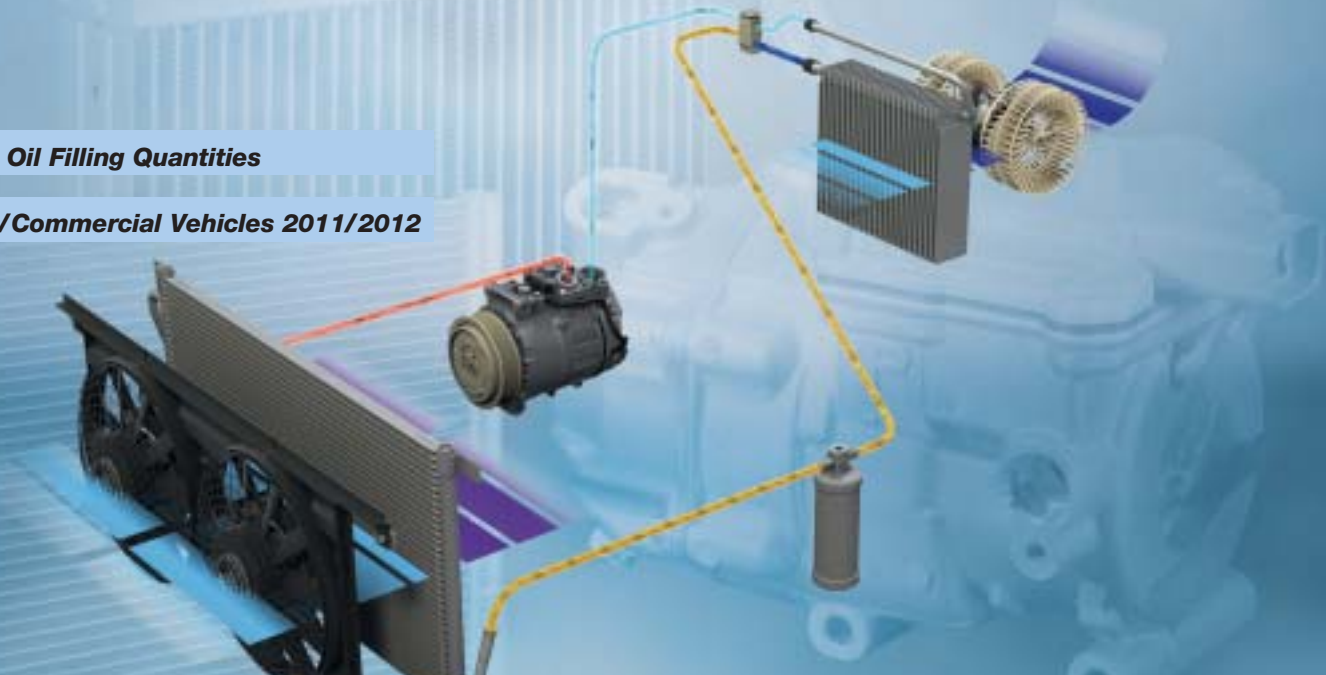


Refrigerant and Oil Filling Quantities

Passenger Cars/Commercial Vehicles 2011/2012



Symbols



Vehicle type (passenger cars + transporters)



Vehicle type (commercial vehicles)



Model year



Refrigerant type



Refrigerant quantity (g)



OE compressor oil type



Behr Hella Service compressor oil type



ml Oil filling quantity overall system (ml)
(If 'n.a.' - see Notes)

Safety precautions and notes

The information in the following tables has been compiled from vehicle manufacturers' specifications and is applicable only to original equipment air conditioning versions. All work on air-conditioning systems should only be carried out by specially trained staff taking the respective safety regulations and country-specific legislation into account.

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PAO-Oil 68 – Universal compressor oil

PAO-Oil 68 is an air conditioning compressor oil suitable for universal use, exclusively from Behr Hella Service.

In the past, garages have had to stock up with different oils for servicing air-conditioning systems.

This is no longer necessary thanks to **PAO-Oil 68**.

This high-grade multi-purpose synthetic oil has been developed for universal use in all passenger car and truck air-conditioning systems, as well as for use in air-conditioning systems in construction and agricultural machinery. **PAO-Oil 68** is suitable for all types of refrigerant and does not accumulate in evaporators and condensers, which often results in a reduction of cooling performance when other oils are used.

PAO-Oil 68 forms a thin film on the surface of the system component and ensures that the oil stays where it is needed for lubrication – in the compressor.

This makes a significant contribution to operational safety and noise reduction. **PAO-Oil 68** is extremely suitable for conversion from R12 to R134a refrigerant. Since **PAO-Oil 68** is compatible with all other lubricants, it suffices to drain the old compressor oil off during conversion.

PAO-Oil 68 has a very large operating range (-68 to 315 °C) and is non-hygroscopic, i.e. it does not absorb any water in contrast to other oils.

PAO-Oil 68 does not corrode fluororubber materials such as hoses or seals.

PAO-Oil 68 contributes to the improved performance of the air-conditioning system and is recommended by leading air-conditioning specialists.

PAO-Oil 68 – Universal compressor oil, PAO-Oil 68 Plus UV – Universal compressor oil with contrast agent

Use	Compressor type	Refrigerant	PAO-Oil type	PAO-Oil type Plus UV
Vehicle air-conditioning systems* Refrigerator trucks (fresh product vehicles) Refrigerator trucks (frozen product vehicles)	All types (except impeller type) Piston compressors Piston compressors	R134a, R413a, R22, R12 R134a, R507a, R500, R12 R507a, R502, R22	PAO-Oil 68 AA1 8FX 351 214-031 0.5 l 8FX 351 214-021 1.0 l 8FX 351 214-101 5.0 l 8FX 351 214-051 205 l	PAO-Oil 68 AA1 Plus UV 8FX 351 214-201 0.5 l 8FX 351 214-211 1.0 l 8FX 351 214-221 5.0 l 8FX 351 214-231 10.0 l
Vehicle air-conditioning systems* Refrigerator trucks (fresh product vehicles) Refrigerator trucks (frozen product vehicles)	All types (except impeller type) Piston compressors Piston compressors	R404a, R407c, R401b, R401c, R409a, R409b R404a, R407c, R409b R404a, R407c, R402a, R403a, R408a	PAO-Oil 68 AA2 8FX 351 214-061 1.0 l 8FX 351 214-071 5.0 l	PAO-Oil 68 AA2 Plus UV 8FX 351 214-261 1.0 l
Vehicle air-conditioning systems* <i>* Passenger cars, trucks, agricultural and construction machinery</i>	Impeller-type compressors	R134a, R413a	PAO-Oil 68 AA3 8FX 351 214-081 1.0 l	PAO-Oil 68 AA3 Plus UV 8FX 351 214-281 1.0 l

Use Behr Hella Service – compressor oils

PAG oils are divided into the following viscosity classes

PAG ISO 46	low viscosity	Behr Hella Service part. no.:	8FX 351 213-031	240 ml
PAG ISO 100	medium to high viscosity	Behr Hella Service part. no.:	8FX 351 213-051	240 ml
PAG ISO 150	ultra-high viscosity	Behr Hella Service part. no.:	8FX 351 213-041	240 ml








Which type of compressor oil to use depends on the compressor type and refrigerant selected.
The wrong selection can lead to damage.
Vehicle or manufacturer-specific instructions must be followed carefully.








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Renault	81
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
						
Alfa Romeo						
145/146 1.3/1.4/1.6/1.7	1994-97	R134a	700	SP10	PAO 68 or PAG ISO 46	225-255
145/146 Twin Spark	1996-00	R134a	700	Dens Oil 9	PAO 68 or PAG ISO 100	130-150
145/146 D-Turbo	1994-00	R134a	700	UCON RL 488	PAO 68 or PAG ISO 150	221-251
145/146 1.9 JTD	1998-00	R134a	700	SP20	PAO 68 or PAG ISO 100	135
147 1.6i/1.9JTD/2.0i/1.9JTD 16V/3.2i	2001-10	R134a	550	PAG	PAO 68 or PAG ISO 46	135
155	1994-97	R134a	700	SP10	PAO 68 or PAG ISO 46	225-255
155 1.6/1.8/2.0 16V	1995-97	R134a	700	Dens Oil 8	PAO 68 or PAG ISO 46	260-320
155 1.9 Diesel	1993-97	R134a	700	UCON RL 488	PAO 68 or PAG ISO 150	236
156	1997-02	R134a	650	SP20	PAO 68 or PAG ISO 100	130
156 1.9 JTD	1997-02	R134a	650	SP20	PAO 68 or PAG ISO 100	130
156 2.4 JTD	1997-02	R134a	650	Dens Oil 9	PAO 68 or PAG ISO 100	150
156 Facelift	2002-09	R134a	500	SP10	PAO 68 or PAG ISO 46	130
156 Facelift 2.4 JTD 20V	2003-06	R134a	550	Dens Oil 9	PAO 68 or PAG ISO 100	150
156 Facelift 2.4 JTD	2002-03	R134a	500	Dens Oil 9	PAO 68 or PAG ISO 100	150
159	2005-	R134a	460	PAG	PAO 68 or PAG ISO 46	130
159	2005-	R134a	550	ZXL 100 PG	PAO 68 or PAG ISO 46	130
164	1994-98	R134a	1200	Sanden E13 M6	PAO 68	120-150
166	1998-01	R134a	700	SP10	PAO 68 or PAG ISO 46	135
166	2001-2009	R134a	650	SP10	PAO 68 or PAG ISO 46	135
Brera	2006-	R134a	550	PAG	PAO 68 or PAG ISO 46	130
GT	2004-10	R134a	550	SP10	PAO 68 or PAG ISO 46	130
GT Coupe 1.9 JTD	2003-06	R134a	600	PAG	PAO 68	n.a.








						
Alfa Romeo						
GTV 3.0 V6 24V	1997-06.99	R134a	650-750	SP10	PAO 68 or PAG ISO 46	230-250
GTV 3.0 V6 24V	06.99-04	R134a	550-600	SP10	PAO 68 or PAG ISO 46	230-250
Mito	2008-	R134a	450	PAG	PAO 68 or PAG ISO 46	130
Spider	2006-	R134a	460	ZXL100PG	PAO 68 or PAG ISO 46	130
Spider/GTV 1.8	1998-06.99	R134a	650-700	SP10	PAO 68 or PAG ISO 46	260-320
Spider/GTV 1.8	06.99-01	R134a	550-600	SP10	PAO 68 or PAG ISO 46	260-320
Spider/GTV 2.0	1996-06.99	R134a	650-750	Dens Oil 9	PAO 68 or PAG ISO 100	260-320
Spider/GTV 2.0	06.99-03	R134a	550-600	Dens Oil 9	PAO 68 or PAG ISO 100	260-320
Spider 3.0 V6/GTV 2.0 Turbo	1996-06.99	R134a	650-750	SP10	PAO 68 or PAG ISO 46	225-255
Spider 3.0 V6/GTV 2.0 Turbo	06.99-01	R134a	550-600	SP10	PAO 68 or PAG ISO 46	225-255
Aston Martin						
DB7 Vantage 3.2	1994-04	R134a	870-930	PAG	PAO 68	n.a.
Audi						
80	10.92-95	R134a	650-700	G052 154 A2	PAO 68 or PAG ISO 46	250-300
80 2.3	10.92-94	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
100/A6/S4/S6 - Zexel compressor	10.92-97	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor	10.92-97	R134a	750-800	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A2 1.2TDI/1.4i/1.4TDI/1.6FSI	2000-01	R134a	500-550	PAG	PAO 68 or PAG ISO 46	170-190
A2 1.2TDI/1.4i/1.4TDI/1.6FSI	2001-06	R134a	480-530	PAG	PAO 68 or PAG ISO 46	170-190
A3 (8L1)	1996-03	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	120-150








						
Audi						
A3 (8P1) 1.6i/1.6FSI/1.9TDI/2.0FSI/2.0TDI/3.2i	05.03-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	170-190
Sanden PXE 16 compressor	05.03-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	100-120
A4/S4 - Zexel compressor	94-11.97	R134a	650-700	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor	94-11.97	R134a	650-700	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A4/S4 - Zexel compressor; Showa condenser	11.97-00	R134a	700-750	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor; Showa condenser	11.97-00	R134a	700-750	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A4/S4 - Zexel compressor; AWG condenser	11.98-12.98	R134a	550-600	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor; AWG condenser	11.98-12.98	R134a	550-600	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A4 (8E, B6) Petrol	11.00-11.04	R134a	480-530	PAG	PAO 68 or PAG ISO 46	170-190
A4 (8E, B6) Diesel	11.00-11.04	R134a	480-530	G052 300 A2	PAO 68 or PAG ISO 46	180
A4 (8EC, 8ED)	11.04-	R134a	450-550	G052 300 A2	PAO 68 or PAG ISO 46	n.a.
A4 (8K) compressor: Denso 6SEU14+7SEU17	2007-	R134a	600	PAG	PAO 68 or PAG ISO 46	150
A5/ A5 Cabrio compressor: Denso 6SEU14+7SEU17	2007-	R134a	600	PAG	PAO 68 or PAG ISO 46	150
A6 - Zexel compressor	97-11.97	R134a	800-850	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor	97-11.97	R134a	800-850	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A6 - Zexel compressor	11.97-08.98	R134a	850-900	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor	11.97-08.98	R134a	850-900	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A6 - Zexel compressor (e*)	08.98-04.99	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor (e*)	08.98-04.99	R134a	750-800	G052 300 A2	PAO 68 or PAG ISO 46	250-300
A6 - Zexel compressor (3*)	10.98-12.98	R134a	550-600	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor (3*)	10.98-12.98	R134a	550-600	G052 300 A2	PAO 68 or PAG ISO 46	250-300








						
Audi						
Cabrio	10.92-00	R134a	650-700	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Cabrio 2.3	10.92-94	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Coupé	10.92-96	R134a	650-700	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Coupé 2.3	10.92-94	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Coupé S2 - Zexel compressor	10.92-00	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	250-300
Denso compressor	10.92-00	R134a	750-800	G052 300 A2	PAO 68 or PAG ISO 46	250-30
Q5 compressor: Denso 6SEU14+7SEU17	2008-	R134a	600	PAG	PAO 68 or PAG ISO 46	150
Q7 4.2FSI/3.0TDI/3.6FSI/4.2TDI	2005-	R134a	700-750	Dens Oil 8	PAO 68 or PAG ISO 46	130-160
With air conditioning at the rear	2005-	R134a	1050-1100	Dens Oil 8	PAO 68 or PAG ISO 46	230-260
R8 compressor: Denso 7SEU17 throttle valve: red	2007-	R134a	650	PAG	PAO 68 or PAG ISO 46	150
TT (8N)	1998-06	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	120-150
TT (8J)	2006-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	80-100
Delphi compressor	2006-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	100-120
V8	10.92-93	R134a	850-900	G052 154 A2	PAO 68 or PAG ISO 46	250-300
BMW						
1-Series (E87) 116i/118i/120i/118d/120d engine: N45/N46/M47	2004-07	R134a	485-515	PAG	PAO 68 or PAG ISO 46	n.a.
1-Series (E87) 116i/ 118i/ 120i engine: N45/N46	2007-	R134a	500	81 229 407 724	PAO 68 or PAG ISO 46	n.a.
1-Series (E87) 120i/ 125i/ 130i/ 135i engine: N43/N52/N54	2007-	R134a	590	81 229 407 724	PAO 68 or PAG ISO 46	n.a.
1-Series (E87) 118d/ 120d 123d engine: N47	2007-	R134a	590	81 229 407 724	PAO 68 or PAG ISO 46	n.a.
3-Series (E30)	1992-93	R134a	775-825	81 229 407 724	PAO 68 or PAG ISO 46	160








						
BMW						
3-Series (E36) - Denso compressor (1*)	1993-00	R134a	975-1025	81 229 407 724	PAO 68 or PAG ISO 46	100-140
Denso compressor (2*)	1993-00	R134a	800-850	81 229 407 724	PAO 68 or PAG ISO 46	100-140
Seiko compressor (1*)	1993-00	R134a	975-1025	PAG	PAO 68 or PAG ISO 100	140-160
Seiko compressor (2*)	1993-00	R134a	800-850	PAG	PAO 68 or PAG ISO 100	140-160
3-Series (E46) Petrol engine: M43/M43TU/M52/M54/N40/N42/S54	1998-05	R134a	715-765	PAG	PAO 68 or PAG ISO 46	150
3-Series (E46) Diesel engine: M47/M47TU/M57	2001-05	R134a	670-690	PAG	PAO 68 or PAG ISO 46	150
3-Series (E90/E91/E92/E93)	2005-10	R134a	580-600	PAG	PAO 68	n.a.
5-Series (E34) - Denso compressor (1*)	1993-96	R134a	1525-1575	81 229 407 724	PAO 68 or PAG ISO 46	160-190
Denso compressor (2*)	1993-96	R134a	1450	81 229 407 724	PAO 68 or PAG ISO 46	160-190
Seiko compressor (1*)	1993-96	R134a	1525-1575	PAG	PAO 68 or PAG ISO 100	180-190
Seiko compressor (2*)	1993-96	R134a	1450	PAG	PAO 68 or PAG ISO 100	180-190
5-Series (E39) - Seiko compressor	96-09.98	R134a	1200-1250	PAG	PAO 68 or PAG ISO 100	145-175
5-Series (E39) - Seiko compressor	09.98-03	R134a	740-760	PAG	PAO 68 or PAG ISO 100	145-175
525td/tds (E39) - Seiko compressor	96-09.98	R134a	1185-1235	PAG	PAO 68 or PAG ISO 100	145-175
525td/tds (E39) - Seiko compressor	09.98-03	R134a	1290-1310	PAG	PAO 68 or PAG ISO 100	145-175
530d (E39) - Seiko compressor	1998-03	R134a	670-690	PAG	PAO 68 or PAG ISO 100	145-175
5-Series (E60/61) 520i/523i/525i/530i/535i/540i/545i/550i/M5	07.2003-10	R134a	800-820	PAG	PAO 68	180
5-Series (E60/61) 520d/525d/530d/535d	07.2003-10	R134a	690-710	PAG	PAO 68	180
6-Series (E63/E64) 630i/645Ci/650i engine: N52/N62	01.04-09	R134a	800-820	PAG	PAO 68	180








						
BMW						
7-Series (E32) - Denso compressor	1993-94	R134a	1525-1575	81 229 407 724	PAO 68 or PAG ISO 46	160-190
Seiko compressor	1993-94	R134a	1525-1575	PAG	PAO 68 or PAG ISO 100	160-200
Denso compressor with air conditioning at the rear	1993-94	R134a	1675-1725	81 229 407 724	PAO 68 or PAG ISO 46	180-210
Seiko compressor with air conditioning at the rear	1993-94	R134a	1675-1725	PAG	PAO 68 or PAG ISO 100	160-200
7-Series (E38) - Seiko compressor	94-09.98	R134a	1185-1235	PAG	PAO 68 or PAG ISO 100	130-190
7-Series (E38) - Seiko compressor	09.98-01	R134a	670-690	PAG	PAO 68 or PAG ISO 100	130-190
750 L7 (E38) - Seiko compressor	1994-01	R134a	1245-1295	PAG	PAO 68 or PAG ISO 100	130-190
Seiko compressor with air conditioning at the rear	1994-01	R134a	1375-1425	PAG	PAO 68 or PAG ISO 100	130-190
725 tds (E38) - Seiko compressor	1996-01	R134a	1185-1235	PAG	PAO 68 or PAG ISO 100	130-190
7-Series (E65/E66)	2002-05	R134a	800-820	81 229 407 724	PAO 68 or PAG ISO 46	n.a.
7-Series (E65/E66)	07.2005-08	R134a	810	81 229 407 724	PAO 68 or PAG ISO 46	180
8-Series (E31) - Denso compressor	1993-99	R134a	1525-1575	81 229 407 724	PAO 68 or PAG ISO 46	160-190
Seiko compressor	1993-99	R134a	1525-1575	PAG	PAO 68 or PAG ISO 100	160-200
X3 (E83) 2.0d/3.0d engine: M47T2/M57TU	2004-10	R134a	670-690	PAG	PAO 68 or PAG ISO 100	n.a.
X3 (E83) 2.0i/2.5i/3.0i engine: M54/N46/N52K	2004-10	R134a	730-750	PAG	PAO 68 or PAG ISO 100	n.a.
X3 (E83) 2.0d (N47)	2007-	R134a	690-710	PAG	PAO 68 or PAG ISO 100	n.a.
X5 (E53)	2000-07	R134a	430-450	PAG	PAO 68 or PAG ISO 100	n.a.
X5 (E70) 3.0d/3.0Sd/3.0Si/4.8i (M57T2/N52K/N62TU)	2007-	R134a	690-710	PAG	PAO 68 or PAG ISO 100	150
X6 (E71) 3.0dx/3.5dx/3.5ix/5.0ix (M57T2/N54/N63)	2008-	R134a	690-710	PAG	PAO 68 or PAG ISO 100	150








