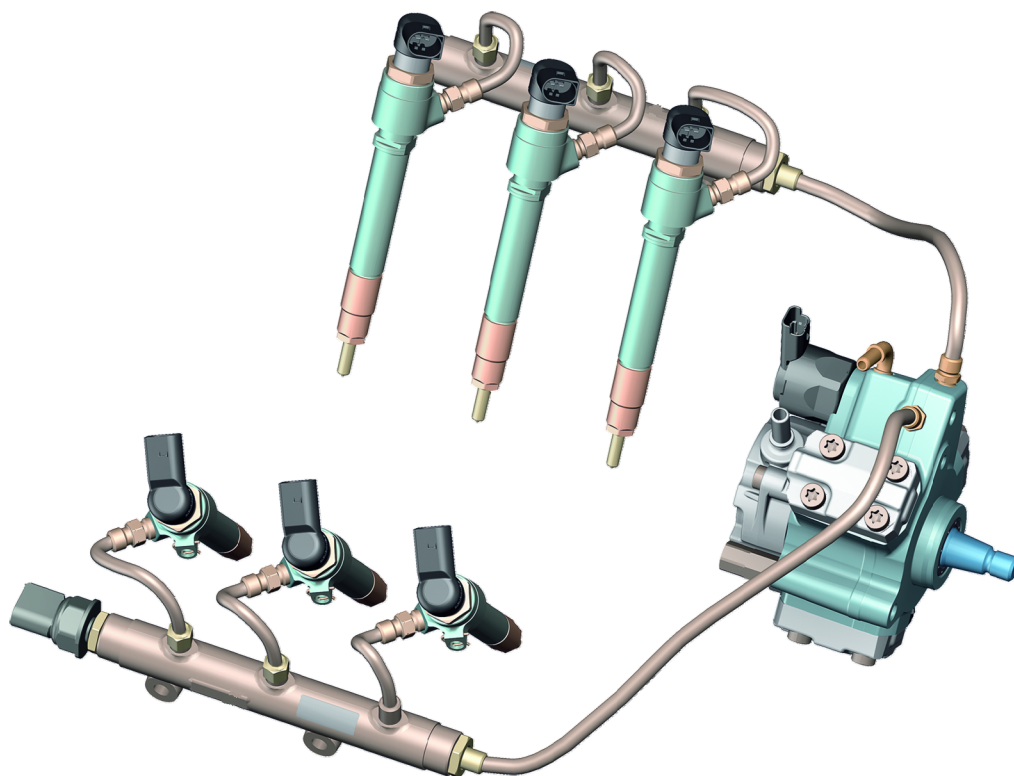
Category	Part_Number	Description
CR-Pump	A2C59511314	CR-Pump LION V6/DT17
Injector	A2C59511315	Injector LION V6 JAGUAR EURO 3
Injector	A2C59511316	Injector LION V6/DT17 EURO 4
Injector	A2C59511364	Injector LION V6 LAND ROVER
Misc	A2C59513493	Cable Plastic Clip - LionV6
Misc	A2C59511320	Injector Clamp LION V6/DT17
Misc	X11-800-001-002Z	Leckage Clip
Misc	X11-800-002-002Z	Copper Ring
Rail	A2C59511317	Diverter Rail LION V6/DT17
Rail	A2C59511318	Rail LEFT LION V6/DT17
Rail	A2C59511319	Rail RIGHT LION V6/DT17
RepairPart	X39-800-300-005Z	Pressure Control Valve (PCV)
RepairPart	A2C20000719Z	Rep Kit. Vol. Contr. Valve Li V6 / DT17