						
BMW						
Z3 - Denso compressor (1*)	1997-03	R134a	975-1025	81 229 407 724	PAO 68 or PAG ISO 46	100-140
Denso compressor (2*)	1997-03	R134a	800-850	81 229 407 724	PAO 68 or PAG ISO 46	100-140
Seiko compressor (1*)	1997-03	R134a	975-1025	PAG	PAO 68 or PAG ISO 100	140-160
Seiko compressor (2*)	1997-03	R134a	800-850	PAG	PAO 68 or PAG ISO 100	140-160
Z4 (E85)	2003-05	R134a	730-750	PAG	PAO 68	n.a.
Z8 (S62)	2000-04	R134a	685-735	PAG	PAO 68	n.a.
Mini One/Cooper/Cooper S (R50/53)	2001-09	R134a	405-425	PAG	PAO 68	n.a.
Mini / Mini Clubman (R56/57, R55)	2007-	R134a	490	81 229 407 724	PAO 68 or PAG ISO 46	n.a.
Cadillac						
CTS 2.8iV6 / 3.6iV6 (LY7)	2005-08	R134a	590	PAG	PAO 68 or PAG ISO 46	140
CTS 2.8iV6 / 3.6iV6 (LLT)	2008-	R134a	550	PAG	PAO 68 or PAG ISO 46	110
SRX 3.6iV6 / 4.6iV8	2004-10	R134a	570	PAG	PAO 68 or PAG ISO 46	180
with air conditioning at the rear	2004-10	R134a	800	PAG	PAO 68 or PAG ISO 46	180
Chevrolet						
Aveo/Kalos (LHD) GM/Delphi/Harrison V5	05.2005-	R134a	520	UCON RL 488	PAO 68 or PAG ISO 150	200
Aveo/Kalos (RHD) GM/Delphi/Harrison V5	05.2005-	R134a	570	UCON RL 488	PAO 68 or PAG ISO 150	200
Aveo/Kalos (LHD) Delphi SP10 compressor	05.2005-	R134a	520	PAG	PAO 68	150
Aveo/Kalos (RHD) Delphi SP10 compressor	05.2005-	R134a	570	PAG	PAO 68	150
Captiva (LHD) 2.4i/3.2iV6	2007-	R134a	660	RL897/EOIV	PAO 68 or PAG ISO 61	150
Captiva (LHD) 2.0 Diesel	2007-	R134a	520	RL897/EOIV	PAO 68 or PAG ISO 61	150








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Chevrolet						
Epica (LHD)	2008-	R134a	820	PAG	PAO 68	220
Epica (RHD)	2008-	R134a	880	PAG	PAO 68	220
Lacetti/Nubira (LHD)	2005-	R134a	670	PAG	PAO 68	175
Lacetti/Nubira (RHD)	2005-	R134a	670	PAG	PAO 68	175
Spark (LHD)	2008-	R134a	330	PAG	PAO 68	110
Spark (RHD)	2008-	R134a	380	PAG	PAO 68	110
Chrysler						
300 C	2004-06	R134a	740	ND 8	PAO 68 or PAG ISO 46	180
300 M 2.7i/3.5i	1998-04	R134a	710	PAG	PAO 68	n.a.
Cherokee	1994-96	R134a	900	SP20	PAO 68 or PAG ISO 100	240
Cherokee	1997-00	R134a	567	SP20	PAO 68 or PAG ISO 100	240
Grand Cherokee	1993-96	R134a	795	Dens Oil 8	PAO 68 or PAG ISO 46	230
Grand Cherokee	1997-99	R134a	737-800	Dens Oil 8	PAO 68 or PAG ISO 46	220-230
Grand Cherokee (WJ/WG) Diesel	1999-05	R134a	750	ND 8	PAO 68 or PAG ISO 46	n.a.
Grand Cherokee (WH)	2005-	R134a	680	ND 8	PAO 68 or PAG ISO 46	130
Commander 3.0DCRD	2006-	R134a	680	Dens Oil 8	PAO 68 or PAG ISO 46	150
With air conditioning at the rear	2006-	R134a	960	Dens Oil 8	PAO 68 or PAG ISO 46	220
Crossfire/Crossfire Roadster	2003-09	R134a	850	SP15	PAO 68 or PAG ISO 46	130
Neon	1995-99	R134a	821	Dens Oil 8	PAO 68 or PAG ISO 46	140
Neon II	08.99-06	R134a	850	ND 8	PAO 68 or PAG ISO 46	200
PT Cruiser Petrol	2000-2002	R134a	710	Dens Oil 8	PAO 68 or PAG ISO 46	160








						
Chrysler						
PT Cruiser Petrol	2002-2003	R134a	850	Dens Oil 8	PAO 68 or PAG ISO 46	180
PT Cruiser Diesel	2002	R134a	595	Dens Oil 8	PAO 68 or PAG ISO 46	180
PT Cruiser Diesel	2004-09	R134a	510	Dens Oil 8	PAO 68 or PAG ISO 46	180
Sebring	2001-04	R134a	640	PAG	PAO 68	n.a.
Sebring 2.4Turbo	2001-04	R134a	500	PAG	PAO 68	n.a.
Stratus 2.0i/ 2.5i	1994-2001	R134a	800	SP10	PAO 68 or PAG ISO 46	210
Voyager	1994-00	R134a	960	Dens Oil 8	PAO 68 or PAG ISO 46	150
With air conditioning at the rear	1994-00	R134a	1360	Dens Oil 8	PAO 68 or PAG ISO 46	220
Voyager (RG) Petrol	2001-03	R134a	960	PAG	PAO 68	n.a.
Voyager (RG) Petrol with air conditioning at the rear	2001-03	R134a	1310	PAG	PAO 68	n.a.
Voyager (RG) Diesel	2001-03	R134a	910	PAG	PAO 68	n.a.
Voyager (RG) Petrol	2003-06	R134a	880	PAG	PAO 68	n.a.
Voyager (RG) Petrol with air conditioning at the rear	2003-06	R134a	1220	PAG	PAO 68	n.a.
Voyager (RG) Diesel	2003-06	R134a	790	PAG	PAO 68	n.a.
Grand Voyager 2.8CRD	2008-	R134a	820	PAG	PAO 68	n.a.
With air conditioning at the rear	2008-	R134a	1150	PAG	PAO 68	n.a.
Wrangler	1994-96	R134a	900	SP20	PAO 68 or PAG ISO 100	240
Wrangler (TJ)	1996-06	R134a	565	ND8	PAO 68 or PAG ISO 46	240
Citroën						
AX	1994-97	R134a	600-650	SP20	PAO 68 or PAG ISO 100	135
Berlingo	1996-02	R134a	850-900	SP10	PAO 68 or PAG ISO 46	135








						
Citroën						
Berlingo	2003-08	R134a	575	SP10	PAO 68 or PAG ISO 46	135
Berlingo (B9)	2008-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
C1 1.0i	2005-10	R134a	420-480	ZXL200PG	PAO 68 or PAG ISO 100	80
C1 1.4HDI	2005-10	R134a	470-530	ZXL200PG	PAO 68 or PAG ISO 100	80
C2 up to orga no.: 10041	2003-	R134a	625	SP10	PAO 68 or PAG ISO 46	135
C2 from orga no.: 10042 (Europe)	2003-	R134a	500	SP10	PAO 68 or PAG ISO 46	135
C3 up to orga. no.: 10041	2002-10	R134a	625	SP10	PAO 68 or PAG ISO 46	135
C3 from orga no.: 10042 (Europe)	2002-10	R134a	500	SP10	PAO 68 or PAG ISO 46	135
C4 1.4i/1.6i/2.0i/1.6HDI/2.0HDI	2004-10	R134a	425-475	SP10	PAO 68 or PAG ISO 46	135
C5 1.8i/2.0i/3.0i	2001-04	R134a	650-700	SP10	PAO 68 or PAG ISO 46	135
C5 2.0D HDi	2001-04	R134a	650-700	Planetelf PAG 488	PAO 68 or PAG ISO 150	265
C5 II	2004-10	R134a	625	SP10	PAO 68 or PAG ISO 46	135
C5 II 2.2 HDi (DW12B) / 2.7HDI	2006-2008	R134a	525	SP10	PAO 68 or PAG ISO 46	135
C6 2.7 HDi/2.2 HDi	2005-09	R134a	525	SP10	PAO 68 or PAG ISO 46	135
C6 3.0iV6	2005-09	R134a	625	SP10	PAO 68 or PAG ISO 46	135
C8 2.0HDI/2.2HDI	2002-10	R134a	540	SP10	PAO 68 or PAG ISO 46	120-150
C8 2.0i/3.0i/2.2i	2002-	R134a	675	SP10	PAO 68 or PAG ISO 46	135
C15 1.4i	2002-	R134a	675	PAG	PAO 68	135
C-Crosser	2007-	R134a	500	PAG	PAO 68 or PAG ISO 46	80
Dispatch/Jumpy	1995-05	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Jumper/Relay II (244) 2.0i/2.0DHDI/2.2DHDI/2.8DHDI	04.2002-06	R134a	800	SP20	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	04.2002-06	R134a	1000	SP20	PAO 68 or PAG ISO 100	160








						
Citroën						
Jumper/Relay III 2.0DHDi/3.0DHDi	04.2006-	R134a	550	SP10	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	04.2006-	R134a	950	SP10	PAO 68 or PAG ISO 46	220
Jumpy 1.6DHDi/2.0DHDi	01.2007-	R134a	540	SP10	PAO 68 or PAG ISO 46	135
With air conditioning at the rear, short wheelbase	01.2007-	R134a	850	SP10	PAO 68 or PAG ISO 46	160
With air conditioning at the rear, long wheelbase	01.2007-	R134a	950	SP10	PAO 68 or PAG ISO 46	160
Jumpy 2.0i	01.2007-	R134a	675	SP10	PAO 68 or PAG ISO 46	135
With air conditioning at the rear, short wheelbase	01.2007-	R134a	950	SP10	PAO 68 or PAG ISO 46	160
With air conditioning at the rear, long wheelbase	01.2007-	R134a	1075	SP10	PAO 68 or PAG ISO 46	160
Nemo	2008-	R134a	500	SP10	PAO 68 or PAG ISO 46	135
Relay/Jumper	94-09.96	R134a	950-1050	SP20	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	94-09.96	R134a	1150-1250	SP20	PAO 68 or PAG ISO 100	135
Relay/Jumper	10.96-02	R134a	750-850	SP20	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	10.96-02	R134a	950-1050	SP20	PAO 68 or PAG ISO 100	135
Saxo	96-03.96	R134a	575-625	SP10	PAO 68 or PAG ISO 46	135
Saxo	04.96-00	R134a	750-800	SP10	PAO 68 or PAG ISO 46	135
Synergie/Evasion	1994-00	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Xantia - Sanden compressor SD 7H 15	1993-00	R134a	750-800	SP20	PAO 68 or PAG ISO 100	135
Sanden compressor SD 7V 16 (3*)	1993-00	R134a	850-900	SP10	PAO 68 or PAG ISO 46	135
Sanden compressor SD 7V 16 (4*)	1993-00	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Xantia 3.0	1997-00	R134a	725	SP10	PAO 68 or PAG ISO 46	135
Xantia 1.9D/1.9D Turbo	02.96-00	R134a	800-850	UCON RL 488	PAO 68 or PAG ISO 150	250-280
XM 2.0	10.93-96	R134a	700-750	SP20	PAO 68 or PAG ISO 100	135








						
Citroën						
XM 2.0	1996-00	R134a	700-750	SP10	PAO 68 or PAG ISO 46	135
XM V6	10.93-00	R134a	700-750	SP10	PAO 68 or PAG ISO 46	135
XM 2.1/2.2 Diesel	10.93-96	R134a	700-750	SP20	PAO 68 or PAG ISO 100	135
XM 2.1/2.2 Diesel	1996-00	R134a	700-750	SP10	PAO 68 or PAG ISO 46	135
XM 2.5 Diesel	1994-96	R134a	800-850	SP20	PAO 68 or PAG ISO 100	135
XM 2.5 Diesel	1996-00	R134a	800-850	SP10	PAO 68 or PAG ISO 46	135
Xsara Petrol	1997-00	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Xsara Diesel	1997-00	R134a	850-900	SP10	PAO 68 or PAG ISO 46	120-150
Xsara 1.6i/2.0i/2.0HDi (RHY)	2000-06	R134a	540-590	SP10	PAO 68 or PAG ISO 46	135
Xsara 2.0HDi (RHZ)	2000-06	R134a	540-590	SP10	PAO 68 or PAG ISO 46	250-280
Xsara Picasso	1999-00	R134a	625-725	SP10	PAO 68 or PAG ISO 46	135
ZX	1993-98	R134a	900-950	SP20	PAO 68 or PAG ISO 100	135
Dacia						
Logan / Logan MCV / Logan Van / Logan Pick-Up	2005-	R134a	780	PAG SP10	PAO 68 or PAG ISO 46	135
Sandero	2008-	R134a	475	SP10	PAO 68 or PAG ISO 46	135
Daewoo						
Espero	1995-97	R134a	710-750	PAG	PAO 68 or PAG ISO 150	240
Evanda	2002-07	R134a	710-750	PAG	PAO 68 or PAG ISO 150	265
Kalos (LHD) Delphi/Harrison V5	2002-07	R134a	580-620	PAG	PAO 68 or PAG ISO 150	220
Kalos (RHD) Delphi/Harrison V5	2002-07	R134a	630-670	PAG	PAO 68 or PAG ISO 150	220








						
Daewoo						
Korando	1999-03	R134a	650-750	ZXL 200 PG	PAO 68 or PAG ISO 100	n.a.
Lanos	1997-09.98	R134a	700-740	PAG	PAO 68 or PAG ISO 150	265
Lanos	10.98-01	R134a	700-740	PAG	PAO 68 or PAG ISO 150	265
Lanos	2001-03	R134a	700-740	PAG	PAO 68	220
Leganza	1997-03	R134a	810-850	PAG	PAO 68 or PAG ISO 150	265
Matiz	1998-05	R134a	500-550	PAG RL 244	PAO 68 or PAG ISO 46	150
Matiz (LHD)	2005-08	R134a	330	PAG	PAO 68	110
Matiz (RHD)	2005-08	R134a	380	PAG	PAO 68	110
Musso	1999-03	R134a	650-750	ZXL 200 PG	PAO 68 or PAG ISO 100	n.a.
Nexia	1995-97	R134a	710-750	PAG	PAO 68 or PAG ISO 150	240
Nubira	1997-10.98	R134a	730-770	PAG	PAO 68 or PAG ISO 150	265
Nubira	11.98-03	R134a	730-770	PAG	PAO 68 or PAG ISO 150	265
Nubira (J200, J150, J190)	2003-05	R134a	660-700	PAG RL 488	PAO 68 or PAG ISO 150	220
Nubira (LHD)	2005-07	R134a	620-660	UCON RL 488	PAO 68 or PAG ISO 150	180
Nubira (RHD)	2005-07	R134a	670-710	UCON RL 488	PAO 68 or PAG ISO 150	180
Rezzo (LHD)	2000-04	R134a	730-770	PAG	PAO 68	220
Rezzo (RHD)	2000-04	R134a	800-840	PAG	PAO 68	220
Daihatsu						
Applause (A101)	1993-07.97	R134a	500-600	PAG	PAO 68	n.a.
Applause (A101)	08.97-03	R134a	420-480	PAG	PAO 68	n.a.
Charade (G200)	1993-03	R134a	600-700	PAG	PAO 68	n.a.








						
Daihatsu						
Copen	09.03-	R134a	320-380	PAG	PAO 68	n.a.
Cuore (L701)	10.98-03	R134a	350-410	PAG	PAO 68	n.a.
Cuore VII (L251)	2003-07	R134a	350-410	PAG	PAO 68	n.a.
Cuore VIII	04.2007-	R134a	300	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Feroza (F300)	1993-03	R134a	500-600	PAG	PAO 68	n.a.
Grand Move (G303)	1996-98	R134a	500-600	PAG	PAO 68	n.a.
Grand Move (G301)	05.98-03	R134a	370-430	PAG	PAO 68	n.a.
Materia (M4) 1.3i	10.2006-	R134a	350	PAG	PAO 68	70
Move (L901)	10.96-03	R134a	350-410	PAG	PAO 68	n.a.
Rocky (F73/78)	1993-03	R134a	500-600	PAG	PAO 68	n.a.
Sirion (M100)	1998-08.00	R134a	380-420	PAG	PAO 68	n.a.
Sirion (M110, M111) EJ-engine	09.00-05	R134a	350-410	PAG	PAO 68	n.a.
Sirion (M101, M111) K3-engine	09.00-05	R134a	310-370	PAG	PAO 68	n.a.
Sirion (M3)	01.05-	R134a	270-330	PAG	PAO 68	n.a.
Terios (J100)	10.97-08.98	R134a	550-650	PAG	PAO 68	n.a.
Terios (J100, J102)	09.98-05	R134a	370-430	PAG	PAO 68	n.a.
Terios (J2) (LHD) 1.3i/1.5i	11.2005-	R134a	350	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Terios (J2) (RHD) 1.3i/1.5i	11.2005-	R134a	300	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Trevis	06.2006-	R134a	300	PAG	PAO 68	n.a.
YRV (M201, M211)	2001-07	R134a	350-410	PAG	PAO 68	n.a.








						
Dodge						
Caliber	2006-	R134a	510	Dens Oil 8	PAO 68 or PAG ISO 46	120
Fiat						
500	10.2007-	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	80
Barchetta	1996-06	R134a	600	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Bravo/Brava - Denso compressor	1995-00	R134a	600-650	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Harrison compressor V5	1995-00	R134a	600-650	UCON RL 488	PAO 68 or PAG ISO 150	236
Bravo/Brava 1.9 JTD	1998-00	R134a	625-675	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Bravo	04.2007-	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	130
Cinquecento	1991-97	R134a	700	PAG	PAO 68 or PAG ISO 46	100
Cinquecento Sporting	1994-98	R134a	550	PAG	PAO 68 or PAG ISO 46	100
Coupé 1.8	1996-00	R134a	740	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Coupé 16V	1994-97	R134a	720-745	SP20	PAO 68 or PAG ISO 100	135
Coupé 20V/20V Turbo	1996-01	R134a	500	Dens Oil 9	PAO 68 or PAG ISO 100	130-170
Croma	1994-97	R134a	1100	Sanden E13 M6	PAO 68 or PAG ISO 100	135
Croma 2.2i	2005-	R134a	700-760	SP10	PAO 68 or PAG ISO 46	105-135
Croma 1.9JTD/1.9JTD16V	2005-	R134a	700-760	SP10	PAO 68 or PAG ISO 46	120-150
Doblo 1.2i/1.6i/1.4i	2001-10	R134a	600	PAG	PAO 68 or PAG ISO 46	130
Doblo 1.9JTD/1.3JTD	2002-10	R134a	600	Dens Oil 8	PAO 68 or PAG ISO 46	130
Ducato/Talento	1994-02	R134a	800-900	PAG	PAO 68 or PAG ISO 100	120-150
With air conditioning at the rear	1994-02	R134a	950-1050	PAG	PAO 68 or PAG ISO 100	120-150








						
Fiat						
Ducato (244)	2002-06	R134a	875-925	SP20	PAO 68 or PAG ISO 100	n.a.
With air conditioning at the rear	2002-06	R134a	975-1025	SP20	PAO 68 or PAG ISO 100	n.a.
Ducato (244) Panorama	2002-06	R134a	775-825	SP20	PAO 68 or PAG ISO 100	n.a.
Ducato 2.2D/2.3D/3.0D	07.2006-	R134a	550	SP10	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	07.2006-	R134a	950	SP10	PAO 68 or PAG ISO 46	220
Fiorino	1997-00	R134a	n.a.	UCON RL 244	PAO 68	140-160
Fiorino	2008-	R134a	500	PAG	PAO 68 or PAG ISO 46	130
Grande Punto (199) 1.2i/1.4i/1.3D/1.9D	10.2005-	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	130
Idea 1.3JTD/1.4i/1.9JTD/1.2i	2004-10	R134a	470-530	PAG	PAO 68 or PAG ISO 46	130
Linea 1.4i / 1.4i16V / 1.3 D Multijet	2007-	R134a	500	ND8	PAO 68 or PAG ISO 46	130
Linea 1.6 D Multijet	2007-	R134a	460	ND8	PAO 68 or PAG ISO 46	130
Marea/Marengo	1996-00	R134a	600	Dens Oil 9	PAO 68 or PAG ISO 100	130-170
Multipia 1.6	1999-05	R134a	650	UCON RL 488	PAO 68 or PAG ISO 150	265
Multipia 1.6i	2005-11	R134a	650	Ucon RL 488	PAO 68 or PAG ISO 150	265
Multipia 1.9 JTD	1999-05	R134a	650	SP20	PAO 68 or PAG ISO 100	130
Palio/Palio Weekend 1.2i/1.9D	1997-02	R134a	750	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Palio/Palio Weekend 1.2i	2002-06	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Palio/Palio Weekend 1.6i16V	1997-02	R134a	750	Dens Oil 9	PAO 68 or PAG ISO 100	100-115
Palio/Palio Weekend 1.6i16V	2002-06	R134a	600-650	Dens Oil 9	PAO 68 or PAG ISO 100	100-115
Palio/Palio Weekend 1.2i16V /1.9JTD/1.9D	2001-06	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Palio/Palio Weekend 1.7TD	1998-00	R134a	750	Dens Oil 9	PAO 68 or PAG ISO 100	150
Panda (169) 1.1i/1.2i	2003-10	R134a	470-530	PAG	PAO 68 or PAG ISO 46	80








						
Fiat						
Panda 1.3JTD	2003-10	R134a	470-530	SP10	PAO 68 or PAG ISO 46	130
Punto	1993-99	R134a	650-700	Dens Oil 9	PAO 68 or PAG ISO 100	130-170
Punto (188) 1.2i/1.2i16V/1.9D	09.99-06.03	R134a	525-575	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Punto (188) 1.9DJTD	09.99-06.03	R134a	525-575	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Punto (188) 1.8i	09.99-06.03	R134a	525-575	Dens Oil 9	PAO 68 or PAG ISO 100	60-100
Punto (188) 1.2i/1.2i16V/1.9D	06.03-	R134a	525-575	Dens Oil 8	PAO 68 or PAG ISO 46	130
Punto 1.3JTD	06.03-	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	130
Qubo	2008-	R134a	500	PAG	PAO 68 or PAG ISO 46	130
Scudo	1996-07	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Scudo 1.6D/2.0D	2007-	R134a	540	SP10	PAO 68 or PAG ISO 46	135
With air conditioning at the rear, short wheelbase	2007-	R134a	850	SP10	PAO 68 or PAG ISO 46	160
With air conditioning at the rear, long wheelbase	2007-	R134a	950	SP10	PAO 68 or PAG ISO 46	160
Sedici 1.6i	06.2006-	R134a	430	PAG	PAO 68 or PAG ISO 46	50
Sedici 1.9D	2006-	R134a	430	SP10	PAO 68 or PAG ISO 46	80
Seicento	1997-07	R134a	475-525	SP10	PAO 68 or PAG ISO 46	100
Stilo (192) 1.2i/1.4i	2001-08	R134a	475-525	PAG	PAO 68 or PAG ISO 46	80
Stilo 1.8i	2001-08	R134a	475-525	SP10	PAO 68 or PAG ISO 46	135
Stilo 1.6i/1.9JTD	2001-08	R134a	475-525	Dens Oil 8	PAO 68 or PAG ISO 46	80
Strada Pick up 1.3D	2006-	R134a	625	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Tempra - Sanden compressor	1994-97	R134a	730	SP10	PAO 68 or PAG ISO 46	240
Harrison compressor V5	1994-97	R134a	730	UCON RL 488	PAO 68 or PAG ISO 150	263








						
Fiat						
Tipo - Sanden compressor	1994-95	R134a	730	SP10	PAO 68 or PAG ISO 46	240
Harrison compressor V5	1994-95	R134a	730	UCON RL 488	PAO 68 or PAG ISO 150	263
Ulysse	1994-02	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Ulysse (179AX)	2002-10	R134a	575-625	SP10	PAO 68 or PAG ISO 46	135
Ford						
C-Max condenser pipe 1.2 mm (f)	2007-	R134a	600	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
C-Max condenser pipe 3 mm (f)	2007-	R134a	740	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Cougar	1998-03	R134a	725-755	YN-12 B	PAO 68 or PAG ISO 46	200
Escort	1994-00	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	160
Explorer (U2) 4.0iV6	03.95-1998	R134a	600	PAG	PAO 68	n.a.
Explorer (U2) 4.0iV6	1998-2002	R134a	650	PAG	PAO 68 or PAG ISO 46	265
Fiesta	1994-96	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	100
Fiesta	1995-99	R134a	730-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fiesta	1999-02	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fiesta (JH) condenser pipe 3 mm (f)	2002-08	R134a	635-665	WSH-M1C231-B	PAO 68 or PAG ISO 46	210
Fiesta (JH) condenser pipe 1.2 mm (f)	2004-08	R134a	460-480	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fiesta (JH) 1.6D TDCi condenser pipe 3 mm (f)	2004-08	R134a	510-530	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fiesta (JH) 1.6D TDCi condenser pipe 1.2 mm (f)	2004-08	R134a	460-480	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fiesta VI 1.25i/ 1.4i/ 1.6Ti	2008-	R134a	390	WSH-M1C231-B	PAO 68 or PAG ISO 46	170
Fiesta VI 1.4TDCi	2008-	R134a	390	WSH-M1C231-B	PAO 68 or PAG ISO 46	120
Fiesta VI 1.6TDCi	2008-	R134a	475	WSH-M1C231-B	PAO 68 or PAG ISO 46	120








						
Ford						
Focus	1998-04	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Focus II condenser pipe 3mm(f)	2004-11	R134a	740	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Focus II condenser pipe 1.2mm (f)	2004-11	R134a	600	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Focus C-Max condenser pipe 3 mm (f)	2003-07	R134a	730-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Focus C-Max condenser pipe 1.2 mm (f)	2003-07	R134a	590-610	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Fusion (JU) condenser pipe 3mm(f)	2002-10	R134a	635-665	WSH-M1C231-B	PAO 68 or PAG ISO 46	210
Fusion (JU) condenser pipe 1.2 mm (f)	2002-10	R134a	460-480	WSH-M1C231-B	PAO 68 or PAG ISO 46	210
Galaxy 2.0/2.3	1995-00	R134a	950-1000	WSH-M1C231-B	PAO 68 or PAG ISO 46	205
With air conditioning at the rear	1995-00	R134a	1350-1400	WSH-M1C231-B	PAO 68 or PAG ISO 46	240
Galaxy 2.8/1.9 TDI	1995-00	R134a	950-1000	N052 154 VXOO	PAO 68 or PAG ISO 46	135
With air conditioning at the rear	1995-00	R134a	1350-1400	N052 154 VXOO	PAO 68 or PAG ISO 46	240
Galaxy Sanden compressor	06.00-06	R134a	700-750	PAG	PAO 68 or PAG ISO 46	135
Sanden compressor with air conditioning at the rear	06.00-06	R134a	1050-1100	PAG	PAO 68 or PAG ISO 46	240
Galaxy Visteon compressor	06.00-06	R134a	700-750	PAG	PAO 68 or PAG ISO 46	200
Visteon compressor with air conditioning at the rear	06.00-06	R134a	1050-1100	PAG	PAO 68 or PAG ISO 46	240
Galaxy	05.2006-	R134a	585-615	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	05.2006-	R134a	835-865	WSH-M1C231-B	PAO 68 or PAG ISO 46	250
Ka/StreetKa	1996-05	R134a	635-665	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Kuga	2008-	R134a	600	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Maverick	1993-98	R134a	740-760	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Maverick	2001-06	R134a	850	WSH-M1C231-B	PAO 68 or PAG ISO 46	265
Mondeo I	1993-96	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	200








						
Ford						
Mondeo II	1996-00	R134a	725-755	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Mondeo III	11.00-12.01	R134a	800-840	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Mondeo with condenser pipe 3 mm(f)(g)	12.01-07	R134a	800-840	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
With condenser pipe 1.2 mm(f)(g)	12.01-07	R134a	685-715	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Mondeo	03.2007-	R134a	520	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Probe	1994-98	R134a	1000-1100	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Puma	1997-03	R134a	730-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Ranger	1999-03	R134a	550	PAG FD46XG	PAO 68 or PAG ISO 46	180
Ranger 2.5TDCi/ 3.0TDCi	2006-	R134a	475	FD46XG	PAO 68 or PAG ISO 46	180
S-Max	2006-10	R134a	585-615	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	2006-10	R134a	835-865	WSH-M1C231-B	PAO 68 or PAG ISO 46	250
Granada/Scorpio	1994-12.94	R134a	n.a.	WSH-M1C231-B	PAO 68 or PAG ISO 46	160
Scorpio	1995-98	R134a	980-1020	WSH-M1C231-B	PAO 68 or PAG ISO 46	160
Tourneo Connect 1.8i/1.8D TDCi	2002-07	R134a	730-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
Transit	1994-12.99	R134a	885-915	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	1994-08.97	R134a	1375-1425	WSH-M1C231-B	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	09.97-12.99	R134a	1175-1225	WSH-M1C231-B	PAO 68 or PAG ISO 46	250
Transit 2.0Di/2.4Di	01.00-05	R134a	720-760	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	01.00-05	R134a	1530-1590	WSH-M1C231-B	PAO 68 or PAG ISO 46	250
Transit 2.3i/2.0TDCi	2001-05	R134a	970-1010	WSH-M1C231-B	PAO 68 or PAG ISO 46	280
Transit/Tourneo	07.2006-	R134a	730-770	WSH-M1C231-B	PAO 68 or PAG ISO 46	280
With air conditioning at the rear	07.2006-	R134a	1370-1430	WSH-M1C231-B	PAO 68 or PAG ISO 46	n.a.








						
Honda						
Accord - Denso compressor	1993-98	R134a	700-750	Dens Oil 8	PAO 68 or PAG ISO 46	160
Hadsys compressor	1993-98	R134a	700-750	S10X	PAO 68	160
Accord Diesel RHD	1996-98	R134a	700	SP10	PAO 68 or PAG ISO 46	135
Accord Diesel LHD	1996-98	R134a	650	SP10	PAO 68 or PAG ISO 46	135
Accord - Denso compressor	1998-03	R134a	500-550	Dens Oil 8	PAO 68 or PAG ISO 46	160
Sanden compressor	1998-03	R134a	500-550	SP10	PAO 68 or PAG ISO 46	130
Accord Aerodeck/Coupé - Denso compressor	1994-97	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	160
Hadsys compressor	1994-97	R134a	600-650	S10X	PAO 68	160
Accord Coupé	1998-03	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	160-175
Accord 2.0i/2.4i	2003-08	R134a	500-600	SP10	PAO 68 or PAG ISO 46	130
Accord 2.0i/2.4i/2.2D-i-DTEC	07.2008-	R134a	475	SP10	PAO 68 or PAG ISO 46	185
Accord 2.2D i-CTDi	2003-08	R134a	450-500	Dens Oil 8	PAO 68 or PAG ISO 46	160
Civic - Denso compressor	1994-95	R134a	500-550	Dens Oil 8	PAO 68 or PAG ISO 46	120
Matsushita compressor	1994-95	R134a	500-550	GU10	PAO 68 or PAG ISO 46	140
Sanden compressor	1994-95	R134a	500-550	SP10	PAO 68 or PAG ISO 46	120
Civic 2/3/4-door - Denso compressor	1996-00	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	140
Sanden compressor	1996-00	R134a	600-650	SP10	PAO 68 or PAG ISO 46	130
Civic 5-door	1995-97	R134a	500-550	SP10	PAO 68 or PAG ISO 46	120
Civic 5-door - Denso compressor	1997-00	R134a	500-550	Dens Oil 8	PAO 68 or PAG ISO 46	120
Sanden compressor	1997-00	R134a	500-550	SP10	PAO 68 or PAG ISO 46	130
Civic 5-door Diesel RHD	1997-00	R134a	560	SP10	PAO 68 or PAG ISO 46	135
Civic 5-door Diesel LHD	1997-00	R134a	640	SP10	PAO 68 or PAG ISO 46	135








						
Honda						
Civic/Civic Coupe (EU/EP/EM) 1.4i/1.6i/2.0i	2001-06	R134a	500-550	SP10	PAO 68 or PAG ISO 46	130-150
Civic 1.7D CTDi	2002-06	R134a	500-550	PAG	PAO 68 or PAG ISO 46	145
Civic VII 1.4i/1.8i	2006-	R134a	450-480	SP10	PAO 68 or PAG ISO 46	80
Civic VII 2.2D i-CTDi	2006-	R134a	450-480	SP10	PAO 68 or PAG ISO 46	85
Concerto	1993-95	R134a	750-800	SP10	PAO 68 or PAG ISO 46	120
CRX - Denso compressor	1994-97	R134a	500-550	Dens Oil 8	PAO 68 or PAG ISO 46	120
Matsushita compressor	1994-97	R134a	500-550	GU10	PAO 68 or PAG ISO 46	140
Sanden compressor	1994-97	R134a	500-550	SP10	PAO 68 or PAG ISO 46	120
GRV RHD	1997-02	R134a	600-650	SP10	PAO 68 or PAG ISO 46	130-150
GRV (RD)	2002-07	R134a	480-530	SP10	PAO 68 or PAG ISO 46	130-150
GRV 2.2D i-CTDi (RD)	2004-07	R134a	450-500	Dens Oil 8	PAO 68 or PAG ISO 46	160
GRV 2.0i/2.2D-CTDi	2007-	R134a	465	SP10	PAO 68 or PAG ISO 46	185
FR-V Sanden compressor	2005-07	R134a	550	PAG	PAO 68 or PAG ISO 46	130
FR-V Denso compressor	2005-07	R134a	550	PAG	PAO 68 or PAG ISO 46	100
FR-V	2007-	R134a	550	PAG	PAO 68 or PAG ISO 46	n.a.
HR-V 1.6i	1999-06	R134a	550-650	SP10	PAO 68 or PAG ISO 46	130-150
Insight 1.3i DSi-VTEC (IMA/Hybrid) LHD	2006-	R134a	425	SE-10Y		140
Insight 1.3i DSi-VTEC (IMA/Hybrid) RHD	2006-	R134a	475	SE-10Y		140
Jazz (GD)	2001-08	R134a	400-450	Dens Oil 8	PAO 68 or PAG ISO 46	85
Jazz	2008-	R134a	400	PAG	PAO 68 or PAG ISO 46	85
Legend - Denso compressor	1993-96	R134a	750-800	Dens Oil 8	PAO 68 or PAG ISO 46	180
Hadsys compressor	1993-96	R134a	750-800	S10X	PAO 68	180








						
Honda						
Legend	1996-00	R134a	700-750	Dens Oil 8	PAO 68 or PAG ISO 46	140
Prelude RHD	1994-96	R134a	650-700	SP10	PAO 68 or PAG ISO 46	120
Prelude LHD	1994-96	R134a	600-650	SP10	PAO 68 or PAG ISO 46	120
Prelude	1997-01	R134a	700-750	SP10	PAO 68 or PAG ISO 46	130-150
S2000	1999-04	R134a	600-650	SP10	PAO 68 or PAG ISO 46	130-150
Shuttle 2.2i/2.3i	1995-01	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	160
With air conditioning at the rear	1995-01	R134a	800-850	Dens Oil 8	PAO 68 or PAG ISO 46	160
Stream 1.7i	2001-06	R134a	500-550	SP10	PAO 68 or PAG ISO 46	130-150
Stream 2.0i	2001-06	R134a	500-550	SP10	PAO 68 or PAG ISO 46	160-175
With air conditioning at the rear	2001-06	R134a	700-750	SP10	PAO 68 or PAG ISO 46	160-175
Hyundai						
Accent	1994-95	R134a	670-680	PAG FD46XG	PAO 68 or PAG ISO 46	140-160
Accent	1996-09.99	R134a	670-680	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
Accent	10.99-02	R134a	575-625	PAG FD46XG	PAO 68 or PAG ISO 46	140-160
Accent (LC)	2002-2005	R134a	550	PAG FD46XG	PAO 68 or PAG ISO 46	180
Accent (MC)	11.2005-	R134a	500	PAG	PAO 68	n.a.
Atoz/Atos	1998-04	R134a	625-675	PAG FD46XG	PAO 68 or PAG ISO 46	150
Azera 3.3i / 2.2D CRDi	2007-	R134a	500	PAG FD46XG	PAO 68 or PAG ISO 46	150
Coupé	05.96-04.02	R134a	675-725	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
Coupé (GK)	2002-06	R134a	575-625	PAG	PAO 68	140-160
Elantra (XD) compressor: HS-15	06.00-06	R134a	655-705	PAG FD46XG	PAO 68 or PAG ISO 46	140-160








						
Hyundai						
Elantra (XD) compressor: 10PA15	06.00-06	R134a	655-705	Dens Oil 8	PAO 68 or PAG ISO 46	120-135
Galloper	08.98-02	R134a	760-800	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
With air conditioning at the rear	08.98-02	R134a	1150-1200	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
Getz	2002-08	R134a	475-525	Dens Oil 8	PAO 68 or PAG ISO 46	110-130
Grandeur 3.3i/3.8i/2.2D CRDi	2005-	R134a	480-520	PAG	PAO 68	140-160
H100	1993-02.00	R134a	625-675	PAG	PAO 68 or PAG ISO 46	170-190
With air conditioning at the rear	1993-02.00	R134a	1350-1450	PAG	PAO 68 or PAG ISO 46	170-190
H1/H200/Starex 2.4i/2.5D/2.6D compressor: FS10/Zexel	1997-08	R134a	625-675	PAG	PAO 68	200-220
With air conditioning at the rear	1997-08	R134a	1300	PAG	PAO 68	220-240
H1/H200/Starex 2.4i/2.5D/2.6D compressor: MSC130CV/V6 CWV	1997-05	R134a	625-675	PAG	PAO 68	240-260
With air conditioning at the rear	1997-05	R134a	1300	PAG	PAO 68	260-280
H1 / H200 / Starex / Satellite 2.5D CRDi	2002-08	R134a	650	PAG FD46XG	PAO 68 or PAG ISO 46	150
with air conditioning at the rear	2002-08	R134a	950	PAG FD46XG	PAO 68 or PAG ISO 46	210
H1/H300/Starex/Satellite/Montana 2.5D CRDi	2008-	R134a	650	PAG FD46XG	PAO 68 or PAG ISO 46	150
with air conditioning at the rear	2008-	R134a	850	PAG FD46XG	PAO 68 or PAG ISO 46	210
i10	2008-	R134a	450	PAG	PAO 68 or PAG ISO 46	120
i20	2009-	R134a	450	PAG FD46XG	PAO 68 or PAG ISO 46	120
i30	2008-	R134a	500	PAG	PAO 68 or PAG ISO 46	150
i800 / iLoad / iMax	2008-	R134a	650	FD46XG	PAO 68 or PAG ISO 46	150
with air conditioning at the rear	2008-	R134a	850	FD46XG	PAO 68 or PAG ISO 46	210
i800 / iLoad / iMax 2.5D CRDi	2008-	R134a	650	PAG FD46XG	PAO 68 or PAG ISO 46	150
with air conditioning at the rear	2008-	R134a	850	PAG FD46XG	PAO 68 or PAG ISO 46	210








						
Hyundai						
Lantra	1994-96	R134a	670-680	PAG FD46XG	PAO 68 or PAG ISO 46	140-160
Lantra	1996-00	R134a	675-725	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
Matrix 1.6i/1.8i	2001-06	R134a	570	PAG	PAO 68	155
Pony	1994-	R134a	680-700	PAG FD46XG	PAO 68 or PAG ISO 46	207-230
S Coupé	1994-04.96	R134a	650-700	PAG FD46XG	PAO 68 or PAG ISO 46	140-160
Santa Fe	2001-06	R134a	575-625	PAG FD46XG	PAO 68 or PAG ISO 46	160
Santa Fe (CM)	03.2006-10	R134a	600	PAG FD46XG	PAO 68 or PAG ISO 46	150
with air conditioning at the rear	03.2006-10	R134a	850	PAG FD46XG	PAO 68 or PAG ISO 46	210
Sonata	1993-94	R134a	775-825	PAG FD46XG	PAO 68 or PAG ISO 46	207-230
Sonata	1995-97	R134a	700-750	PAG FD46XG	PAO 68 or PAG ISO 46	207-230
Sonata III (EF)	1998-01	R134a	675-725	PAG FD46XG	PAO 68 or PAG ISO 46	150
Sonata IV (new EF)	2001-05	R134a	660-700	PAG FD46XG	PAO 68 or PAG ISO 46	150
Sonata V (NF)	2005-	R134a	530-570	PAG FD46XG	PAO 68 or PAG ISO 46	150
Terracan 2.9 CRDI/3.5iV6	2001-08	R134a	825-875	PAG	PAO 68	170-190
Trajet	03.00-03	R134a	645-695	PAG	PAO 68 or PAG ISO 46	170-190
With air conditioning at the rear	03.00-03	R134a	825-875	PAG	PAO 68 or PAG ISO 46	170-190
Tuscon with petrol engine	2004-10	R134a	490-530	Dens Oil 8	PAO 68 or PAG ISO 46	120-135
Tuscon with diesel engine	2004-10	R134a	490-530	Dens Oil 8	PAO 68 or PAG ISO 46	200-215
XG	2000-03	R134a	650-690	PAG FD46XG	PAO 68 or PAG ISO 46	150
Isuzu						
Ascender	2003-05	R134a	1100	PAG	PAO 68	n.a.