## Cross Reference

Manufacturer	OE Partnumber	Description	Ordernumber	Remarks
Ford	1334919	CR-pump	A2C59511314	5WS40157
Ford	1369551	Rail left	A2C59511318	5WS40129
Ford	1369552	Rail right	A2C59511319	5WS40130
Ford	1387695	Diverter rail	A2C59511317	5WS40128
Ford	1451604	CR-pump	A2C59511314	5WS40157
Ford	1489400	Injector (only Land Rover)	A2C59511364	5WS40249
Ford	1544405	CR-pump	A2C59511314	5WS40157
Ford	4H2Q9K546AF	Injector (only Land Rover)	A2C59511364	5WS40249
Ford	4R8Q9C066AE	Diverter rail	A2C59511317	5WS40128
Ford	4R8Q9D280AC	Rail left	A2C59511318	5WS40129
Ford	4R8Q9D280BC	Rail right	A2C59511319	5WS40130
Ford	4S7Q9B395AJ	CR-pump	A2C59511314	5WS40157
Ford	4S7Q9B395AK	CR-pump	A2C59511314	5WS40157
Ford	4S7Q9B395AL	CR-pump	A2C59511314	5WS40157
Ford	4S7Q9F524AB	Leakage-Clip	X11-800-001-002Z	
Ford	4S7Q9K546AF	Injector Lion V6 Euro 3 (nur Jaguar)	A2C59511315	5WS40057
Ford	4S7Q9K546AG	Injector Lion V6 Euro 3 (nur Jaguar)	A2C59511315	5WS40057
Ford	4S7Q9L535AC	Injector Clamp	A2C59511320	5WS40246
Ford	4S7Q9M577AA	Washer	X11-800-002-002Z	
Ford	5U3Q9K546AA	Injector Lion V6 Euro 4	A2C59511316	5WS40103
Jaguar	02C2C40185	CR-pump	A2C59511314	5WS40157
Jaguar	C2S21181	Washer	X11-800-002-002Z	
Jaguar	C2S24003	Injector Clamp	A2C59511320	5WS40246
Jaguar	C2S29876	Diverter rail	A2C59511317	5WS40128
Jaguar	C2S32276	Leakage-Clip	X11-800-001-002Z	
Jaguar	C2S40004	Injector Euro4	A2C59511316	5WS40103
Jaguar	C2S43326	Diverter rail	A2C59511317	5WS40128
Jaguar	JDE2458	Rail left	A2C59511318	5WS40129
Jaguar	JDE2459	Rail right	A2C59511319	5WS40130
Jaguar	JDE3099	CR-pump	A2C59511314	5WS40157
Jaguar	JDE4062	Rail left	A2C59511318	5WS40129
Jaguar	JDE4063	Rail right	A2C59511319	5WS40130
Jaguar	XR845127	Injector Euro 3 (only Jaguar)	A2C59511315	5WS40057
Jaguar	XR856939	Injector Euro 3 (only Jaguar)	A2C59511315	5WS40057
Landrover	LR004295	CR-pump	A2C59511314	5WS40157
Landrover	LR006495	Injector (only Land Rover)	A2C59511364	5WS40249
Landrover	LR009804	CR-pump	A2C59511314	5WS40157
PSA	1570G8	Rail left	A2C59511318	5WS40129
PSA	1570G9	Rail right	A2C59511319	5WS40130
PSA	1570H4	Diverter rail	A2C59511317	5WS40128
PSA	1579KK	Leakage-Clip	X11-800-001-002Z	
PSA	1920HJ	CR-pump	A2C59511314	5WS40157
PSA	1980H1	Injector Euro4	A2C59511316	5WS40103
PSA	198167	Washer	X11-800-002-002Z	
PSA	1982C6	Injector Clamp	A2C59511320	
PSA	9648917080	Injector Euro4	A2C59511316	5WS40103
PSA	9653969680	Rail left	A2C59511318	5WS40129
PSA	9653969780	Rail right	A2C59511319	5WS40130
PSA	9655029880	CR-pump	A2C59511314	5WS40157
PSA	9655714780	Diverter rail	A2C59511317	5WS40128
PSA	9656322980	Washer	X11-800-002-002Z	

PSA	9658676080	Injector Clamp	A2C59511320	5WS40246
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# LionV6 Upgrade



## Manufacturer

2.7l V6 Diesel

Land Rover Freelander  
Jaguar X Type

Range Rover Sport  
Jaguar X Type

(Bosch System from 2011 onwards)

## Spare Parts

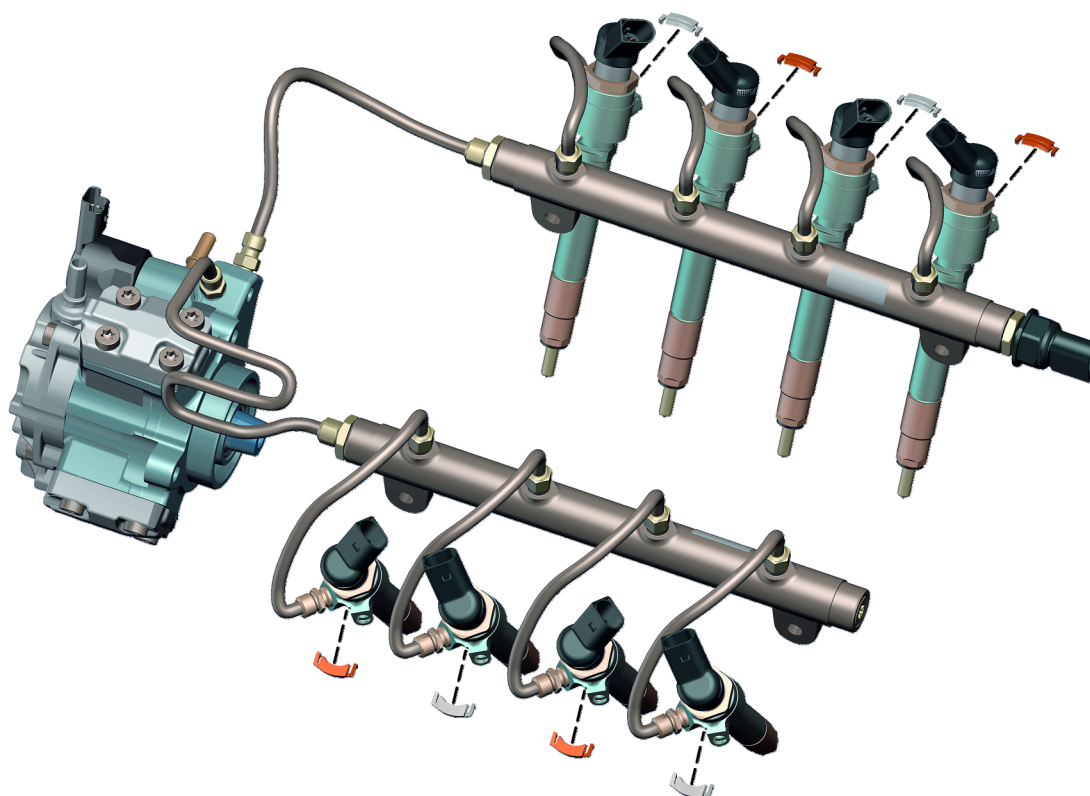
Category	Part_Number	Description
CR-Pump	A2C59513482	CR Pump LionV6 upgrade - IAM
Injector	A2C59513553	Injector LION V6 UPGRADE
Rail	A2C59513703	Rail LH (with sensor) LionV6 Upgrade
Rail	A2C59513702	Rail RH LionV6 Upgrade

## Cross Reference

Manufacturer	OE_Partnumber	Description	Ordernumber	Remarks
Ford	1454748	CR-pump	A2C59513482	5WS40273
Ford	1468884	CR-pump	A2C59513482	5WS40273
Ford	1468887	Rail right	A2C59513702	5WS40271
Ford	1468894	Rail left with HP-sensor	A2C59513703	5WS40272
Ford	1541452	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9B395CC	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9B395CD	CR-pump	A2C59513482	5WS40273

Ford	7H2Q9B395CE	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9B395CF	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9B395CG	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9B395CH	CR-pump	A2C59513482	5WS40273
Ford	7H2Q9D280CD	Rail left with HP-sensor	A2C59513703	5WS40272
Ford	7H2Q9D280CE	Rail left with HP-sensor	A2C59513703	5WS40272
Ford	7H2Q9D280DD	Rail right	A2C59513702	5WS40271
Ford	7H2Q9D280DE	Rail right	A2C59513702	5WS40271
Ford	7H2Q9K546CB	Injector	A2C59513553	5WS40252
Ford	LR004712	CR-pump	A2C59513482	5WS40273
Landrover	1489401	Injector	A2C59513553	5WS40252
Landrover	LR005549	CR-pump	A2C59513482	5WS40273
Landrover	LR005551	Rail right	A2C59513702	5WS40271
Landrover	LR005553	Rail left with HP-sensor	A2C59513703	5WS40272
Landrover	LR006496	INJECTOR LION V6 UPGRADE	A2C59513553	5WS40252
Landrover	LR009666	CR-pump	A2C59513482	5WS40273
Landrover	LR017367	CR Pump LionV6 upgrade	A2C59513482	5WS40273
Landrover	LR020020	Rail left with HP-sensor	A2C59513703	5WS40272
Landrover	LR020021	Rail right	A2C59513702	5WS40271