						
Isuzu						
Campo 3.1 D turbo	1993-03	R134a	650	ZXL100PG	PAO 68 or PAG ISO 46	150
Campo Diesel	1993-03	R134a	750	PAG	PAO 68 or PAG ISO 46	260
Rodeo / D-Max 2.5 turbo / 3.0 turbo	2003-07	R134a	650	ZXL200PG	PAO 68 or PAG ISO 100	180
Trooper	1994-98	R134a	750	PAG	PAO 68 or PAG ISO 100	270
Trooper Diesel	1994-98	R134a	750	PAG	PAO 68 or PAG ISO 46	270
Trooper	1998-03	R134a	750	ZXL 200 PG	PAO 68 or PAG ISO 100	150
Trooper Diesel	1998-03	R134a	750	ZXL 100 PG	PAO 68 or PAG ISO 46	150
Jaguar (Daimler)						
Daimler Double Six 6.0i	1994-97	R134a	1050-1150	Dens Oil 8	PAO 68 or PAG ISO 46	180-200
Daimler 4.0V8	1997-04	R134a	650-700	PAG	PAO 68	160-200
S-Type <- VIN M45255	1999-02	R134a	775-825	WSH-M1C231-B	PAO 68 or PAG ISO 46	210
S-Type -> VIN M45255	2002-08	R134a	725-775	PAG	PAO 68 or PAG ISO 46	210
S-Type 2.7D	2004-08	R134a	650-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	210
X-Type (CF1) 2.0i/2.5i/3.0i	2001-10	R134a	795-825	PAG	PAO 68 or PAG ISO 46	220
X-Type 2.0D/2.2D	2003-10	R134a	720-750	WSH-M1C231-B	PAO 68 or PAG ISO 46	200
XF 3.0i	2008-	R134a	700	JLM12260	PAO 68 or PAG ISO 46	130
XJ6 3.0i / 2.7D TDVi	2003-10	R134a	650	JLM12260	PAO 68 or PAG ISO 46	140
with air conditioning at the rear	2003-10	R134a	800	JLM12260	PAO 68 or PAG ISO 46	180
XJ6/Sovereign	1993-94	R134a	1127-1173	SP20	PAO 68 or PAG ISO 100	120-150
XJ6/XJR	1994-97	R134a	1050-1150	Dens Oil 8	PAO 68 or PAG ISO 46	180-200
XJ8 3.2i/4.0i	1997-03	R134a	650-700	PAG	PAO 68 or PAG ISO 46	165-195








						
Jaguar (Daimler)						
XJ8 3.5i / 4.2i / 4.2i Super V8	2003-10	R134a	650	JLM12260	PAO 68 or PAG ISO 46	140
with air conditioning at the rear	2003-10	R134a	800	JLM12260	PAO 68 or PAG ISO 46	180
XJ12/Double Six	1993-94	R134a	1127-1173	SP20	PAO 68 or PAG ISO 100	120-150
XJ12/Double Six	1994-97	R134a	1050-1150	Dens Oil 8	PAO 68 or PAG ISO 46	180-200
XJR 4.0i	1998-03	R134a	650-700	PAG	PAO 68 or PAG ISO 46	160-200
XJR 4.2i	2003-10	R134a	630-650	Dens Oil 8	PAO 68 or PAG ISO 46	140
With air conditioning at the rear	2003-10	R134a	780-820	Dens Oil 8	PAO 68 or PAG ISO 46	180
XJS	09.93-97	R134a	900-950	SP20	PAO 68 or PAG ISO 100	120-150
XK8	10.96-03	R134a	600-700	PAG	PAO 68 or PAG ISO 46	160-200
XKR 4.0i/4.2i	2002-06	R134a	650-700	PAG	PAO 68 or PAG ISO 46	160-200
XKR 4.2i	2006-	R134a	700	PAG	PAO 68 or PAG ISO 46	130
Kia						
Carens	99-07.02	R134a	800	PAG	PAO 68 or PAG ISO 46	120
Carens II	07.02-	R134a	660-700	ND-Oil 8	PAO 68 or PAG ISO 46	200
Carnival	2000-06	R134a	1150	PAG	PAO 68 or PAG ISO 46	200
Carnival 2.5i GV6	2001-06	R134a	1000	ND 8	PAO 68 or PAG ISO 46	200
Carnival	2006-	R134a	775-825	ND 8	PAO 68 or PAG ISO 46	110-130
Ceed	12.2006-	R134a	500	FD46XG	PAO 68 or PAG ISO 46	120
Cerato with petrol engine	2004-08	R134a	475-525	ND-Oil 8	PAO 68 or PAG ISO 46	120-135
Cerato with diesel engine	2004-08	R134a	475-525	ND-Oil 8	PAO 68 or PAG ISO 46	200-215
Clarus/Credos 1.8	1996-03	R134a	700	PAG	PAO 68 or PAG ISO 46	150








						
Kia						
Clarus/Credos 2.0	1996-03	R134a	700	PAG	PAO 68 or PAG ISO 100	200
Joice	2000-06	R134a	730	FD46XG	PAO 68 or PAG ISO 46	210
Magentis	2001-05	R134a	645-695	PAG	PAO 68	150
Magentis drive belt 6PK	11.05-07	R134a	475-525	ND 8	PAO 68 or PAG ISO 46	140-160
Opirus	2003-07	R134a	625-675	FD46XG	PAO 68 or PAG ISO 46	140-160
Picanto	2004-11	R134a	425-475	FD46XG	PAO 68 or PAG ISO 46	110-130
Pregio	10.97-05	R134a	830	PAG	PAO 68 or PAG ISO 46	200
Rio	2000-05	R134a	650	PAG	PAO 68	n.a.
Rio II	2005-	R134a	475-525	ND-Oil 8	PAO 68 or PAG ISO 46	110-130
Sedona	2000-03	R134a	1150	PAG	PAO 68 or PAG ISO 46	200
Sephia/Mentor	1996-00	R134a	700	PAG	PAO 68 or PAG ISO 46	140
Shuma	1998-04	R134a	700	PAG	PAO 68 or PAG ISO 46	140
Sportage	1995-03	R134a	700	ZXL 200 PG	PAO 68 or PAG ISO 100	200
Sportage drive belt 6PK	2004-10	R134a	485-535	ND 8	PAO 68 or PAG ISO 46	200-215
Sportage drive belt 4PK	2004-10	R134a	485-535	ND 8	PAO 68 or PAG ISO 46	120-135
Sorento	2002-07	R134a	575-625	Dens Oil 8	PAO 68 or PAG ISO 46	200
Sorento 3.3i/ 2.5CRDi	2007-	R134a	540	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Lancia						
Debra - Sankyo compressor	1993-95	R134a	850-950	SP20	PAO 68 or PAG ISO 100	135
Harrison compressor	1993-95	R134a	850-950	SP20	PAO 68 or PAG ISO 100	236








						
Lancia						
Dedra - Sankyo compressor	1996-99	R134a	730	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Harrison compressor	1996-99	R134a	730	UCON RL 488	PAO 68 or PAG ISO 150	236
Sanden compressor	1996-99	R134a	730	SP10	PAO 68 or PAG ISO 46	240
Denso compressor	1996-99	R134a	730	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Dedra 2.0ie 16 V all-wheel drive	1995-99	R134a	850-950	SP20	PAO 68 or PAG ISO 100	135
Dedra Turbo D	1994-99	R134a	730	UCON RL 488	PAO 68 or PAG ISO 150	236
Delta - Sankyo compressor	1994-99	R134a	800	SP20	PAO 68 or PAG ISO 100	135
Harrison compressor	1994-99	R134a	800	UCON RL 488	PAO 68 or PAG ISO 150	236
Delta	2008-	R134a	500	ND8	PAO 68 or PAG ISO 46	130
Delta 1.6 16 V	1996-99	R134a	730	Dens Oil 9H-5	PAO 68 or PAG ISO 100	130-170
Delta 1.8 16 V	1996-99	R134a	730	Dens Oil 9H-5	PAO 68 or PAG ISO 100	140-180
Delta Turbo D	1994-99	R134a	730	UCON RL 488	PAO 68 or PAG ISO 150	236
Kappa - Sanden compressor	1994-00	R134a	730	SP10	PAO 68 or PAG ISO 46	135
Denso compressor	1994-00	R134a	800	Dens Oil 8	PAO 68 or PAG ISO 46	140-170
Lybra 1.6i	1999-06	R134a	675-725	UCON RL 488	PAO 68 or PAG ISO 150	265
Lybra 1.8i/2.0i/1.9JTD	2001-07	R134a	675-725	SP20	PAO 68 or PAG ISO 100	145
Lybra 2.4JTD	1999-06	R134a	675-725	Dens Oil 8	PAO 68 or PAG ISO 46	120
Musa 1.4i/1.4i16V/1.3D JTD/1.9D JTD	2004-10	R134a	500	SP10	PAO 68 or PAG ISO 46	130
Phedra	2002-10	R134a	575-625	SP10	PAO 68 or PAG ISO 46	135
Thema	1992-94	R134a	1100	Sanden E13 M6	PAO 68 or PAG ISO 100	135
Thesis	2002-09	R134a	650	SP10	PAO 68 or PAG ISO 46	140
Thesis 3.0i/3.2i	2002-09	R134a	730	SP10	PAO 68 or PAG ISO 46	140








						
Lancia						
Ypsilon 1.1	1996-03	R134a	625-675	Dens Oil 8	PAO 68 or PAG ISO 46	60-100
Ypsilon 1.2/1.4	1996-03	R134a	650-700	Dens Oil 9	PAO 68 or PAG ISO 100	140-180
Ypsilon 1.2i/1.2i16V/1.4i/1.3D JTD	2003-11	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	130
Zeta	1996-02	R134a	950-1000	SP10	PAO 68 or PAG ISO 46	135
Land Rover						
Defender	06.94-98	R134a	1090	Dens Oil 8	PAO 68 or PAG ISO 46	313
Defender TD5 engine code:10P	1999-07	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Defender TD5 engine code:15P	2001-07	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	180
Defender 2.4TD4	2006-	R134a	600	SP10	PAO 68 or PAG ISO 46	130
Discovery	09.94-98	R134a	900	Dens Oil 8	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	09.94-98	R134a	1150	Dens Oil 8	PAO 68 or PAG ISO 46	180
Discovery	1998-04	R134a	675-725	Dens Oil 8	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	1998-04	R134a	875-925	Dens Oil 8	PAO 68 or PAG ISO 46	180
Discovery III 2.7TD	10.04-09	R134a	550	Dens Oil 8	PAO 68 or PAG ISO 46	130
With air conditioning at the rear	10.04-09	R134a	810	Dens Oil 8	PAO 68 or PAG ISO 46	180
Discovery III 4.4i / 4.0i	10.04-09	R134a	600	Dens Oil 8	PAO 68 or PAG ISO 46	130
With air conditioning at the rear	10.04-09	R134a	900	Dens Oil 8	PAO 68 or PAG ISO 46	180
Freelander	1997-00	R134a	700-750	Dens Oil 8	PAO 68 or PAG ISO 46	130-170
Freelander	2000-06	R134a	515-565	PAG	PAO 68 or PAG ISO 46	n.a.
Freelander LHD engine: 2.5i	2000-06	R134a	410-450	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Freelander II 2.2D2TD4	2006-	R134a	730	WSH-M1C231-B	PAO 68 or PAG ISO 46	200








						
Land Rover						
Freelander II 3.2i	2006-	R134a	730	WSH-M1C231-B	PAO 68 or PAG ISO 46	150
Range Rover/Classic	09.94-95	R134a	900	Dens Oil 8	PAO 68 or PAG ISO 46	180
Range Rover II Petrol	1994-99	R134a	1250	SP10	PAO 68 or PAG ISO 46	150
Range Rover II Petrol	1999-02	R134a	1355-1405	Dens Oil 8	PAO 68 or PAG ISO 46	180
Range Rover II Diesel	1994-02	R134a	1100	Dens Oil 8	PAO 68 or PAG ISO 46	140
Range Rover III (LM) 4.4i (448S2)/3.0TD	2002-06	R134a	500-520	Dens Oil 8	PAO 68 or PAG ISO 46	110
Range Rover III 4.4i (448PN)/4.2i Supercharged	2005-09	R134a	700	Dens Oil 8	PAO 68 or PAG ISO 46	120
Range Rover Sport 4.4i (448PN)/4.2i Supercharged	2005-09	R134a	600	Dens Oil 8	PAO 68 or PAG ISO 46	130
Range Rover Sport 2.7D TDV6	2005-09	R134a	600	Dens Oil 8	PAO 68 or PAG ISO 46	130
LDV						
Maxus 2.5D CRD LHD	2005-09	R134a	850	PAG	PAO 68 or PAG ISO 150	265
Maxus 2.5D CRD RHD	2005-09	R134a	880	PAG	PAO 68 or PAG ISO 150	265
Lexus						
GS300	1994-97	R134a	800-900	Dens Oil 8	PAO 68 or PAG ISO 46	150
GS300	1997-05	R134a	550-650	Dens Oil 8	PAO 68 or PAG ISO 46	150
GS430	2000-05	R134a	550-650	PAG	PAO 68	n.a.
GS430	2005-08	R134a	450	Dens Oil 8	PAO 68 or PAG ISO 46	130
GS450h	2006-	R134a	450	Dens Oil 11		120
IS200	1999-05	R134a	550-650	Dens Oil 8	PAO 68 or PAG ISO 46	150
IS 300	2001-05	R134a	550-650	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.








						
Lexus						
IS 250/220d	2005-	R134a	400-460	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
LS400	1993-09.00	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	150
With air conditioning at the rear	1993-09.00	R134a	900-1000	Dens Oil 8	PAO 68 or PAG ISO 46	180
LS430	2001-07	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	2001-07	R134a	850-950	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
RX 300	2000-03	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
RX 300	2003-07	R134a	550-650	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
RX 350	2006-	R134a	600	Dens Oil 8	PAO 68 or PAG ISO 46	120
RX 400h	2005-10	R134a	550-650	ND Oil 11		120
SC 430	2001-06	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	125-135
Maybach						
Maybach (240) 57/63 air conditioning at the front	2002-06	R134a	950			
Air conditioning at the rear		R134a	950			
Compressor 7SEU17C				PAG	PAO 68	170
Compressor 6SEU14C				PAG	PAO 68	120
Mazda						
2 condenser pipes 1.2 mm (f)	2003-07	R134a	470	PAG	PAO 68 or PAG ISO 46	210
2 condenser pipes 3 mm (f)	2003-07	R134a	650	PAG	PAO 68 or PAG ISO 46	210
2	10.2007-	R134a	490	PAG	PAO 68 or PAG ISO 46	115
3 1.4i/1.6i/2.0i	2003-09	R134a	500	Atmos GU10	PAO 68 or PAG ISO 46	125








						
Mazda						
3 1.6D	2003-09	R134a	650	PAG SP10	PAO 68 or PAG ISO 46	200
3 2.0D/ 2.3MPS	2007-	R134a	500	Atmos GU10	PAO 68 or PAG ISO 46	155
5 1.8i/2.0i/2.0D CRD	2005-	R134a	500	Atmos GU10	PAO 68 or PAG ISO 46	150
6 LHD 1.8i/2.0i/2.3i	2002-07	R134a	470	GU10	PAO 68 or PAG ISO 46	120
6 RHD 1.8i/2.0i/2.3i	2002-07	R134a	430	GU10	PAO 68 or PAG ISO 46	120
6 LHD 2.0D Turbo	2002-07	R134a	470	Atmos GU10	PAO 68 or PAG ISO 46	150
6 RHD 2.0D Turbo	2002-07	R134a	430	Atmos GU10	PAO 68 or PAG ISO 46	150
6 1.8i/ 2.0i/ 2.5i	2007-	R134a	500	PAG	PAO 68 or PAG ISO 46	120
6 2.0D	2007-	R134a	525	Atmos GU 10	PAO 68 or PAG ISO 46	120
121	1993-12.94	R134a	650	GU10	PAO 68 or PAG ISO 46	175
121	1995-03	R134a	730-750	PAG	PAO 68 or PAG ISO 46	200
323	94-10.96	R134a	750	GU10	PAO 68 or PAG ISO 46	175
323	11.96-08.98	R134a	700-750	GU10	PAO 68 or PAG ISO 46	150
323 RHD	09.98-03	R134a	625	GU10	PAO 68 or PAG ISO 46	150
323 LHD	09.98-03	R134a	600	GU10	PAO 68 or PAG ISO 46	150
626	92-05.94	R134a	750-800	ATMOS 150	PAO 68	150
626	06.94-97	R134a	700	GU10	PAO 68 or PAG ISO 46	175
626	1997-03	R134a	625-700	GU10	PAO 68 or PAG ISO 46	150
B-Series 2.5D/2.5TD	1998-02	R134a	550	PAG	PAO 68 or PAG ISO 46	180
BT-50 2.5D/3.0D	2006-	R134a	475	FD46XG	PAO 68 or PAG ISO 46	180
CX 7 2.3i	2007-	R134a	500	Atmos GU10	PAO 68 or PAG ISO 46	150
Demio LHD	1998-04	R134a	650	GU10	PAO 68 or PAG ISO 46	150








						
Mazda						
Demio RHD	1998-04	R134a	600	GU10	PAO 68 or PAG ISO 46	150
E-Series	1995-00	R134a	550	ZXL 100 PG	PAO 68 or PAG ISO 46	150
With air conditioning at the rear	1995-00	R134a	1150	ZXL 100 PG	PAO 68 or PAG ISO 46	200
MX3	1991-94	R134a	800	ATMOS 150	PAO 68	150
MX3	1995-99	R134a	750	GU10	PAO 68 or PAG ISO 46	175
MX5 (NB) up to VIN: 200000	1998-05	R134a	700	PAG	PAO 68	n.a.
MX5 (NB) from VIN: 200001	1998-05	R134a	425	PAG	PAO 68	n.a.
MX5 (NC)	2005-	R134a	450	PAG	PAO 68 or PAG ISO 100	130
MX6	92-05.94	R134a	750-800	ATMOS 150	PAO 68	150
MX6	06.94-98	R134a	700	GU10	PAO 68 or PAG ISO 46	175
MPV3.0i	1994-99	R134a	1050	Dens Oil 8	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	1994-99	R134a	1200	Dens Oil 8	PAO 68 or PAG ISO 46	215
MPV II	09.99-05	R134a	650	Dens Oil 8	PAO 68 or PAG ISO 46	160
With air conditioning at the rear	09.99-05	R134a	850	Dens Oil 8	PAO 68 or PAG ISO 46	160
Premacy	1999-05	R134a	650	GU10	PAO 68 or PAG ISO 46	150
RX 8	2003-09	R134a	430	PAG	PAO 68 or PAG ISO 46	60
Tribute 2.0i/3.0i	2000-07	R134a	900	PAG	PAO 68 or PAG ISO 46	260
Xedos 6	92-03.94	R134a	700	GU10	PAO 68 or PAG ISO 46	130-140
Xedos 6	04.94-03	R134a	700	GU10	PAO 68 or PAG ISO 46	175
Xedos 9	1994-03	R134a	700-800	GU10	PAO 68 or PAG ISO 46	175








						
Mercedes-Benz						
A-Class (W168)	1998-05	R134a	600	A001 989 0803	PAO 68 or PAG ISO 46	100
A-Class (W169) 150/170/200/160CDI/180CDI	09.04-11	R134a	770	A001 989 0803	PAO 68 or PAG ISO 46	120
A-Class (W169) 200CDI/200turbo	09.04-11	R134a	840	A001 989 0803	PAO 68 or PAG ISO 46	120
B-Class (W245) 150/200/180CDI/170	2005-11	R134a	770	A001 989 0803	PAO 68 or PAG ISO 46	120
B-Class (W245) 200 turbo/200CDI	2005-11	R134a	840	A001 989 0803	PAO 68 or PAG ISO 46	120
C-Class (W202) <- VIN 1A 168 524, 1F 164 269	1993-00	R134a	950	A001 989 0803	PAO 68 or PAG ISO 46	155
C-Class (W202) -> VIN 1A 168 525, 1F 164 270 R	1993-00	R134a	850	A001 989 0803	PAO 68 or PAG ISO 46	155
C-Class (W203)	05.00-04.04	R134a	700-750	PAG	PAO 68 or PAG ISO 46	120
C-Class (W203) Facelift	04.04-.2007	R134a	850	A001 9890 803	PAO 68 or PAG ISO 46	120
C-Class (204)	2007-	R134a	590	PAG	PAO 68 or PAG ISO 46	120
CLK (C208)	1997-02	R134a	850	A001 989 0803	PAO 68 or PAG ISO 46	120
CLK (C209)	06.02-09	R134a	750	PAG	PAO 68 or PAG ISO 46	120
CLS (C219)	2005-	R134a	950	A001 989 0803	PAO 68 or PAG ISO 46	120
E-Class (W124)	1993-96	R134a	950	A001 989 0803	PAO 68 or PAG ISO 46	160
With air conditioning at the rear	1993-96	R134a	1150	A001 989 0803	PAO 68 or PAG ISO 46	160
E-Class (W210)	1995-02	R134a	1000	A001 989 0803	PAO 68 or PAG ISO 46	120
E-Class (W211)	03.02-09	R134a	950	PAG	PAO 68 or PAG ISO 46	120
G-Class (W461)	1993-2005	R134a	1100	A001 989 0803	PAO 68 or PAG ISO 46	170
With compressor 7SB16	1993-2005	R134a	1100	A001 989 0803	PAO 68 or PAG ISO 46	120
G-Class (W463)	1993-2005	R134a	1050	A001 989 0803	PAO 68 or PAG ISO 46	120
G-Class (463.322/323) 270CDI	2001-05	R134a	1070	A001 989 0803	PAO 68 or PAG ISO 46	170