# LionV8



## Manufacturer

3.6l V8 Diesel

Land Rover Freelander

Range Rover Sport

(Bosch from 2011 onwards)

## Spare Parts

Category	Part Number	Description
CR-Pump	A2C59513481	CR Pump LionV8 - IAM
Injector	A2C59513596	Injector LionV8 (white clip)
Injector	A2C59513597	Injector LionV8 (174, red clip)
Rail	A2C59513699	Rail LH LionV8
Rail	A2C59513512	Rail RH With Sensor LionV8

## Cross Reference

Manufacturer	OE_Partnumber	Description	Ordernumber	Remarks
Ford	1459570	Rail left	A2C59513699	5WS40256
Ford	1459571	Rail right with HP-sensor	A2C59513512	5WS40255
Ford	6H4Q9D280AB	Rail left	A2C59513699	5WS40256
Ford	6H4Q9D280AC	Rail left	A2C59513699	5WS40256
Ford	6H4Q9D280BB	Rail right with HP-sensor	A2C59513512	5WS40255
Landrover	6H4Q9D280BC	Rail right with HP-sensor	A2C59513512	5WS40255
Landrover	6H4Q9K546DB	INJECTOR LION V8	A2C59513596	5WS40253

Landrover	6H4Q9K546EB	INJECTOR LION V8 174	A2C59513597	5WS40387
Landrover	LR005055	Rail left	A2C59513699	5WS40256
Landrover	LR005056	Rail right with HP-sensor	A2C59513512	5WS40255
Landrover	LR009737	CR Pump LionV8	A2C59513481	5WS40254
Landrover	LR020018	Rail left	A2C59513699	5WS40256
Landrover	LR020019	Rail right with HP-sensor	A2C59513512	5WS40255

# Cross Reference

## Ford

OE Partnumber	Description	Ordernumber	Remarks
1231950	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
1231951	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
1334919	CR-pump	A2C59511314	5WS40157
1346476	Injector Euro3	5WS40148-Z	
1348623	Injector Euro3	5WS40148-Z	
1348625	Washer 2.5mm	X11-800-002-001Z	
1355051	Injector	A2C59511610	5WS40086
1355053	CR-pump	A2C59511609	5WS40094
1369551	Rail left	A2C59511318	5WS40129
1369552	Rail right	A2C59511319	5WS40130
1373546	CR-pump	5WS40019-Z	
1373549	Injector Class 4	5WS40156-4Z	
1373550	Injector Class 5	5WS40156-Z	
1376439	CR-pump	A2C59511600	5WS40380
1387695	Diverter rail	A2C59511317	5WS40128
1404786	CR-pump	5WS40008-Z	
1432322	Injector V227	A2C59511611	5WS40250
1451604	CR-pump	A2C59511314	5WS40157
1454748	CR-pump	A2C59513482	5WS40273
1459401	CR-pump	A2C59511609	5WS40094
1459570	Rail left	A2C59513699	5WS40256
1459571	Rail right with HP-sensor	A2C59513512	5WS40255
1459572	CR-pump	A2C59513481	5WS40254
1468884	CR-pump	A2C59513482	5WS40273
1468887	Rail right	A2C59513702	5WS40271
1468894	Rail left with HP-sensor	A2C59513703	5WS40272
1469709	Injector Euro4	5WS40149-Z	
1483820	Injector Class 6	A2C59511601	5WS40156-6
1488987	CR-pump	5WS40008-Z	
1489400	Injector (only Land Rover)	A2C59511364	5WS40249
1494737	CR-pump	A2C59513481	5WS40254
1497896	CR-pump	5WS40008-Z	
1497896	CR-pump	5WS40008-Z	
1508245	CR-pump	A2C59511600	5WS40380
1508245	CR-pump	A2C59511600	5WS40380
1541452	CR-pump	A2C59513482	5WS40273
1541974	CR-pump	A2C59511600	5WS40380
1543081	CR-pump	A2C59513481	5WS40254
1543842	CR-pump	A2C59511609	5WS40094
1544405	CR-pump	A2C59511314	5WS40157
2S6Q9A543AC	CR-pump	5WS40008-Z	
2S6Q9A543AD	CR-pump	5WS40008-Z	
2S6Q9A543AF	CR-pump	5WS40008-Z	
2S6Q9E568AB	Washer 2.5mm	X11-800-002-001Z	
2S6Q9F593AA	Injector DV E3	n/a	see 9649574480
2S6Q9F593AB	Injector Euro3	5WS40148-Z	