						
Mercedes-Benz						
GL-Class (X164)	2006-10	R134a	970	A001 9890 803	PAO 68 or PAG ISO 46	110
With air conditioning at the rear	2006-10	R134a	1220	A001 9890 803	PAO 68 or PAG ISO 46	110
GLK (X204) with compressor: Denso 6SEU16	2008-	R134a	590	PAG	PAO 68 or PAG ISO 46	120
M-Class (W163)	03.98-05	R134a	750	PAG	PAO 68 or PAG ISO 46	175
M-Class (W164)	07.05-11	R134a	970	PAG	PAO 68 or PAG ISO 46	110
M-Class (W164) With air conditioning at the rear	2006-11	R134a	1220	A001 9890 803	PAO 68 or PAG ISO 46	110
R-Class (W251/V251)	2006-	R134a	970	A001 989 0803	PAO 68 or PAG ISO 46	110
With air conditioning at the rear	2006-	R134a	1220	A001 989 0803	PAO 68 or PAG ISO 46	110
S-Class (W140) <- VIN 1A 128 373	07.91-99	R134a	1200	A001 989 0803	PAO 68 or PAG ISO 46	160
With air conditioning at the rear <- VIN 1A 128 373	07.91-99	R134a	1400	A001 989 0803	PAO 68 or PAG ISO 46	160
S-Class (W140) -> VIN 1A 128 374 R	07.91-99	R134a	1150	A001 989 0803	PAO 68 or PAG ISO 46	160
With air conditioning at the rear ->VIN 1A 128 374 R	07.91-99	R134a	1250	A001 989 0803	PAO 68 or PAG ISO 46	160
S-Class (W220)	10.98-06	R134a	950	PAG	PAO 68	120
With air conditioning at the rear	10.98-06	R134a	1050	PAG	PAO 68	120
S-Class Coupe (C215) CL500/600	2002-07	R134a	950	A001 9890 803	PAO 68 or PAG ISO 46	120
S-Class (W221)	2006-	R134a	1070	A001 989 0803	PAO 68 or PAG ISO 46	110
With air conditioning at the rear	2006-	R134a	1180	A001 989 0803	PAO 68 or PAG ISO 46	120
SLK (R170)	1996-04	R134a	850	A001 989 0803	PAO 68 or PAG ISO 46	120
SLK (R171) 200/280/350	2004-09	R134a	670	A001 9890 803	PAO 68 or PAG ISO 46	120
SL (R129)	1991-02	R134a	950	A001 989 0803	PAO 68 or PAG ISO 46	140-150
SL (R230)	10.01-07	R134a	920	PAG	PAO 68 or PAG ISO 46	120








						
Mercedes-Benz						
Sprinter	01.95-05	R134a	860	PAG	PAO 68 or PAG ISO 46	120
With air conditioning at the rear (HH7)	01.95-05	R134a	1300	PAG	PAO 68 or PAG ISO 46	175
Sprinter (906)	2006-	R134a	800	PAG	PAO 68 or PAG ISO 46	190
With air conditioning at the rear (HH7)	2006-	R134a	1190	PAG	PAO 68 or PAG ISO 46	190
Sprinter (906) with high-performance air conditioning (H08)	2006-	R134a	1000	PAG	PAO 68 or PAG ISO 46	160
Vaneo (414)	2002-06	R134a	600	PAG	PAO 68 or PAG ISO 46	100
Vito (638) / V-Class (638/2) compressor: Denso 7SB16	02.96-03	R134a	850	PAG	PAO 68 or PAG ISO 46	175
Denso 7SB16 with air conditioning at the rear	02.96-03	R134a	1100	PAG	PAO 68 or PAG ISO 46	175
Compressor: Denso 10PA17C	02.96-03	R134a	920	PAG	PAO 68 or PAG ISO 46	120
Compressor: Sanden SD7V16	02.96-03	R134a	850	PAG	PAO 68 or PAG ISO 46	135
Vito/Viano (W639)	2003-10	R134a	550	PAG	PAO 68 or PAG ISO 46	190
Vito/Viano (W639) with air conditioning at the rear	2003-10	R134a	840	A001 9890 803	PAO 68 or PAG ISO 46	190
Long wheelbase and air conditioning at the rear	2003-10	R134a	870	A001 9890 803	PAO 68 or PAG ISO 46	190
Mitsubishi						
3000 GT	1993-00	R134a	740-790	Sunpag 56	PAO 68 or PAG ISO 46	140-180
ASX	2008-	R134a	500	Sunpag 56	PAO 68 or PAG ISO 46	n.a.
Carisma	1996-00	R134a	680-720	Sunpag 56	PAO 68 or PAG ISO 46	120
Carisma Diesel	1997-00	R134a	680-720	SP20	PAO 68 or PAG ISO 100	135
Colt/Lancer	1992-96	R134a	570-610	Sunpag 56	PAO 68 or PAG ISO 46	120
Colt/Lancer (CK/P) 1.3i/1.6i	1996-03	R134a	555-595	Sunpag 56	PAO 68 or PAG ISO 46	60
Colt VI 1.1i/1.3i/1.5i/1.5i turbo	2004-11	R134a	430	Dens Oil 8	PAO 68 or PAG ISO 46	100








						
Mitsubishi						
Eclipse (D3)	1996-05	R134a	630-670	Sunpag 56	PAO 68 or PAG ISO 46	170-190
Galant	1993-97	R134a	630-670	Sunpag 56	PAO 68 or PAG ISO 46	150-160
Galant	1997-00	R134a	670-710	Sunpag 56	PAO 68 or PAG ISO 46	120
Galloper	08.98-02	R134a	760-800	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
With air conditioning at the rear	08.98-02	R134a	1150-1200	PAG FD46XG	PAO 68 or PAG ISO 46	170-190
Grandis	2004-10	R134a	535-585	Sunpag 56	PAO 68 or PAG ISO 46	160-180
With air conditioning at the rear	2004-10	R134a	725-775	Sunpag 56	PAO 68 or PAG ISO 46	160-180
L200	1994-97	R134a	700-740	Dens Oil 8	PAO 68 or PAG ISO 46	100
L200 2.4i/2.5D/2.5D turbo	1997-06	R134a	550-600	ZXL 100 PG	PAO 68 or PAG ISO 46	180
L200 2.5D DI	2006-	R134a	555	ZXL100PG	PAO 68 or PAG ISO 46	130
L300	1994-2004	R134a	700-750	PAG	PAO 68	n.a.
With air conditioning at the rear	1994-2004	R134a	1200-1250	PAG	PAO 68	n.a.
L400	1996-05	R134a	650	ZXL 100 PG	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	1996-05	R134a	950	Sunpag 56	PAO 68 or PAG ISO 46	240
Lancer Estate	12.93-97	R134a	700	Sunpag 56	PAO 68 or PAG ISO 46	120-140
Lancer 1.3i/1.6i	2003-08	R134a	480-520	Sunpag 56	PAO 68 or PAG ISO 46	140
Lancer 2.0i/EVO VIII	2003-08	R134a	480-520	Sunpag 56	PAO 68 or PAG ISO 46	120
Lancer (CX/CY)	2008-	R134a	500	Sunpag 56	PAO 68 or PAG ISO 46	n.a.
Outlander	2003-07	R134a	530-570	Sunpag 56	PAO 68 or PAG ISO 46	120
Outlander	02.2007-	R134a	500	Dens Oil 8	PAO 68 or PAG ISO 46	100
Pajero/Shogun	1994-03.00	R134a	600-650	Dens Oil 8	PAO 68 or PAG ISO 46	80
With air conditioning at the rear	1994-03.00	R134a	1000-1050	Dens Oil 8	PAO 68 or PAG ISO 46	150








						
Mitsubishi						
Pajero/Shogun	04.00-07	R134a	480-520	Dens Oil8	PAO 68 or PAG ISO 46	120
With air conditioning at the rear	04.00-03	R134a	770-810	Dens Oil8	PAO 68 or PAG ISO 46	140
Pajero/Shogun Sport	2000-07	R134a	600-650	Sunpag 56	PAO 68 or PAG ISO 46	170
Pajero/Shogun Pinin LHD	1999-05	R134a	600-640	ZXL 200 PG	PAO 68 or PAG ISO 100	n.a.
Pajero/Shogun Pinin RHD	1999-05	R134a	550-590	ZXL 200 PG	PAO 68 or PAG ISO 100	n.a.
Pajero IV (V80)	02.2007-	R134a	550	ZXL100PG	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	02.2007-	R134a	870	ZXL100PG	PAO 68 or PAG ISO 46	n.a.
Santamo	1999-06	R134a	730	PAG FD46XG	PAO 68 or PAG ISO 46	210
Sigma	1990-1996	R134a	740-790	PAG	PAO 68	n.a.
Space Gear	1995-05	R134a	650	ZXL100PG	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	1995-05	R134a	950-1000	Sunpag 56	PAO 68 or PAG ISO 46	240
Space Runner/Wagon Denso compressor: 10PA15	06.93-1998	R134a	720	Dens Oil 8	PAO 68 or PAG ISO 46	140
Space Runner/Wagon Denso compressor: 10PA17	06.93-1998	R134a	720	Dens Oil 8	PAO 68 or PAG ISO 46	180
Space Runner/Wagon	1999-12.99	R134a	550	Dens Oil 8	PAO 68 or PAG ISO 46	80
Space Runner/Wagon 2.0 Diesel	12.93-98	R134a	720	Dens Oil 8	PAO 68 or PAG ISO 46	100-140
Space Runner (N50)	08.99-04	R134a	500-600	PAG	PAO 68	n.a.
Space Star	1998-05	R134a	660-700	Sunpag 56	PAO 68 or PAG ISO 46	120
Nissan						
200SX (S14)	1994-03	R134a	600-800	Nissan Type R	PAO 68 or PAG ISO 100	200
300ZX (Z32)	1994-09.95	R134a	550-650	KLHOO-PAGSO	PAO 68 or PAG ISO 46	200








						
Nissan						
Almera (N15) RHD - Calsonic compressor	1995-00	R134a	450-550	Nissan Type R	PAO 68 or PAG ISO 100	180
RHD - Zexel compressor	1995-00	R134a	450-550	Nissan Type R	PAO 68 or PAG ISO 100	200
Almera (N15) LHD - Calsonic compressor	1995-00	R134a	600-700	Nissan Type R	PAO 68 or PAG ISO 100	180
LHD - Zexel compressor	1995-00	R134a	600-700	Nissan Type R	PAO 68 or PAG ISO 100	200
Almera (N16)	07.00-06	R134a	450-550	PAG	PAO 68 or PAG ISO 46	200
Almera Tino V10	08.00-06	R134a	450-550	PAG	PAO 68 or PAG ISO 46	200
Cabstar (F23)	06.94-00	R134a	600-700	KLHOO-PAGSO	PAO 68 or PAG ISO 46	250
Cabstar 3.0Di (TLO)	2004-07	R134a	750	PAG	PAO 68 or PAG ISO 46	250-270
Cabstar (F24) 2.5D/ 3.0D	2006-	R134a	300	KLHOO-PAGSO	PAO 68 or PAG ISO 46	150
Interstar (X70) 1.9D/ 2.2D/ 2.5D/ 3.0D	2003-06	R134a	820-880	PAG	PAO 68	150
7-seater, with air conditioning at the rear	2003-06	R134a	1300	PAG	PAO 68	170
16-seater, with air conditioning at the rear	2003-06	R134a	1400	PAG	PAO 68	170
Interstar (X70) 2.5DdCi	2006-	R134a	750	PAG	PAO 68 or PAG ISO 150	220
Interstar (X70) 2.5DdCi 9-seater with air conditioning at the rear	2006-	R134a	1300	PAG	PAO 68 or PAG ISO 150	240
Interstar (X70) 2.5DdCi 16-seater with air conditioning at the rear	2006-	R134a	1400	PAG	PAO 68 or PAG ISO 150	240
Kubistar (X76) 1.2i/1.2116V/1.5D dCi/1.6i	2003-08	R134a	640-680	SP10	PAO 68 or PAG ISO 46	135
Maxima QX (A32)	1994-00	R134a	600-700	Nissan Type S	PAO 68 or PAG ISO 46	250
Maxima QX (A33) 2.0V6/3.0V6	03.00-04	R134a	600-700	KLH00-PAGSO	PAO 68 or PAG ISO 46	200
Micra (K11)	04.94-00	R134a	425-475	Nissan Type R	PAO 68 or PAG ISO 100	200
Micra (K11)	2000-03	R134a	475-525	PAG	PAO 68 or PAG ISO 46	200
Micra (K12) 1.0i/1.2i/1.4i	2003-	R134a	450-500	KLHOO-PAGRO	PAO 68 or PAG ISO 100	n.a.
Micra (K12) 1.5dCi	2003-	R134a	500-600	KLHOO-PAGRO	PAO 68 or PAG ISO 100	135








						
Nissan						
Micra (K12) 1.6i	2005-	R134a	550	PAG	PAO 68 or PAG ISO 100	120
Micra C+C (K12) 1.4i	2005-	R134a	500	PAG	PAO 68 or PAG ISO 100	80
Micra C+C (K12) 1.6i	2005-	R134a	450	PAG	PAO 68 or PAG ISO 100	120
Murano 3.5i	2005-08	R134a	525	KLHOO-PAGSO	PAO 68 or PAG ISO 46	150
Navara (D40) 2.5DdCi with manual air conditioning	2005-	R134a	1080	PAG	PAO 68 or PAG ISO 46	n.a.
Navara (D40) 2.5DdCi with automatic air conditioning	2005-	R134a	700	PAG	PAO 68 or PAG ISO 46	180
Navara (D40) 2.5DdCi with air conditioning at the rear	2005-	R134a	800	PAG	PAO 68 or PAG ISO 46	210
Note 1.4i	2007-	R134a	450-500	PAG	PAO 68 or PAG ISO 100	80
Note 1.6i	2006-	R134a	475	PAG	PAO 68 or PAG ISO 100	120
Note 1.5DdCi	2006-	R134a	550	PAG	PAO 68 or PAG ISO 100	135
Pathfinder (R51) 4.0i/2.5D dCi	2004-10	R134a	700	KLHOO-PAGSO	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	2004-10	R134a	850	KLHOO-PAGSO	PAO 68 or PAG ISO 46	180
Patrol GR (Y60)	07.94-98	R134a	550-650	Nissan Type S	PAO 68 or PAG ISO 46	200
Patrol (Y61) 2.8D/3.0D	1998-08	R134a	750-850	Nissan Type S	PAO 68 or PAG ISO 46	300
Pick-up (D21)	03.92-98	R134a	750-850	Nissan Type R	PAO 68 or PAG ISO 100	200
Pick-up (D22)	1998-02	R134a	500-600	Nissan Type R	PAO 68 or PAG ISO 100	200
Pick-up/Navara (D22) 2.5Di	2002-07	R134a	550-650	KLHOO-PAGSO	PAO 68 or PAG ISO 46	200
Pick-up/Navara (D22) 2.4i	2002-07	R134a	600-700	KLHOO-PAGRO	PAO 68 or PAG ISO 100	200
Primera (P10)	09.93-96	R134a	700-800	Nissan Type R	PAO 68 or PAG ISO 100	200
Primera (W10) - Calsonic compressor	09.93-05.96	R134a	550-650	KLHOO-PAGRO	PAO 68 or PAG ISO 100	180
Zexel compressor	09.93-05.96	R134a	550-650	Nissan Type R	PAO 68 or PAG ISO 100	200
Primera (P11)	1996-99	R134a	550-650	Nissan Type R	PAO 68 or PAG ISO 100	180








						
Nissan						
Primera 1.6/2.0 D Turbo (P11-144)	1999-02	R134a	550-650	Nissan Type R	PAO 68 or PAG ISO 100	180
Primera 1.8/2.0 (P11-144)	1999-02	R134a	550-650	Nissan Type S	PAO 68 or PAG ISO 46	200
Primera (P12)	07.02-07	R134a	500	KLH00-PAGSO	PAO 68 or PAG ISO 46	180
Primastar (X83) 1.9D dCi	2002-06	R134a	700	Planetelf 488	PAO 68 or PAG ISO 150	220
Primastar 2.0i / 2.0D dCi / 2.5DdCi	2006-	R134a	750	PAG	PAO 68 or PAG ISO 150	220
With air conditioning at the rear	2006-	R134a	1050	PAG	PAO 68 or PAG ISO 150	240
Qashqai / Qashqai +2	2007-	R134a	450	SDH-PS	PAO 68 or PAG ISO 46	150
Serena/Vanette Cargo RHD	92-06.96	R134a	600-700	Nissan Type S	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	92-06.96	R134a	725-825	Nissan Type S	PAO 68 or PAG ISO 46	250
Serena/Vanette Cargo LHD	92-06.96	R134a	625-725	Nissan Type S	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	92-06.96	R134a	675-775	Nissan Type S	PAO 68 or PAG ISO 46	250
Serena/Vanette Cargo RHD	07.96-03	R134a	550-650	Nissan Type S	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	07.96-03	R134a	675-775	Nissan Type S	PAO 68 or PAG ISO 46	250
Serena/Vanette Cargo LHD	07.96-03	R134a	575-675	Nissan Type S	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	07.96-03	R134a	625-725	Nissan Type S	PAO 68 or PAG ISO 46	250
Sunny (N14/B13)	10.92-95	R134a	700-800	Nissan Type R	PAO 68 or PAG ISO 100	200
Sunny Estate/Van (Y10)	09.92-03.94	R134a	700-800	Nissan Type R	PAO 68 or PAG ISO 100	200
Sunny Estate/Van (Y10)	04.94-96	R134a	650-750	KLH00-PAGRO	PAO 68 or PAG ISO 100	180-200
Terrano II (R20)	1993-08	R134a	700-800	Nissan Type R	PAO 68 or PAG ISO 100	200
Urvan (E24)	07.94-96	R134a	900-1000	KLH00-PAGSO	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	07.94-96	R134a	1150-1250	KLH00-PAGSO	PAO 68 or PAG ISO 46	250








						
Nissan						
Vanette Cargo (C23H) 2.3D	07.96-01	R134a	600	KLHOO-PAGSO	PAO 68 or PAG ISO 46	250
With air conditioning at the rear	07.96-01	R134a	700	KLHOO-PAGSO	PAO 68 or PAG ISO 46	250
X-Trail 2.0i/2.5i/2.2Di/2.2DdCi	2001-07	R134a	500	KLHOO-PAGSO/Nissan Type S	PAO 68 or PAG ISO 46	180
X-Trail (T31) 2.0i/ 2.5i/ 2.0DdCi	2007-	R134a	450	PAG	PAO 68 or PAG ISO 46	150
Opel - Vauxhall						
Agila (HOO) 1.1i/1.2i/1.3DCDTi	2000-08	R134a	500	90510419	PAO 68 or PAG ISO 46	140-160
Agila 1.0 i/ 1.2i	2008-	R134a	370	PAG	PAO 68 or PAG ISO 46	90
Agila 1.3DCDTi	2008-	R134a	370	PAG	PAO 68 or PAG ISO 46	120
Antara LHD 2.0D	2006-	R134a	520	PAG	PAO 68 or PAG ISO 150	150
Antara LHD 2.4i/ 3.2i	2006-	R134a	660	PAG	PAO 68 or PAG ISO 150	150
Astra F	1991-94	R134a	700	90443840	PAO 68 or PAG ISO 150	295
Astra F	1994-98	R134a	900	90443840	PAO 68 or PAG ISO 150	295
Astra G engine: model year:	1998-05					
Z16XE+YNG/Y17DT/Z17DTL/X20+Y20DTL/Y20DTH+22DTR/Z22SE	1998-01	R134a	700	90509933	PAO 68 or PAG ISO 46	120
Z16XE+YNG/Y17DT/Z17DTL/X20+Y20DTL/Y20DTH+22DTR/Z22SE	2002-05	R134a	600	90509933	PAO 68 or PAG ISO 46	120
Z20LET	2000-05	R134a	700	90509933	PAO 68 or PAG ISO 46	150
all other engines	1998-01	R134a	700	90509933	PAO 68 or PAG ISO 46	150
all other engines	2002-05	R134a	600	90509933	PAO 68 or PAG ISO 46	150
Astra H engine: model year:	2004-09					
Z14XEL/Z14XEP/Z16XEP/Z18XE	2004-06	R134a	475	ND 8	PAO 68 or PAG ISO 46	150
Z14XEL/Z14XEP/Z16XEP/Z18XE	2006-	R134a	450	ND 8	PAO 68 or PAG ISO 46	150








						
Opel - Vauxhall						
Z20LEL	2004-09	R134a	500	ND 8	PAO 68 or PAG ISO 46	150
Z20LER	2004-2006	R134a	500	PAG	PAO 68 or PAG ISO 46	150
Z20LER	2006-	R134a	475	PAG	PAO 68 or PAG ISO 46	150
Z20LEH	2005-	R134a	450	PAG	PAO 68 or PAG ISO 46	150
Z17DTH/Z17DTL	2004-06	R134a	500	ND 8	PAO 68 or PAG ISO 46	120
Z17DTH/Z17DTL	2006-	R134a	475	ND 8	PAO 68 or PAG ISO 46	120
Z19DTH/Z19DT	2004-06	R134a	475	ND 8	PAO 68 or PAG ISO 46	135
Z19DTH/Z19DT	2006-	R134a	450	ND 8	PAO 68 or PAG ISO 46	135
Astra J engine:	2010-					
A14XER / A16XER / A13DTH / A17DTR	2010-	R134a	600	PAG	PAO 68	n.a.
A14NET / A16LET with manual transmission	2010-	R134a	600	PAG	PAO 68	n.a.
A14NET / A16LET with automatic transmission	2010-	R134a	630	PAG	PAO 68	n.a.
A20DTH	2010-	R134a	630	PAG	PAO 68	n.a.
Calibra (7*)	1993-97	R134a	750	90443840	PAO 68 or PAG ISO 150	295
Calibra (8*)	1994-97	R134a	1000	90443840	PAO 68 or PAG ISO 150	295
Campo-Brava Diesel	1994-03	R134a	750	PAG	PAO 68 or PAG ISO 46	260
Corsa B/Combo	1993-08.00	R134a	900	Dens Oil 8	PAO 68 or PAG ISO 46	295
Corsa C engine:	09.00-05					
Z10XE/Z10XEP/Z12XE/Z12XEP/Z14XE/Z14XEP/Z16SE/Z18XE	09.00-07	R134a	650	90510419	PAO 68 or PAG ISO 46	150
Z13DT/Y17DT/Y17DTH	09.00-07	R134a	560	90510419	PAO 68 or PAG ISO 46	120
Y17DTL up to model year 2003	09.00-03	R134a	650	90510419	PAO 68 or PAG ISO 46	120
Y17DTL from model year 2004	2003-07	R134a	560	90510419	PAO 68 or PAG ISO 46	120








						
Opel - Vauxhall						
Corsa D 1.0i/1.2i/1.4i	2007-	R134a	430	PAG	PAO 68 or PAG ISO 46	80
Corsa D 1.3DCDTi/1.5DCDTi/1.7DCDTi	2007-	R134a	520	PAG	PAO 68 or PAG ISO 46	80
Corsa D 1.6iOPC/1.6SRi	2007-	R134a	470	PAG	PAO 68 or PAG ISO 46	80
Combo C engine: model year	2001-					
Z13DT/Y17DT/Z17DTH	2001-	R134a	560	90510419	PAO 68 or PAG ISO 46	120
Z14XEP/Z16SE/Z12XEP	2001-	R134a	650	90510419	PAO 68 or PAG ISO 46	150
Y17DTL	2001-03	R134a	650	90510419	PAO 68 or PAG ISO 46	120
Y17DTL	2004-	R134a	560	90510419	PAO 68 or PAG ISO 46	120
Cavalier/Vectra-A (7*)	1993-95	R134a	750	90443840	PAO 68 or PAG ISO 150	295
Cavalier/Vectra-A (8*)	1994-95	R134a	1000	90443840	PAO 68 or PAG ISO 150	295
Frontera A	1991-02.95	R134a	800	PAG	PAO 68	200
Frontera A	03.95-08.96	R134a	750	PAG	PAO 68	200
Frontera A Diesel	03.95-08.96	R134a	700	PAG	PAO 68	200
Frontera A	09.96-09.98	R134a	650	PAG	PAO 68	200
Frontera B	10.98-03	R134a	650	PAG	PAO 68	270
Insignia	2008-	R134a	600	PAG	PAO 68 or PAG ISO 46	110
With Delphi compressor	2008-	R134a	600	PAG	PAO 68 or PAG ISO 46	150
Meriva Z13DT/Z17DT+DTL+DTH/Z14XEP/Z16SE/Z16+Z18XE/Z16LET	2004-10	R134a	690	Dens Oil 8	PAO 68 or PAG ISO 46	150
Meriva B	06.2010-	R134a	580	PAG	PAO 68	125
Monterey	1994-98	R134a	750	90510394	PAO 68 or PAG ISO 100	270
Monterey Diesel	1994-98	R134a	750	90510395	PAO 68 or PAG ISO 46	270
Monterey 3.0D Turbo/3.5i	1998-01	R134a	750	PAG	PAO 68	150








						
Opel - Vauxhall						
Movano 2.5D/2.8D turbo	1998-03	R134a	800-900	SP 20	PAO 68 or PAG ISO 100	135
Movano 1.9D DTI/2.2D DTI/2.5D DTI	2000-03	R134a	820-880	PAG	PAO 68	n.a.
Movano Diesel (except for Sanden compressor)	2003-06	R134a	820-880	Planetelf 488	PAO 68 or PAG ISO 150	220
7-seater, with air conditioning at the rear	2003-06	R134a	1300	Planetelf 488	PAO 68 or PAG ISO 150	220
16-seater, with air conditioning at the rear	2003-06	R134a	1400	Planetelf 488	PAO 68 or PAG ISO 150	220
Movano Diesel Sanden compressor, without AC at the rear	2003-06	R134a	820-880	SP10	PAO 68 or PAG ISO 46	135
Movano 2.5DCDTi	2006-	R134a	750	PAG	PAO 68 or PAG ISO 150	220
9-seater, with air conditioning at the rear	2006-	R134a	1300	PAG	PAO 68 or PAG ISO 150	240
16-seater, with air conditioning at the rear	2006-	R134a	1400	PAG	PAO 68 or PAG ISO 150	240
Movano B 2.3 D	2010-	R134a	600	PAG	PAO	n.a.
Omega B	1994-03	R134a	950	90443840	PAO 68 or PAG ISO 150	250
Omega 2.0 Diesel	1998-09.00	R134a	950	90445840	PAO 68 or PAG ISO 150	295
Omega 2.5 Turbo Diesel	1994-03	R134a	950	Dens Oil 8	PAO 68 or PAG ISO 46	155
Sintra	1996-99	R134a	910	90443840	PAO 68 or PAG ISO 150	265
Tigra	1995-03	R134a	900	Dens Oil 8	PAO 68 or PAG ISO 46	295
Tigra B engine: Z14XEP/Z18XE	2004-10	R134a	650	90510419	PAO 68 or PAG ISO 46	150
Engine: Z13DT	2004-10	R134a	560	90510419	PAO 68 or PAG ISO 46	120
Vectra B	1995-02	R134a	900-950	90443840	PAO 68 or PAG ISO 150	295
Vectra B 2.5	1995-00	R134a	900-950	Dens Oil 8	PAO 68 or PAG ISO 46	120
Vectra 1.7 Turbo Diesel	1995-96	R134a	900-950	Dens Oil 8	PAO 68 or PAG ISO 46	155
Vectra 2.0 Turbo Diesel - engine code X20DTH	1997-02	R134a	750	90443840	PAO 68 or PAG ISO 150	295








						
Opel - Vauxhall						
Vectra C / Signum engine: model year:	2002-08					
Z16XE/Z18XE/Z32SE/Z20NET/Z22SE/Z22YH/Y20DTH/Y22DTR	2002-08	R134a	730	90509933	PAO 68 or PAG ISO 46	120
Z19DT/Z19DTH	2002-08	R134a	730	90509933	PAO 68 or PAG ISO 46	135
Y30DT	2002-05	R134a	680	90509933	PAO 68 or PAG ISO 46	120
Vivaro 1.9DDI/1.9DDTi/2.0i/2.5DCDTi/2.0 DCTi	2001-08	R134a	700-750	Planet 488	PAO 68 or PAG ISO 150	220
with air conditioning at the rear	2007-	R134a	1100	PAG	PAO 68 or PAG ISO 150	220
Zafira (F75) up to model year 2001	1998-01	R134a	700	90509933	PAO 68 or PAG ISO 46	120
With air conditioning at the rear	1998-01	R134a	950	90509933	PAO 68 or PAG ISO 46	240
Zafira (F75) from model year 2002	2002-05	R134a	600	90509933	PAO 68 or PAG ISO 46	120
With air conditioning at the rear		R134a	725	90509933	PAO 68 or PAG ISO 46	240
Zafira (F75) from model year 2002 engine: Z20LET	2002-05	R134a	700	90509933	PAO 68 or PAG ISO 46	120
With air conditioning at the rear		R134a	800	90509933	PAO 68 or PAG ISO 46	240
Zafira B engine: model year:	2006-					
Z16XEP/Z18XER/Z22YH/Z16XE1	2006-	R134a	450	SP10	PAO 68 or PAG ISO 46	120
Z19DT/Z19DTL/Z19DTH/Z13DTH	2006-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
Z20LER/Z20LEH/Z20LEL	2006-	R134a	450	SP10	PAO 68 or PAG ISO 46	150
Peugeot						
106 - Sanden compressor SD7H13/15	1994-04.96	R134a	850-900	SP20	PAO 68 or PAG ISO 100	135
Sanden compressor SD7V12/16	1994-04.96	R134a	850-900	SP10	PAO 68 or PAG ISO 46	135
106 II	05.96-03	R134a	815-835	SP10	PAO 68 or PAG ISO 46	120-150
106 II Diesel/1.6 GTI	05.96-03	R134a	750	SP10	PAO 68 or PAG ISO 46	120-150








						
Peugeot						
107 1.4 HDi	2005-11	R134a	480-520	ZXL200PG	PAO 68 or PAG ISO 100	80
107 engine: 1.0i	2005-11	R134a	450	ZXL200PG	PAO 68 or PAG ISO 100	80
205	1993-98	R134a	675	SP20	PAO 68 or PAG ISO 100	120-150
206	1998-07	R134a	680-720	SP10	PAO 68 or PAG ISO 46	120-150
206 2.0i/1.6D HDi	04.99-07	R134a	650	PAG	PAO 68 or PAG ISO 46	120-150
206 CC 1.6i	2000-07	R134a	680-720	SP10	PAO 68 or PAG ISO 46	120-150
206 CC 2.0i/1.6D HDi	2000-07	R134a	630-670	SP10	PAO 68 or PAG ISO 46	120-150
207 1.4i/1.6i/1.4D HDi/1.6D HDi/1.4+1.6VTi	2006-11	R134a	450	SP10	PAO 68 or PAG ISO 46	135
207 CC 1.6THP/1.6VTi/ 1.6DHDi	2007-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
307 1.4i/1.6i/2.0i/1.4HDi/2.0HDi up to orga no. 10080 (i)	2001-06.04	R134a	585	SP10	PAO 68 or PAG ISO 46	135
307/307CC 1.4i/1.6i/2.0i/1.4HDi/2.0HDi from orga no. 10080 (i)	06.04-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
307 1.6HDi up to orga no.10218 (i)	2004-11.04	R134a	585	SP10	PAO 68 or PAG ISO 46	135
307/307CC 1.6HDi from orga no. 10218 (i)	11.04-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
307 1.4i16V	2004-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
306 Sanden compressor SD7H	1993-97	R134a	875-925	SP20	PAO 68 or PAG ISO 100	120-150
306 Sanden compressor SD7V	1993-97	R134a	875-925	SP10	PAO 68 or PAG ISO 46	120-150
306	1997-03	R134a	700-750	SP10	PAO 68 or PAG ISO 46	120-150
308 1.4VTi/1.6VTi/1.6THP	2007-	R134a	450	Dens Oil 8	PAO 68 or PAG ISO 46	80
308 1.6HDi/2.0HDi	2007-	R134a	450	Dens Oil 8	PAO 68 or PAG ISO 46	135
405 II Sanden compressor SD7H13/15	1993-97	R134a	675	SP20	PAO 68 or PAG ISO 100	120-150
Sanden compressor SD7V12/16	1993-97	R134a	675	SP10	PAO 68 or PAG ISO 46	120-150








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Peugeot						
406 - Delphi compressor	1995-99	R134a	750	Planetelf PAG 488	PAO 68 or PAG ISO 150	250-280
Sanden compressor	1995-99	R134a	780-820	SP10	PAO 68 or PAG ISO 46	120-150
406 V6	1997-99	R134a	750	SP10	PAO 68 or PAG ISO 46	120-150
406 1.6/1.8/2.0 - engine code XU	1999-04	R134a	775	SP10	PAO 68 or PAG ISO 46	120-150
406 2.0 - engine code EW10	1999-04	R134a	620	SP10	PAO 68 or PAG ISO 46	120-150
406 3.0i	1999-04	R134a	750	SP10	PAO 68 or PAG ISO 46	120-150
406 2.2 HDI	1999-04	R134a	620	UCON RL 488	PAO 68 or PAG ISO 150	250-280
407 1.8i/2.0i/2.2i/3.0i	2004-10	R134a	600-650	SP10	PAO 68 or PAG ISO 46	135
407 2.0HDI/2.2HDI/2.7HDI	2004-10	R134a	525	SP10	PAO 68 or PAG ISO 46	135
605 2.5D Turbo	1995-09.99	R134a	850	SP10	PAO 68 or PAG ISO 46	120-150
605 V6 - engine code ESJ	1997-09.99	R134a	875	SP10	PAO 68 or PAG ISO 46	120-150
605 - Sanden compressor SD7H13/15	1994-99	R134a	885	SP20	PAO 68 or PAG ISO 100	120-150
Sanden compressor SD7V12/16	1994-99	R134a	885	SP10	PAO 68 or PAG ISO 46	120-150
607	2000-05	R134a	625	PAG	PAO 68 or PAG ISO 46	120-150
607 (Facelift)	2005-	R134a	525-575	SP10	PAO 68 or PAG ISO 46	135
607 (Facelift) 2.7HDI (DT17)	2005-	R134a	575-625	SP10	PAO 68 or PAG ISO 46	135
806	06.94-07.02	R134a	940-980	SP10	PAO 68 or PAG ISO 46	120-150
807 2.0i/2.2i/3.0i/2.2DHDi	2002-10	R134a	640	SP10	PAO 68 or PAG ISO 46	135
807 2.0DHDi	2002-10	R134a	540	SP10	PAO 68 or PAG ISO 46	135
1007	2005-	R134a	580-620	SP10	PAO 68 or PAG ISO 46	135
4007	2007-	R134a	500	PAG	PAO 68	90
Expert	1995-07	R134a	940-980	SP10	PAO 68 or PAG ISO 46	120-150







						
Peugeot						
Expert 2.0i/1.6HDI/2.0HDI	05.2007-	R134a	675	SP10	PAO 68 or PAG ISO 46	135
With air conditioning at the rear, short wheelbase	05.2007-	R134a	950	SP10	PAO 68 or PAG ISO 46	160
With air conditioning at the rear, long wheelbase	05.2007-	R134a	1075	SP10	PAO 68 or PAG ISO 46	160
Boxer	94-09.96	R134a	950-1050	SP20	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	94-09.96	R134a	1150-1250	SP20	PAO 68 or PAG ISO 100	135
Boxer	10.96-03.02	R134a	750-850	SP20	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	10.96-03.02	R134a	950-1050	SP20	PAO 68 or PAG ISO 100	135
Boxer II (244)	04.02-2006	R134a	750-850	SP20	PAO 68 or PAG ISO 100	135
Boxer III 2.2HDI/3.0HDI	04.2006-	R134a	550	SP10	PAO 68 or PAG ISO 46	200
With air conditioning at the rear	04.2006-	R134a	950	SP10	PAO 68 or PAG ISO 46	220
Partner 1.1/1.4/1.6 carburetor	1996-00	R134a	850-900	SP20	PAO 68 or PAG ISO 100	135
Partner 1.1i/1.4i/1.6i	1996-05	R134a	850-900	SP10	PAO 68 or PAG ISO 46	135
Partner 1.8i/1.8D/1.9D (XUD)/2.0HDI	1996-05	R134a	700-750	SP10	PAO 68 or PAG ISO 46	135
Partner 1.9D (DW8)	1996-05	R134a	750-800	SP10	PAO 68 or PAG ISO 46	135
Partner Facelift	2005-08	R134a	550-600	SP10	PAO 68 or PAG ISO 46	135
Partner III 1.6i / 1.6HDI	2008-	R134a	450	SP10	PAO 68 or PAG ISO 46	135
Porsche						
911 (993)	1993-08.97	R134a	840	Dens Oil 8	PAO 68 or PAG ISO 46	80-120
911 (996)	1998-07	R134a	900	PAG 46	PAO 68 or PAG ISO 46	180-210
968	1993-96	R134a	860	PAG	PAO 68	100-140
Boxster (986)	1996-11.04	R134a	850	PAG 46	PAO 68 or PAG ISO 46	180-210








						
Porsche						
Carrera GT 5.7	2003-07	R134a	600	PAG 46	PAO 68 or PAG ISO 46	140
Cayenne (955) 3.2/S4.5/Turbo4.5	2002-07	R134a	700	PAG 46	PAO 68 or PAG ISO 46	190-210
With air conditioning at the rear	2002-07	R134a	1050	PAG 46	PAO 68 or PAG ISO 46	290-310
Proton						
413	1995-01	R134a	500-600	PAG	PAO 68	n.a.
420	1996-01	R134a	500-600	PAG	PAO 68	n.a.
Gen-2 1.3i/ 1.6i	2004-	R134a	600	SP10	PAO 68 or PAG ISO 46	120
Impian/Waja 1.6i	2001-07	R134a	575	Dens Oil 8	PAO 68 or PAG ISO 46	120
Satria Neo 1.3i/ 1.6i	2006-	R134a	550	SP10	PAO 68 or PAG ISO 46	135
Savvy 1.2i	2005-	R134a	500	SP10	PAO 68 or PAG ISO 46	135
Renault						
Avantime 2.0i Turbo	2000-04	R134a	855-905	Planetelf PAG488	PAO 68 or PAG ISO 150	220
Avantime 3.0i	2000-04	R134a	855-905	SP10	PAO 68 or PAG ISO 46	135
Clio	1994-98	R134a	625-695	SP10	PAO 68 or PAG ISO 46	120-150
Clio II	09.98-05	R134a	630-690	SP10	PAO 68 or PAG ISO 46	135
Clio II 2.0i	1999-04	R134a	680-740	SP10	PAO 68 or PAG ISO 46	135
Clio 3	06.05-11	R134a	505-565	PAG 46	PAO 68 or PAG ISO 46	125-145
Espace II	1994-97	R134a	1225-1275	SP20	PAO 68 or PAG ISO 100	120-150
Espace III	12.96-02	R134a	850-910	SP20	PAO 68 or PAG ISO 100	120-150
Espace V6 24V	1998-02	R134a	865-915	SP10	PAO 68 or PAG ISO 46	135








						
Renault						
Espace 1.9 D Turbo	1999-02	R134a	700-740	SP10	PAO 68 or PAG ISO 46	120-150
Espace 2.2 D Turbo	1996-00	R134a	770-830	SP20	PAO 68 or PAG ISO 100	120-150
Espace IV (JKO) 1.9DdCi/2.0i/2.0i Turbo	2002-10	R134a	965-1035	SP10	PAO 68 or PAG ISO 46	190-210
Espace IV (JKO) 2.2DdCi/3.0DdCi/3.5i/2.0DdCi	2002-10	R134a	965-1035	SP10	PAO 68 or PAG ISO 46	210-230
Extra/Express/Rapid	1994-03.98	R134a	645-715	SP10	PAO 68 or PAG ISO 46	120-150
Kangoo	1998-09	R134a	615-685	SP10	PAO 68 or PAG ISO 46	120-150
Koleos 2.5i / 2.0dCi	2008-	R134a	550	Sanden SP 10	PAO 68 or PAG ISO 46	120
Laguna	1994-00	R134a	670-730	SP10	PAO 68 or PAG ISO 46	120-150
Laguna 2.0 - engine code F3P 670/674	1994-00	R134a	750-810	SP10	PAO 68 or PAG ISO 46	120-150
Laguna 2.0 16V - engine code N7Q	1996-99	R134a	775-825	SP20	PAO 68 or PAG ISO 100	135
Laguna 2.0 16V - engine code F4R	1999-03	R134a	625-695	SP10	PAO 68 or PAG ISO 46	120-150
Laguna 2.2 D/3.0 V6	1994-00	R134a	750-810	SP10	PAO 68 or PAG ISO 46	135
Laguna 2.2 D Turbo/1.9DdTi	1996-01	R134a	670-730	SP10	PAO 68 or PAG ISO 46	120-150
Laguna II (XGO) 1.6i/1.8i/1.9DdCi/2.2DdCi	2001-05	R134a	625-675	Planetelf PAG488	PAO 68 or PAG ISO 150	240-260
Laguna II (XGO) 2.0i/2.0 IDE	2001-05	R134a	670-730	Planetelf PAG488	PAO 68 or PAG ISO 150	240-260
Laguna II (XGO) 3.0i	2001-05	R134a	625-675	SP10	PAO 68 or PAG ISO 46	120-150
Laguna II	2005-08	R134a	650	Planetelf 488	PAO 68 or PAG ISO 150	220
Laguna II engine: G9T706+G9T707 (2.2dCi)	2005-09	R134a	650	Planetelf 488	PAO 68 or PAG ISO 150	250
Laguna II engine: L7X733 (3.0i)	2005-09	R134a	650	SP10	PAO 68 or PAG ISO 46	135
Laguna III (BT/01)	10.2007-	R134a	650	SP10	PAO 68 or PAG ISO 46	150
Master II 2.5D/2.8DTi	1998-03	R134a	820-880	SP20	PAO 68 or PAG ISO 100	135