2S6Q9F593AC	Injector Euro3	5WS40148-Z	
2S6Q9F593BC	Injector Euro4	5WS40149-Z	
2S6Q9F593BD	Injector	A2C59511612	
2S6Q9G719AA	Leakage-Clip	X11-800-001-001Z	
3M5Q9A543BD	CR-pump	5WS40019-Z	
3M5Q9A543CB	CR-pump	A2C59511600	5WS40380
3M5Q9F593DB	Injector Class 4	5WS40156-4Z	
3M5Q9F593EA	Injector Class 5	5WS40156-Z	
3M5Q9F593EB	Injector Class 5	5WS40156-Z	
3M5Q9F593FB	Injector Class 6	A2C59511601	5WS40156-6
3M5Q9J323BA	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
3M5Q9N868CA	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
3M5Q9N868DA	Pipe Cyl. 2+4	5WS40043-Z	only for welded rails until 11/2004
4H2Q9K546AE	Injector	todo	replaced by A2C59511364
4H2Q9K546AF	Injector (only Land Rover)	A2C59511364	5WS40249
4M5Q9B395AD	CR-pump	A2C59511609	5WS40094
4M5Q9B395AE	CR-pump	A2C59511609	5WS40094
4M5Q9B395AF	CR-pump	A2C59511609	5WS40094
4M5Q9F524AA	Leakage-Clip	X11-800-001-003Z	
4M5Q9F593AD	Injector	A2C59511610	5WS40086
4R8Q9C066AE	Diverter rail	A2C59511317	5WS40128
4R8Q9D280AC	Rail left	A2C59511318	5WS40129
4R8Q9D280BC	Rail right	A2C59511319	5WS40130
4S7Q9B395AJ	CR-pump	A2C59511314	5WS40157
4S7Q9B395AK	CR-pump	A2C59511314	5WS40157
4S7Q9B395AL	CR-pump	A2C59511314	5WS40157
4S7Q9F524AB	Leakage-Clip	X11-800-001-002Z	
4S7Q9K546AF	Injector Lion V6 Euro 3 (nur Jaguar)	A2C59511315	5WS40057
4S7Q9K546AG	Injector Lion V6 Euro 3 (nur Jaguar)	A2C59511315	5WS40057
4S7Q9L535AC	Injector Clamp	A2C59511320	5WS40246
4S7Q9M577AA	Washer	X11-800-002-002Z	
5U3Q9K546AA	Injector Lion V6 Euro 4	A2C59511316	5WS40103
6H4Q9B395BD	CR-pump	A2C59513481	5WS40254
6H4Q9B395BE	CR-pump	A2C59513481	5WS40254
6H4Q9B395BF	CR-pump	A2C59513481	5WS40254
6H4Q9B395BG	CR-pump	A2C59513481	5WS40254
6H4Q9D280AB	Rail left	A2C59513699	5WS40256
6H4Q9D280AC	Rail left	A2C59513699	5WS40256
6H4Q9D280BB	Rail right with HP-sensor	A2C59513512	5WS40255
6H4Q9K546DB	Injector	A2C59513596	5WS40253
6H4Q9K546EB	Injector 174°	A2C59513597	5WS40387
7H2Q9B395CC	CR-pump	A2C59513482	5WS40273
7H2Q9B395CD	CR-pump	A2C59513482	5WS40273
7H2Q9B395CE	CR-pump	A2C59513482	5WS40273
7H2Q9B395CF	CR-pump	A2C59513482	5WS40273
7H2Q9B395CG	CR-pump	A2C59513482	5WS40273
7H2Q9B395CH	CR-pump	A2C59513482	5WS40273
7H2Q9D280CD	Rail left with HP-sensor	A2C59513703	5WS40272
7H2Q9D280CE	Rail left with HP-sensor	A2C59513703	5WS40272
7H2Q9D280DD	Rail right	A2C59513702	5WS40271

7H2Q9D280DE	Rail right	A2C59513702	5WS40271
7H2Q9K546CB	Injector	A2C59513553	5WS40252
7T1Q9F593AB	Injector V227	A2C59511611	5WS40250
AV6Q9F593AA	CR INJECTOR DV6C	not released yet for IAM	5WS40677
BK3Q 9K546AC	Injector	not released yet for IAM	
LR004712	CR-pump	A2C59513482	5WS40273

## Jaguar

OE_Partnumber	Description	Ordernumber	Remarks
02C2C40185	CR-pump	A2C59511314	5WS40157
C2S21181	Washer	X11-800-002-002Z	
C2S24003	Injector Clamp	A2C59511320	5WS40246
C2S29876	Diverter rail	A2C59511317	5WS40128
C2S32276	Leakage-Clip	X11-800-001-002Z	
C2S40004	Injector Euro4	A2C59511316	5WS40103
C2S43326	Diverter rail	A2C59511317	5WS40128
JDE2458	Rail left	A2C59511318	5WS40129
JDE2459	Rail right	A2C59511319	5WS40130
JDE3099	CR-pump	A2C59511314	5WS40157
JDE4062	Rail left	A2C59511318	5WS40129
JDE4063	Rail right	A2C59511319	5WS40130
XR845127	Injector Euro 3 (only Jaguar)	A2C59511315	5WS40057
XR856939	Injector Euro 3 (only Jaguar)	A2C59511315	5WS40057

## Landrover

OE_Partnumber	Description	Ordernumber	Remarks
1489401	Injector	A2C59513553	5WS40252
6H4Q9D280BC	Rail right with HP-sensor	A2C59513512	5WS40255
6H4Q9K546DB	INJECTOR LION V8	A2C59513596	5WS40253
6H4Q9K546EB	INJECTOR LION V8 174	A2C59513597	5WS40387
LR004295	CR-pump	A2C59511314	5WS40157
LR005055	Rail left	A2C59513699	5WS40256
LR005056	Rail right with HP-sensor	A2C59513512	5WS40255
LR005057	CR-pump	A2C59513481	5WS40254
LR005549	CR-pump	A2C59513482	5WS40273
LR005551	Rail right	A2C59513702	5WS40271
LR005553	Rail left with HP-sensor	A2C59513703	5WS40272
LR006495	Injector (only Land Rover)	A2C59511364	5WS40249
LR006496	INJECTOR LION V6 UPGRADE	A2C59513553	5WS40252
LR006735	CR-pump	A2C59513481	5WS40254
LR009666	CR-pump	A2C59513482	5WS40273
LR009737	CR Pump LionV8	A2C59513481	5WS40254
LR009804	CR-pump	A2C59511314	5WS40157
LR017367	CR Pump LionV6 upgrade	A2C59513482	5WS40273
LR020018	Rail left	A2C59513699	5WS40256
LR020019	Rail right with HP-sensor	A2C59513512	5WS40255
LR020020	Rail left with HP-sensor	A2C59513703	5WS40272
LR020021	Rail right	A2C59513702	5WS40271