						
Renault						
Master II 1.9DdCi /2.2D dCi/ 2.5D dCi	2000-10.2003	R134a	850	Planetelf488	PAO 68 or PAG ISO 150	220
9-seater/16-seater	2000-10.2003	R134a	1350	Planetelf488	PAO 68 or PAG ISO 150	250
with Sanden compressor	2000-10.2003	R134a	850	Sanden SP 10	PAO 68 or PAG ISO 46	135
9-seater/16-seater with Sanden compressor	2000-10.2003	R134a	1350	Sanden SP 10	PAO 68 or PAG ISO 46	155
Master II 2.8 D dCi	10.2003-07	R134a	850	Sanden SP 10	PAO 68 or PAG ISO 46	135
Master II 3.0 D Dxi	10.2003-07	R134a	750	Sanden SP 10	PAO 68 or PAG ISO 46	135
Master II 3.0D DXI	2007-10	R134a	750	Sanden SP 10	PAO 68 or PAG ISO 46	135
Mégane - Delphi compressor	1995-99	R134a	720-780	Planetelf PAG 488	PAO 68 or PAG ISO 150	205-235
Sanden compressor	1995-99	R134a	725-775	SP10	PAO 68 or PAG ISO 46	135
Mégane 1.4i/1.6i/2.0i	1999-03	R134a	720-780	Planetelf PAG 488	PAO 68 or PAG ISO 150	205-235
Mégane 1.9D/1.9DdTi	1999-03	R134a	720-780	PAG	PAO 68	205-235
Mégane 1.9DdCi	1999-03	R134a	745-815	Planetelf PAG488	PAO 68 or PAG ISO 150	205-235
Mégane II (XMO) 1.4i/1.5DdCi/1.6i/1.9DdCi/2.0i /2.0dCi	2003-08	R134a	550	Planetelf PAG488	PAO 68 or PAG ISO 150	150
Mégane Scenic	09.96-99	R134a	765-835	PAG	PAO 68 or PAG ISO 46	120-150
Modus	2004-10	R134a	510	SP10	PAO 68 or PAG ISO 46	135
R19	1994-96	R134a	800	SP10	PAO 68 or PAG ISO 46	120-150
R21	1994-95	R134a	715-785	SP20	PAO 68 or PAG ISO 100	120-150
Safrane	1995-00	R134a	815-885	SP10	PAO 68 or PAG ISO 46	120-150
Safrane 2.0 16V/2.5 20V/2.2 D Turbo	1996-12.00	R134a	750-810	SP10	PAO 68 or PAG ISO 46	120-150
Scenic (JA) 1.4i/1.6i	09.99-03	R134a	720-780	Planetelf PAG488	PAO 68 or PAG ISO 150	205-235
Scenic (JA) 2.0i/1.9DdTi/1.9DdCi	09.99-03	R134a	645-715	Planetelf PAG488	PAO 68 or PAG ISO 150	205-235
Scenic II (JMO) 1.4i/1.5DdCi/1.6i/2.0i/1.9DdCi/2.0DdCi	2003-09	R134a	550	Planetelf PAG488	PAO 68 or PAG ISO 150	150








						
Renault						
Scenic/Grand Scenic III 1.4i/1.6i/1.5dCi/1.9dCi/2.0dCi	2009-	R134a	480	ND8	PAO 68 or PAG ISO 46	110
Scenic/Grand Scenic III 2.0i	2009-	R134a	510	ZXL100PG	PAO 68 or PAG ISO 46	150
Twingo 1.2i (C3G)	1993-97	R134a	615-685	SP10	PAO 68 or PAG ISO 46	120-150
Twingo 1.2i (D7F) / 1.2i 16V (D4F)	1997-07	R134a	710-770	SP10	PAO 68 or PAG ISO 46	120-150
Trafic 1.9DdCi (F9Q760)	2001-08	R134a	700-725	Planetelf PAG488	PAO 68 or PAG ISO 150	220-235
Trafic 1.9DdCi (F9Q762)/2.0i/2.5DdCi	2001-06	R134a	720-780	Planetelf PAG488	PAO 68 or PAG ISO 150	220-235
Vel Satis 2.0iTurbo/3.5i	2000-08	R134a	615-685	Planetelf PAG488	PAO 68 or PAG ISO 150	250
Rover						
Vel Satis 2.2DdCi/3.0 DdCi	2000-08	R134a	615-685	Planetelf PAG488	PAO 68 or PAG ISO 150	265
200-Series	1994-95	R134a	710	SP10	PAO 68 or PAG ISO 46	120-135
200-Series RHD	1995-99	R134a	535-585	SP10	PAO 68 or PAG ISO 46	135
200-Series LHD	1995-99	R134a	612-665	SP10	PAO 68 or PAG ISO 46	135
216/218 Coupé/Cabrio RHD	1996-99	R134a	535-585	SP10	PAO 68 or PAG ISO 46	135
216/218 Coupé/Cabrio LHD	1996-99	R134a	612-665	SP10	PAO 68 or PAG ISO 46	135
25 RHD	1999-05	R134a	540-580	SP10	PAO 68 or PAG ISO 46	135
25 LHD	1999-05	R134a	620-660	SP10	PAO 68 or PAG ISO 46	135
400-Series	1994-95	R134a	710	SP10	PAO 68 or PAG ISO 46	120-135
400-Series RHD	1995-99	R134a	535-585	SP10	PAO 68 or PAG ISO 46	135
400-Series LHD	1995-99	R134a	612-665	SP10	PAO 68 or PAG ISO 46	135
416 Tourer RHD	1996-99	R134a	535-585	SP10	PAO 68 or PAG ISO 46	135
416 Tourer LHD	1996-99	R134a	612-665	SP10	PAO 68 or PAG ISO 46	135








						
Rover						
45 RHD	1999-05	R134a	535-585	SP10	PAO 68 or PAG ISO 46	135
45 LHD	1999-05	R134a	615-665	SP10	PAO 68 or PAG ISO 46	135
600-Series	1993-99	R134a	700-750	Dens Oil 8	PAO 68 or PAG ISO 46	160
75	1999-05	R134a	400-500	Dens Oil 8	PAO 68 or PAG ISO 46	110-130
820	1994-99	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	155
825	1996-99	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	80-120
827	1994-96	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	100
825 2.5 D Turbo	1994-96	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	155
825 2.5 D Turbo	1996-99	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	80-120
MGF	1995-02	R134a	620	SK20	PAO 68 or PAG ISO 100	170
Streetwise LHD	2003-05	R134a	620-660	SP10	PAO 68 or PAG ISO 46	135
Streetwise RHD	2003-05	R134a	540-580	SP10	PAO 68 or PAG ISO 46	135
Saab						
900 Seiko Seiki compressor	1993-96	R134a	725	16 4074 787	PAO 68 or PAG ISO 100	200
900 Sanden compressor	1997-98	R134a	725	SP10	PAO 68 or PAG ISO 46	150
9-3 Petrol (YS3D)	1998-03	R134a	800	16 4759 106	PAO 68 or PAG ISO 46	150
9-3 Diesel (YS3D)	1998-03	R134a	800	16 4774 787	PAO 68 or PAG ISO 100	295
9-3 (YD3F) 2.0i/2.2D/2.2TiD/1.8i/1.9TiD/2.8t/1.9D	2003-10	R134a	675	16 4759 106	PAO 68 or PAG ISO 46	130
9000 Seiko Seiki compressor	1992-98	R134a	950	16 4074 787	PAO 68 or PAG ISO 100	200
9000 Sanden compressor	1992-98	R134a	950	16 4759 106	PAO 68 or PAG ISO 46	200
9-5	1997-05	R134a	875	Dens Oil 8	PAO 68 or PAG ISO 46	145








						
Saab						
9-5 1.9D TiD	2005-09	R134a	825	16 4759 106	PAO 68 or PAG ISO 46	120
9-5 2.0i/2.3i BioPower/2.0i+2.3i Turbo +/2.3 Aero	2005-09	R134a	825	PAG	PAO 68 or PAG ISO 46	145
Seat						
Alhambra	10.95-00	R134a	950-1000	PAG	PAO 68 or PAG ISO 46	135
with air conditioning at the rear	1996-00	R134a	1350-1400	PAG	PAO 68 or PAG ISO 46	240
Alhambra	06.00-10	R134a	700-750	PAG	PAO 68 or PAG ISO 46	135
with air conditioning at the rear	06.00-10	R134a	1050-1100	PAG	PAO 68 or PAG ISO 46	240
Altea Denso compressor 7SEU17C	2004-11	R134a	500-550	PAG	PAO 68 or PAG ISO 46	130-150
Altea Sanden compressor	2004-11	R134a	500-550	PAG	PAO 68 or PAG ISO 46	100-120
Altea Zexel compressor	2004-11	R134a	500-550	PAG	PAO 68 or PAG ISO 46	105-135
Altea Denso compressor 7SEU16C	2004-11	R134a	500-550	PAG	PAO 68 or PAG ISO 46	180
Arosa Sanden compressor SD7B	1997-00	R134a	700-750	PAG	PAO 68 or PAG ISO 46	100
Arosa compressor: Sanden SD6V	2000-05	R134a	700-750	PAG	PAO 68 or PAG ISO 46	120
Ibiza II/Cordoba RHD	1993-99	R134a	900-930	PAG	PAO 68 or PAG ISO 46	115-130
Ibiza II/Cordoba LHD	1993-99	R134a	850-880	PAG	PAO 68 or PAG ISO 46	115-130
Ibiza III/Cordoba RHD	1999-02	R134a	775	PAG	PAO 68 or PAG ISO 46	135
Ibiza III/Cordoba LHD	1999-02	R134a	775	PAG	PAO 68 or PAG ISO 46	135
Ibiza IV/Cordoba (6L2)	2002-03.08	R134a	525-575	PAG	PAO 68 or PAG ISO 46	140
Ibiza V (6J) with Denso compressor	03.2008-	R134a	500	G 052 300 A2	PAO 68 or PAG ISO 46	140
Ibiza V (6J) with Sanden compressor	03.2008-	R134a	500	G 052 300 A2	PAO 68 or PAG ISO 46	110
Ibiza V (6J) with Zexel/Valeo compressor	03.2008-	R134a	500	G 052 300 A2	PAO 68 or PAG ISO 46	120








						
Seat						
Inca RHD	1995-03	R134a	885-940	PAG	PAO 68 or PAG ISO 46	110-130
Inca LHD	1995-03	R134a	840-890	PAG	PAO 68 or PAG ISO 46	110-130
Leon	1999-05	R134a	750-800	PAG	PAO 68 or PAG ISO 46	120-150
Leon II Denso 7SEU17C compressor	2005-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	130-150
Leon II Sanden PXE16 compressor	2005-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	100-120
Leon II Zexel DSC17E compressor	2005-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	105-135
Leon II Denso compressor 7SEU16C	2004-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	180
Toledo I RHD	1993-99	R134a	870-930	PAG	PAO 68 or PAG ISO 46	110-130
Toledo I LHD	1993-99	R134a	820-880	PAG	PAO 68 or PAG ISO 46	110-130
Toledo II	1999-05	R134a	750-800	PAG	PAO 68 or PAG ISO 46	120-150
Toledo III (5P2) Denso compressor	10.04-	R134a	525	G052 154 A2	PAO 68 or PAG ISO 46	140
Toledo III (5P2) Sanden compressor	10.04-	R134a	525	G052 154 A2	PAO 68 or PAG ISO 46	110
Toledo III (5P2) Zexel compressor	10.04-	R134a	525	G052 154 A2	PAO 68 or PAG ISO 46	120
Skoda						
Fabia	2000-07	R134a	525-575	G052 300 A2	PAO 68 or PAG ISO 46	130-150
Fabia II	2007-	R134a	550	G052 300 A2	PAO 68 or PAG ISO 46	140
Felicia 1.3	1996-01	R134a	750-780	SP20	PAO 68 or PAG ISO 100	135
Felicia 1.6	1996-01	R134a	720-750	SP10	PAO 68 or PAG ISO 46	100
Octavia (1U)	1996-05	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	120-150
Octavia II (1Z) Denso compressor 7SEU17C	06.04-	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	130-150
Octavia II (1Z) Sanden compressor	06.04-	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	100-120








						
Skoda						
Octavia II (1Z) Zexel compressor	06.04-	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	105-135
Octavia II (1Z) Denso compressor 7SEU16C	06.04-	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	180
Roomster	2006-	R134a	525-575	G052 300 A2	PAO 68 or PAG ISO 46	140
Superb	2002-08	R134a	575-625	G052 300 A2	PAO 68 or PAG ISO 46	250
Superb II	2008-	R134a	525	PAG	PAO 68 or PAG ISO 46	180
Yeti	2009-	R134a	525	PAG	PAO 68 or PAG ISO 46	n.a.
Smart (MCC)						
Cabrio, City Coupe, Roadster, Crossblade (450)	1998-03	R134a	620	A001 989 0803	PAO 68 or PAG ISO 46	180
Cabrio, City, Fortwo (450)	2003-07	R134a	450	A001 989 0803	PAO 68 or PAG ISO 46	180
Forfour (454)	2004-06	R134a	440	A001 989 0803	PAO 68 or PAG ISO 46	100
Fortwo (451)	2007-	R134a	420	PAG	PAO 68	n.a.
Fortwo (451.391/491) electric drive	2010-	R134a	550			n.a.
Roadster, Coupe (452)	2003-06	R134a	650	A001 989 0803	PAO 68 or PAG ISO 46	180
Ssangyong						
Actyon 2.0D	2006-	R134a	650	PAG	PAO 68	n.a.
Korando	1997-99	R134a	650-750	ZXL 200 PG	PAO 68 or PAG ISO 100	200
Kyron	2005-	R134a	600-700	PAG	PAO 68	265
Musso	1996-99	R134a	650-750	ZXL 200 PG	PAO 68 or PAG ISO 100	200
Musso (FJ)	1999-06	R134a	650-750	PAG	PAO 68	n.a.








						
Ssangyong						
Rexton	2002-08	R134a	800-900	PAG	PAO 68 or PAG ISO 150	265
With air conditioning at the rear	2002-08	R134a	1150-1250	PAG	PAO 68 or PAG ISO 150	265
Rodius 2.7D	2005-	R134a	1050	PAG	PAO 68	n.a.
Subaru						
Forester (SF) RHD	1997-03	R134a	650-750	ZXL 200 PG	PAO 68 or PAG ISO 100	245
Forester (SF) LHD	1997-03	R134a	550-650	DH-PR	PAO 68 or PAG ISO 46	145
Forester (SG) 2.0i/2.0i Turbo/2.5i	2003-06	R134a	550-650	ZXL 200 PG	PAO 68 or PAG ISO 100	145
Impreza LHD	1994-11.00	R134a	550-650	DH-PR	PAO 68 or PAG ISO 100	145
Impreza RHD	1994-00	R134a	550-650	PAG	PAO 68 or PAG ISO 100	245
Impreza LHD 1.6i/2.0i/2.0i Turbo/1.5i/2.5i	2001-07	R134a	450-550	ZXL 200PG	PAO 68 or PAG ISO 100	n.a.
Impreza RHD 1.6i/2.0i/2.0i Turbo/1.5i/2.5i	2001-07	R134a	450-550	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Impreza	2007-	R134a	500	PAG	PAO 68	n.a.
Justy (G3X) 1.3i/1.5i	2003-07	R134a	430	PAG	PAO 68	90
Justy IV	2007-	R134a	300	PAG	PAO 68	n.a.
Legacy	1994-95	R134a	600-700	ZXL 100 PG	PAO 68 or PAG ISO 46	150
Legacy LHD	1.96-12.96	R134a	600-700	PAG	PAO 68 or PAG ISO 100	n.a.
Legacy LHD	1.97-1999	R134a	550-650	PAG	PAO 68 or PAG ISO 100	n.a.
Legacy LHD	2000-03	R134a	600-700	PAG	PAO 68 or PAG ISO 100	n.a.
Legacy RHD	1.96-12.96	R134a	700-800	PAG	PAO 68 or PAG ISO 100	n.a.
Legacy RHD	1.97-1999	R134a	775-825	PAG	PAO 68 or PAG ISO 100	n.a.
Legacy RHD	2000-03	R134a	625-675	PAG	PAO 68 or PAG ISO 100	n.a.








						
Subaru						
Legacy/ Legacy Outback (BL/ BP)	2003-09	R134a	430	PAG	PAO 68	n.a.
Outback	2003-09	R134a	430	PAG	PAO 68	n.a.
SVX	1994-97	R134a	650	ZXL 100 PG	PAO 68 or PAG ISO 46	150
Tribeca (B9)	2005-08	R134a	600	PAG	PAO 68	n.a.
Suzuki						
Alto	1997-02	R134a	500-600	PAG	PAO 68	n.a.
Alto	06.02-	R134a	400	ND8	PAO 68 or PAG ISO 46	n.a.
Baleno	1995-03	R134a	600	PAG	PAO 68	150
Cappuccino	1993-96	R134a	700	PAG	PAO 68	150
Grand Vitara	1998-00	R134a	500-600	PAG	PAO 68	n.a.
Grand Vitara 1.6i/2.0i/2.5i/2.0 D Turbo Seiko compressor	2000-05	R134a	390-490	RS 20	PAO 68	120
Denso compressor	2000-05	R134a	390-490	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Grand Vitara 2.7 V6	2001-05	R134a	450-550	Dens Oil 8	PAO 68 or PAG ISO 46	100
Grand Vitara 1.6i	10.05-	R134a	570	PAG	PAO 68	120
Grand Vitara 1.9D DDiS/2.0i	10.05-	R134a	570	PAG	PAO 68	160
Ignis	2000-03	R134a	330-390	PAG	PAO 68	n.a.
Ignis II 1.3i/1.5i	09.03-	R134a	430	PAG	PAO 68	90
Ignis II 1.3D DDiS	09.03-	R134a	480	SP10	PAO 68 or PAG ISO 46	100
Jimny	1998-03	R134a	500-600	PAG	PAO 68	n.a.
Jimny 1.3i	2004-	R134a	430	99000-99088-00D0	PAO 68	120
Jimny 1.5D DDiS	2004	R134a	550	99000-99088-00D0	PAO 68	120








						
Suzuki						
Liana	2001-08	R134a	470-530	PAG	PAO 68	n.a.
Splash	2008-	R134a	370	PAG	PAO 68	90
Super Carry 1.3i	1999-06	R134a	500-560	PAG	PAO 68	n.a.
Swift	1993 ->	R134a	700	PAG	PAO 68	n.a.
Swift 1.3i/1.5i/1.6i	2004-10	R134a	370	SP10	PAO 68 or PAG ISO 46	60
Swift 1.3D	2004-10	R134a	370	SP10	PAO 68 or PAG ISO 46	100
SX4 1.5i/ 1.6i	2006-	R134a	430	SP10	PAO 68 or PAG ISO 46	60
Wagon R (EM)	1997-00	R134a	500-600	PAG	PAO 68	n.a.
Wagon R (MM) 1.0i/1.2i/1.3D DDiS	05.00-	R134a	480	SP10	PAO 68 or PAG ISO 46	n.a.
Wagon R (MM) 1.3i	2000-06	R134a	450-500	PAG	PAO 68	n.a.
Tata						
Safari 1.9D	1999-07	R134a	1150	Dens Oil 8	PAO 68 or PAG ISO 46	220
Toyota						
4Runner RHD	1993-96	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
4Runner LHD	1993-96	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Auris	2007-	R134a	450	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Avensis (T22)	1998-03	R134a	410-470	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Avensis (T25)	2003-09	R134a	410-470	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Avensis (T27)	2009-	R134a	440	ND8	PAO 68 or PAG ISO 46	n.a.








						
Toyota						
Avensis Verso	2001-06	R134a	470-530	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	2001-2006	R134a	770-830	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Aygo	2005-	R134a	500	ZXL200PG	PAO 68 or PAG ISO 100	80
Camry	1994-96	R134a	850	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Camry (V20)	1996-01	R134a	750-850	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Camry (V30)	11.01-05	R134a	520-580	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Carina E	1992-98	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Celica (T20)	1994-11.99	R134a	600-700	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Celica (ZZT23)	1999-06	R134a	400-460	Dens Oil 8	PAO 68 or PAG ISO 46	120
Corolla	1994-97	R134a	650-750	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Corolla	1997-00	R134a	600-700	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Corolla 1.9D - manufactured in Japan	2000-02	R134a	600-700	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Corolla 1.9D - manufactured in Great Britain	2000-02	R134a	450-490	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Corolla (E12U)	2002-08	R134a	425-475	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Corolla	2008-	R134a	440	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Hi-Lux	1993-96	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Hi-Lux	1997-05	R134a	500-600	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Hi-Lux	08.2005-10	R134a	450	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
iQ	2008-	R134a	370	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser 3.4	1996-03	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	1996-03	R134a	900-1000	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser 4.5	1995-98	R134a	750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.