## PSA

OE_Partnumber	Description	Ordernumber	Remarks
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1570A9	Pipe Pump-Rail	5WS40003-Z	only for welded rails until 11/2004
1570C1	Pipe Cyl. 1+3	5WS40004-Z	only for welded rails until 11/2004
1570C2	Pipe Cyl. 2+4	5WS40005-Z	only for welded rails until 11/2004
1570F8	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
1570G0	Pipe Cyl. 1+3	5WS40042-Z	only for welded rails until 11/2004
1570G1	Pipe Cyl. 2+4	5WS40043-Z	only for welded rails until 11/2004
1570G8	Rail left	A2C59511318	5WS40129
1570G9	Rail right	A2C59511319	5WS40130
1570H4	Diverter rail	A2C59511317	5WS40128
1579KK	Leakage-Clip	X11-800-001-002Z	
1920CG	CR-Pump	5WS40018-Z	
1920EP	CR-pump	5WS40008-Z	
1920HJ	CR-pump	A2C59511314	5WS40157
1920KV	CR-pump	5WS40019-Z	
1920QH	CR-pump	5WS40019-Z	
1920QX	CR Pump DV6	not released yet for IAM	5WS40657
198090	Injector	n/a	replaced by 5WS40148-Z
1980C0	Injector	n/a	see: 9647247280
1980E6	Injector	n/a	replaced by 5WS40149-Z or 5WS40516/A2C59511612
1980E7	Injector Euro3	5WS40148-Z	
1980E8	Injector	n/a	see: 9647247280
1980F0	Injector	5WS40000-Z	
1980H1	Injector Euro4	A2C59511316	5WS40103
1980J1	Injector Euro4	5WS40149-Z	
1980J4	Injector Class 4	5WS40156-4Z	
1980J5	Injector Class 5	5WS40156-Z	
1980J9	Injector Class 7	A2C59513552	5WS40322-7
1980K0	Injector Class 8	not released yet for IAM	5WS40322-8
1980K5	Injector Class M	A2C59511602	5WS40200
1980K8	Injector Class M	A2C59511603	5WS40441
1980L0	Injector (Kyocera)	A2C59511612	5WS40516
1980R9	CR INJECTOR DV6C	not released yet for IAM	5WS40677
198165	Washer 2.5mm	X11-800-002-001Z	
198167	Washer	X11-800-002-002Z	
198169	Washer 2.9mm	A2C59511488	
1982A2	Leakage-Clip	X11-800-001-003Z	
1982A4	Leakage-Clip	X11-800-001-002Z	
1982C4	Leakage-Clip	X11-800-001-	

		001Z	
1982C6	Injector Clamp	A2C59511320	
30725188	CR-pump (Volvo new)	A2C59511600	5WS40380
9401982A43	Leakage-Clip	X11-800-001-002Z	
9401982C48	Leakage-Clip	X11-800-001-001Z	
9464644680	Leakage-Clip	X11-800-001-003Z	
9636673880	CR-Pump	5WS40018-Z	
9636675780	Pipe Cyl. 2+4	5WS40005-Z	only for welded rails until 11/2004
9636680280	Injector	5WS40000-Z	
9636818480	CR-pump	5WS40018-Z	
9636819380	Injector	5WS40000-Z	
9641852080	CR-Pump	5WS40008-Z	
964454048A	CR-Pump	5WS40019-Z	
9645834480	Pipe Pump-Rail	5WS40040-Z	only for welded rails until 11/2004
9645988580	Injector	n/a	replaced by 5WS40148-Z
9647247280	Injector	n/a	a) Class marking 4,5 or 6 => replace with 5WS40156 (same classification) b) without class marking => replace with 5WS40156 (class 5)
9648917080	Injector Euro4	A2C59511316	5WS40103
9649574480	Injector	n/a	replaced by 5WS40148-Z
9651590880	CR-Pump	5WS40008-Z	
9652173680	Injector	5WS40000-Z	
9652173780	Injector	5WS40000-Z	
9652175380	CR-Pump	5WS40018-Z	
9652175480	CR-pump	5WS40018-Z	
9652707180	Injector	n/a	replaced by 5WS40149-Z or 5WS40516/A2C59511612
9652763180	Injector DV E3	n/a	see 9649574480
9652763280	Injector	n/a	replaced by 5WS40148-Z
9653276480	Washer 2.5mm	X11-800-002-001Z	
9653969680	Rail left	A2C59511318	5WS40129
9653969780	Rail right	A2C59511319	5WS40130
9654091880	CR-pump	5WS40019-Z	
9654550980	Injector Euro4	5WS40149-Z	
9654551080	Injector Euro4	5WS40149-Z	
9654615580	CR-pump	5WS40163-Z	
9654862780	Washer 2.9mm	not released yet for IAM	
9655029880	CR-pump	A2C59511314	5WS40157
9655304780	Injector Euro3	5WS40148-Z	
9655304880	Injector Euro3	5WS40148-Z	
9655714780	Diverter rail	A2C59511317	5WS40128
9656322980	Washer	X11-800-002-002Z	
9657144580	Injector Class 4	5WS40156-4Z	
9657144580	Injector Class 5	5WS40156-Z	
9657144680	Injector Class 5	5WS40156-Z	
9657144780	Injector Class	5WS40156-Z	

	5		
9658176080	CR-pump	5WS40008-Z	
9658193780	CR-pump	5WS40163-Z	
9658193980	CR-pump	5WS40019-Z	
9658194180	Injector	A2C59511603	5WS40322
9658195080	CR-Pump	5WS40018-Z	
9658676080	Injector Clamp	A2C59511320	5WS40246
9659244280	Injector Class 5	5WS40156-Z	
9659337980	Injector	A2C59511602	5WS40200
9660334880	Injector Class 7 or 8	A2C59511603	can also be replaced by 5WS40322, but ECU calibration updated needed
9661683980	Injector Class 9	n/a	replaced by 5WS40156 (class 5 only)
9662021580	CR-pump (Volvo new)	A2C59511600	5WS40380
9663429280	Injector (Kyocera)	A2C59511612	5WS40516
9670652580	CR Pump DV6	not released yet for IAM	5WS40657
9674973080	CR INJECTOR DV6C	not released yet for IAM	5WS40677
9677247280	Injektor K06.02 DV4TD	n/a	see 9649574480
9681900980	CR-pump	5WS40019-Z	
9683023580	CR-pump	5WS40019-Z	
9683528780	CR-pump	5WS40008-Z	
9683623780	CR-pump	5WS40019-Z	
9683624080	CR-pump (Volvo new)	A2C59511600	5WS40380
9683627780	CR-pump	5WS40019-Z	
9683957280	CR INJECTOR DV6C	not released yet for IAM	5WS40677
9685440880	CR-pump	5WS40008-Z	
9685440880	CR-pump	5WS40008-Z	
9685704880	CR-pump	5WS40019-Z	
9685704880	CR-pump	5WS40019-Z	
9685705080	CR-pump (Volvo new)	A2C59511600	5WS40380
9688153080	CR-pump	5WS40019-Z	
9715135480	Injector	n/a	see 9652707180

## Renault

OE_Partnumber	Description	Ordernumber	Remarks
7701477442	Leakage-Clip	X11-800-001-002Z	
8200380253	Injector	A2C59511606	replaced by 8200842205
8200397346	Rail with HP-Sensor	A2C59511607	5WS40154
8200430599	CR-pump	A2C59511605	replaced by 8200 663 258
8200663258	CR-pump	A2C59511605	5WS40153
8200704200	CR-PUMPE K9K Eu5 RENAULT	not released yet for IAM	5WS40565
8200704200	CR Pumpe K9K Eu5	not released yet for IAM	5WS40565
8200704212	CR Rail Modul K9K Eu5	not released yet for IAM	5WS40440

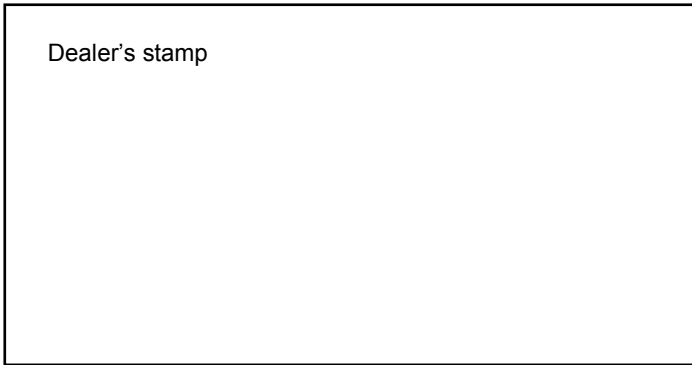
8200815617		n/a	
8200821184	CR-pump	A2C59511605	5WS40153
8200842205	Injector K9K	A2C59511606	
8200903034	CR Injector K9K Eu5	not released yet for IAM	5WS40536
8201041272	CR Injector	not released yet for IAM	

## Volvo

OE_Partnumber	Description	Ordernumber	Remarks
30725106	Injector	not released yet for IAM	5WS40518
31216456	Injector Class 6	A2C59511601	5WS40156-6
8603177	Injector	n/a	see: 9647247280
8603319	Injector	n/a	see: 9647247280
8603527	CR-pump	5WS40163-Z	
8603564	Injector Class 5	5WS40156-Z	
8603565	Injector Class 4	5WS40156-4Z	

## VW

OE_Partnumber	Description	Ordernumber	Remarks
03G130073D/...DX	VW EUI	not released yet for IAM	A2C20006580
03L130277B	Injektor	not released yet for IAM	5WS40539
03L130755B	CR-pump (Basis)	not released yet for IAM	5WS40601
03L130755E	CR-pump (Start & Stop)	not released yet for IAM	5WS40836



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Please note:

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