						
Toyota						
Landcruiser Amazon 4.7/4.2 Turbo D	1998-00	R134a	750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser 3.0 Turbo D	1993-96	R134a	850-900	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	1993-96	R134a	1550-1650	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser Colorado/Prado	1997-99	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	1997-99	R134a	900-1000	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser Amazon 4.2 Turbo D	1995-98	R134a	800-900	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser (J12)	2003-07.04	R134a	620-680	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
With coolbox	2003-07.04	R134a	720-780	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	2003-07.04	R134a	770-830	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear + with coolbox	2003-07.04	R134a	870-930	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Landcruiser (J12)	07.04-	R134a	600	PAG	PAO 68 or PAG ISO 46	125
With coolbox	07.04-	R134a	700	PAG	PAO 68 or PAG ISO 46	125
With air conditioning at the rear	07.04-	R134a	750	PAG	PAO 68 or PAG ISO 46	180
With air conditioning at the rear + with coolbox	07.04-	R134a	850	PAG	PAO 68 or PAG ISO 46	180
MR2 (W2)	11.93-00	R134a	800-900	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
MR2 (W3)	2000-06	R134a	470-530	ND Oil 8	PAO 68 or PAG ISO 46	n.a.
Paseo	1996-99	R134a	550-650	Dens Oil 9	PAO 68 or PAG ISO 100	n.a.
Picnic	1996-00	R134a	700-800	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Previa	08.93-06	R134a	850-950	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
With air conditioning at the rear	08.93-06	R134a	1100-1200	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Previa	08.00-06	R134a	670-730	PAG	PAO 68 or PAG ISO 46	120
With air conditioning at the rear	08.00-06	R134a	850-910	PAG	PAO 68 or PAG ISO 46	120








						
Toyota						
Prius (NHW11)	1999-04	R134a	450-550	PAG	PAO 68 or PAG ISO 46	120
Prius	2004-09	R134a	420-480	ND Oil 11		n.a.
Prius 1.8HSD	2009-	R134a	470	ND Oil 11		n.a.
RAV4	1994-00	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
RAV4 (XA2)	06.00-06	R134a	480-540	PAG	PAO 68 or PAG ISO 46	120
RAV 4 III (ACA/ACE)	2006-10	R134a	400-460	Dens Oil 8	PAO 68 or PAG ISO 46	130
Starlet	1994-96	R134a	650	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Starlet	1996-99	R134a	550-650	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Supra	1993-97	R134a	650-750	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Yaris 1.1i/1.3i/1.5i	1999-2002	R134a	400-460	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Yaris 1.1i/1.3i/1.5i	2002-06	R134a	380-440	ND8	PAO 68 or PAG ISO 46	n.a.
Yaris 1.4D	2002-06	R134a	410-470	ND8	PAO 68 or PAG ISO 46	n.a.
Yaris 1.0i/1.3i/1.4D	2006-	R134a	370	Dens Oil 8	PAO 68 or PAG ISO 46	n.a.
Volkswagen						
Beetle	1998-09	R134a	700-750	G052 154 A2	PAO 68 or PAG ISO 46	120-150
Caddy II	1995-03	R134a	850-880	G052 154 A2	PAO 68 or PAG ISO 46	115
Caddy III Denso compressor 7SEU17C	03.04-09	R134a	500-550	PAG	PAO 68 or PAG ISO 46	130-150
Caddy III Sanden compressor	03.04-09	R134a	500-550	PAG	PAO 68 or PAG ISO 46	100-120
Caddy III Denso compressor 7SEU16C	03.04-09	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	180
Caddy III Zexel compressor	03.04-09	R134a	500-550	PAG	PAO 68 or PAG ISO 46	105-135
Corrado	07.92-95	R134a	850-900	G052 154 A2	PAO 68 or PAG ISO 46	115

						
Volkswagen						
Crafter	2006-	R134a	740	G052 300 A2	PAO 68 or PAG ISO 46	180-200
Eos	2006-11	R134a	500-550	PAG	PAO 68 or PAG ISO 46	120
Fox Delphi compressor	2005-11	R134a	425-475	G052 154 A2	PAO 68 or PAG ISO 46	150
Golf III/Vento/Cabrio - Harrison compressor	07.92-09.97	R134a	800-850	PAG	PAO 68 or PAG ISO 150	250
Sanden compressor	06.95-09.97	R134a	800-850	G052 154 A2	PAO 68 or PAG ISO 46	115
Golf IV/Bora	10.97-05	R134a	750-800	G052 154 A2	PAO 68 or PAG ISO 46	120-150
Golf V Denso compressor 7SEU17C	2003-08	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	130-150
Golf V Sanden compressor	2003-08	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	100-120
Golf V Zexel compressor	2003-08	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	105-135
Golf V Denso compressor 7SEU16C	2003-08	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	180
Golf VI 1.4i/ 1.4TSi/ 1.6i/ 1.6 Flex fuel/ 2.0TDi/ 2.0GTD	2008-	R134a	525	G052 300 A2	PAO 68 or PAG ISO 46	110
Jetta Sanden PXE16 compressor	2005-	R134a	500-550	PAG	PAO 68 or PAG ISO 46	110
Jetta Denso compressor SEU16C	2005-	R134a	525	G052 300 A2	PAO 68 or PAG ISO 46	180
Jetta Zexel compressor	2005-	R134a	525	G052 300 A2	PAO 68 or PAG ISO 46	120
LT: Denso compressor	1996-03	R134a	750-800	PAG	PAO 68 or PAG ISO 46	175
LT: Sanden compressor	1996-03	R134a	750-800	PAG	PAO 68 or PAG ISO 46	135
Lupo: Sanden compressor	1998-00	R134a	700-750	G052 154 A2	PAO 68 or PAG ISO 46	105-135
Calsonic compressor	06.99-05	R134a	550-600	PAG	PAO 68 or PAG ISO 46	140-160
Denso compressor	11.00-05	R134a	550-575	PAG	PAO 68 or PAG ISO 46	140
Passat	07.92-97	R134a	1150-1200	G052 154 A2	PAO 68 or PAG ISO 46	115
Passat RHD - Denso compressor	1996-10.00	R134a	700-750	G052 300 A2	PAO 68 or PAG ISO 46	250
RHD - Zexel compressor	1996-10.00	R134a	700-750	G052 154/200 A2	PAO 68 or PAG ISO 46	250

						
Volkswagen						
Passat LHD - Denso compressor	1996-10.00	R134a	650-700	G052 300 A2	PAO 68 or PAG ISO 46	250
LHD - Zexel compressor	1996-10.00	R134a	650-700	G052 154/200 A2	PAO 68 or PAG ISO 46	250
Passat LHD/RHD - Denso compressor	10.00-05	R134a	600-625	G052 300 A2	PAG ISO 46 or PAO 68	250
Passat W8 LHD - Denso 7SEU16 compressor	05.01-05	R134a	500-525	G052 300 A2	PAG ISO 46 or PAO 68	190-210
Passat (3C) Sanden PXE16 compressor	2005-10	R134a	575-625	G052 154 A2	PAG ISO 46 or PAO 68	100-120
Zexel DSC17E compressor	2005-10	R134a	575-625	G052 200 A2	PAG ISO 46 or PAO 68	110-130
Passat CC Sanden compressor PXE16	06.2008-	R134a	600	G052 154 A2	PAO 68 or PAG ISO 46	110
Passat CC Zexel compressor DSC17E	06.2008-	R134a	600	G052 200 A2	PAO 68 or PAG ISO 46	120
Passat CC Denso compressor 6SEU14	06.2008-	R134a	600	G052 300 A2	PAO 68 or PAG ISO 46	140
Passat CC Delphi compressor 6CVC140	06.2008-	R134a	600	G052 154 A2	PAO 68 or PAG ISO 46	110
Phaeton 7SB-16/7SEU16C compressor	2002-10	R134a	575-625	G052 300 A2	PAG ISO 46 or PAO 68	190-210
Polo	1994-02	R134a	700-750	G052 154 A2	PAO 68 or PAG ISO 46	100
Polo Classic	1996-02	R134a	850-880	G052 154 A2	PAO 68 or PAG ISO 46	115
Polo Estate	1997-02	R134a	850-880	G052 154 A2	PAO 68 or PAG ISO 46	120-150
Polo 1.2i/1.2i12V/1.4i/1.4TDI/1.6i/1.9SDI/1.9TDI/1.4FSI	2002-05.05	R134a	550-575	G052 300 A2	PAO 68 or PAG ISO 46	140
Polo compressor: 6Q0 820 803J	05.05-06.09	R134a	550	G052 300 A2	PAO 68 or PAG ISO 46	95
Polo Denso compressor SEU16C	05.05-06.09	R134a	550	G052 300 A2	PAO 68 or PAG ISO 46	180
Polo (6R) 1.2i /1.6TDI Denso 6SEU14/C compressor	06.2009-	R134a	500	G 052 300 A2	PAO 68 or PAG ISO 46	90
Polo (6R) 1.2i /1.6TDI Delphi 6CVC140 compressor	06.2009-	R134a	500	G 052 300 A2	PAO 68 or PAG ISO 46	110
Sharan	1995-04.00	R134a	950-1000	G052 154 A2	PAO 68 or PAG ISO 46	135
With air conditioning at the rear	1995-04.00	R134a	1350-1400	G052 154 A2	PAO 68 or PAG ISO 46	240







						
Volkswagen						
Sharan	04.00-11	R134a	700-750	PAG	PAO 68 or PAG ISO 46	135
With air conditioning at the rear	04.00-11	R134a	1050-1100	PAG	PAO 68 or PAG ISO 46	240
Tiguan Denso compressor 7SEU16C	2007-	R134a	660	G052 300 A2	PAO 68 or PAG ISO 46	180
Tiguan Sanden compressor PXE17	2007-	R134a	660	G052 154 A2	PAO 68 or PAG ISO 46	110
Touareg 7SEU16C compressor	2002-09	R134a	650-750	G052 300 A2	PAO 68 or PAG ISO 46	190-210
With air conditioning at the rear	2002-09	R134a	1000-1100	G052 300 A2	PAO 68 or PAG ISO 46	280-320
Touareg 7SEU17C compressor	2004-10	R134a	650-750	G052 300 A2	PAO 68 or PAG ISO 46	130-150
With air conditioning at the rear	2004-10	R134a	1000-1000	G052 300 A2	PAO 68 or PAG ISO 46	220-260
Touran Denso compressor 7SEU17C	2003-10	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	130-150
Touran Sanden compressor	2003-10	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	100-120
Touran Zexel compressor	2003-10	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	105-135
Touran Denso compressor 7SEU16C	2003-10	R134a	500-550	G052 300 A2	PAO 68 or PAG ISO 46	180
Transporter - Sanden compressor SD7H15	05.92-1995	R134a	950-1000	G052 100 A2	PAO 68 or PAG ISO 100	135
With air conditioning at the rear	05.92-1995	R134a	1350-1400	G052 100 A2	PAO 68 or PAG ISO 100	240
Long wheelbase with air conditioning at the rear	1993-95	R134a	1400-1450	G052 100 A2	PAO 68 or PAG ISO 100	240
Transporter - Sanden compressor SD7V16	1995-03	R134a	950-1000	G052 154 A2	PAO 68 or PAG ISO 46	135
With air conditioning at the rear	1995-03	R134a	1350-1400	G052 154 A2	PAO 68 or PAG ISO 46	240
Long wheelbase with air conditioning at the rear	1995-03	R134a	1400-1450	G052 154 A2	PAO 68 or PAG ISO 46	240
Transporter 2.8i16V	2000-03	R134a	1125	PAG	PAO 68 or PAG ISO 46	135
With air conditioning at the rear	2000-03	R134a	1425	PAG	PAO 68 or PAG ISO 46	240
Transporter T5 (7H,7J) Denso 7SEU16C compressor	2003-10	R134a	600-700	G052 300 A2	PAO 68 or PAG ISO 46	190-210
With air conditioning at the rear	2003-10	R134a	950	G052 300 A2	PAO 68 or PAG ISO 46	300







						
Volkswagen						
Transporter T5 (7H,7J) Sanden SD7V16 compressor	2003-10	R134a	600-700	G052 154 A2	PAO 68 or PAG ISO 46	120-150
With air conditioning at the rear	2003-10	R134a	1000-1100	G052 154 A2	PAO 68 or PAG ISO 46	210-260
Volvo						
240	1993-94	R134a	750	1161426-0	PAO 68 or PAG ISO 100	220
440/460/480 - Zexel compressor	1994-97	R134a	650	1161407-0	PAO 68 or PAG ISO 46	180-220
Sanden compressor	1994-97	R134a	650	1161407-0	PAO 68 or PAG ISO 46	160-200
850	1991-97	R134a	750-825	PAG	PAO 68	200
900-Series 4-cylinder engine - Seiko compressor	1993-98	R134a	950	1161426-0	PAO 68 or PAG ISO 100	220
Sanden compressor	1993-98	R134a	950	1161425-2	PAO 68 or PAG ISO 100	240
Zexel compressor	1993-98	R134a	950	1161407-0	PAO 68 or PAG ISO 46	200
900-Series 6-cylinder engine - Seiko compressor	1993-97	R134a	900	1161426-0	PAO 68 or PAG ISO 100	220
Sanden compressor	1993-97	R134a	900	1161425-2	PAO 68 or PAG ISO 100	240
Zexel compressor	1993-97	R134a	900	1161407-0	PAO 68 or PAG ISO 46	200
C30	2007-	R134a	535	PAG	PAO 68 or PAG ISO 46	200
C70	1998-06	R134a	750-850	PAG	PAO 68 or PAG ISO 46	200
C70	2006-	R134a	535	PAG	PAO 68 or PAG ISO 46	200
S40/V40	1997-03	R134a	900	1161407-0	PAO 68 or PAG ISO 46	180
S40/V40 1.8 GDI	1998	R134a	750	1161407-0	PAO 68 or PAG ISO 46	120-140
S40/V40 1.8 GDI	1999-03	R134a	850	1161407-0	PAO 68 or PAG ISO 46	150-180
S40/V40 Diesel	1996-98	R134a	900	1161407-0	PAO 68 or PAG ISO 46	135
S40/V40 Diesel	1999-03	R134a	850	PAG	PAO 68 or PAG ISO 46	135







						
Volvo						
S40 II (MS)	2004-	R134a	500-570	ZXL 100 PG	PAO 68 or PAG ISO 46	200
S60	2000-05	R134a	1000	1161407-0	PAO 68 or PAG ISO 46	180
S60 with Komo (h)	2006-	R134a	700	11616270	PAO 68 or PAG ISO 46	180
S70	1997-11.00	R134a	750-850	PAG	PAO 68 or PAG ISO 46	200
S80	1998-06	R134a	1000	1161407-0	PAO 68 or PAG ISO 46	180
S80	2006-	R134a	650	PAG	PAO 68 or PAG ISO 46	180
S/V90 - Zexel compressor	1997-99	R134a	900	1161407-0	PAO 68 or PAG ISO 46	200
Sanden compressor	1997-99	R134a	900	1161425-2	PAO 68 or PAG ISO 100	240
V50	2004-	R134a	500-570	PAG	PAO or PAG ISO 46	200
V70 I	1997-2000	R134a	750-850	PAG	PAO 68 or PAG ISO 46	200
V70 II	03.00-07	R134a	1000	PAG	PAO 68 or PAG ISO 46	180
V70 II	2007-	R134a	800	PAG	PAO 68 or PAG ISO 46	180
XC 60	2008-	R134a	800	1161627	PAO 68 or PAG ISO 46	180
XC 70	2002-07	R134a	1000	1161407-0	PAO 68 or PAG ISO 46	180
XC 70	2007-	R134a	800	PAG	PAO 68 or PAG ISO 46	180
XC 90	2002-06	R134a	1000	1161627	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	2002-06	R134a	1300	1161627	PAO 68 or PAG ISO 46	200
XC 90 with Komo (h)	2006-	R134a	700	PAG	PAO 68 or PAG ISO 46	180
With air conditioning at the rear	2006-	R134a	1050	PAG	PAO 68 or PAG ISO 46	200







Notes passenger cars (*)







- 1 Condenser with round pipes
 - 2 Condenser with flat pipes
 - 3 Condenser 16 mm
 - 4 Condenser 23 mm
 - 5 Rear engine
 - 6 Front engine
 - 7 Expansion valve, old type
 - 8 Expansion valve, new type
 - 9 See sticker in engine compartment
 - n.a. Overall quantity for system not known or not specified by manufacturer – if appropriate, see sticker in the engine compartment or on the compressor
 - q Quantity depends on version – see sticker in the engine compartment or on the compressor
 - w Condenser 18 mm
 - e Condenser 20 mm
 - f Thickness of the condenser's flat pipe
 - g Without oil radiator
 - h Condenser module, dryer integrated in the condenser
 - i Orga/manuf. no. /see information near A/B pillar
- VIN = Vehicle Identification Number







					
DAEWOO/AVIA					
D75/D90 3.9D	2002-09	850	PAG	PAO 68	n.a.
DAF					
45	1996-2001	1000	SP 10	PAO 68 or PAG ISO 46	175
LF 45	2001-2011	1000	SP 10	PAO 68 or PAG ISO 46	175
LF 55	2001-2011	1000	SP 10	PAO 68 or PAG ISO 46	175
65	1990-1993	850	SP 10	PAO 68 or PAG ISO 46	135
CF 65	2001-2011	850	SP 10	PAO 68 or PAG ISO 46	175
75	1990-1993	900	SP 10	PAO 68 or PAG ISO 46	175
CF 75	2001-2011	850	SP 10	PAO 68 or PAG ISO 46	135
85	1991-1993	900	SP 10	PAO 68 or PAG ISO 46	175
CF 85	2001-2011	850	SP 10	PAO 68 or PAG ISO 46	135
95	1991-1993	1000	SP 10	PAO 68 or PAG ISO 46	175
95 XF	1997-2003	700	SP 10	PAO 68 or PAG ISO 46	135
XF 95	2002-	700	PAG	PAO 68 or PAG ISO 46	135
XF105	2005-	700	PAG	PAO 68 or PAG ISO 46	135
ISUZU					
N-Series 5.2D	2005-08	450	ZXL 100PG	PAO 68 or PAG ISO 46	180
IVECO					
DAILY I	1996-1999	800	SP 20	PAO 68 or PAG ISO 100	135







					
IVECO					
DAILY I	1999-2002	720	SP 20	PAO 68 or PAG ISO 100	135
DAILY II	1999-2002	Combi:1200	SP 20	PAO 68 or PAG ISO 100	150
DAILY II	2003-05.06	720	SP 20	PAO 68 or PAG ISO 100	135
DAILY II	2003-05.06	Combi:1200	SP 20	PAO 68 or PAG ISO 100	150
DAILY III (F1A) external dryer	05.06-	720	ND8	PAO 68 or PAG ISO 46	n.a.
DAILY III (F1C) integrated dryer	05.06-	440	ND8	PAO 68 or PAG ISO 46	n.a.
EUROCARGO	1991-2001	2 condensers: 1600	SP 20	PAO 68 or PAG ISO 100	135
EUROCARGO	2001-5/2003	1020	PAG	PAO 68	
EUROCARGO	5/2003-2011	440	PAG	PAO 68	
EUROSTAR	1992-2000	1700	SP 20	PAO 68 or PAG ISO 100	135
EUROSTAR	1992-2000	Condenser at the side: 1900	SP 20	PAO 68 or PAG ISO 100	200
EUROSTAR	2000-2004	1700	ND-OIL 8	PAO 68 or PAG ISO 46	135
EUROTECH	1992-1999	1700	SP 20	PAO 68 or PAG ISO 100	135
EUROTECH	1992-1999	Condenser at the side: 1900	SP 20	PAO 68 or PAG ISO 100	200
EUROTECH	2000-2008	1700	ND-OIL 8	PAO 68 or PAG ISO 46	200
EUROTRAKKER	2000-2004	1700	SP 10	PAO 68 or PAG ISO 46	200
STRALIS AT/AD	2001-2011	700	ND-OIL 8	PAO 68 or PAG ISO 46	180
STRALIS AT/AD	2001-2011	Condenser at the side: 1400	ND-OIL 8	PAO 68 or PAG ISO 46	200
TRAKKER	10.04-	700	Dens Oil 8	PAO 68 or PAG ISO 46	200
MAN					
F 2000	1995-1999	1150	(1)	(1)	180

					
MAN					
F 2000	1999-	Round-pipe condenser: 1150	(1)	(1)	180
F 2000	1999-	Flat-pipe condenser: 950	(1)	(1)	180
L 2000	1995-1999	1250	(1)	(1)	180
L 2000	2000-	Round-pipe condenser: 1150	(1)	(1)	180
L 2000	2000-	Flat-pipe condenser: 950	(1)	(1)	180
M 2000 L	1995-1999	1250	(1)	(1)	180
M 2000 M	1995-1999	1150	(1)	(1)	180
M 2000	1999-	Round-pipe condenser: 1150	(1)	(1)	180
M 2000	1999-	Flat-pipe condenser: 950	(1)	(1)	180
M 90	1990-1996	1250	(1)	(1)	180
TG-A	2000-2009	900	Fuchs Reniso PAG 46	PAO 68 or PAG ISO 46	250
TGA with independent AC system	2000-09	1050	Fuchs Reniso PAG 46	PAO 68 or PAG ISO 46	280
TGL	2005-	650	PAG 46	PAO 68 or PAG ISO 46	150
TGM	2005-	750	PAG	PAO 68	n.a.
TGS	10.07-	950	PAG	PAO 68	n.a.
With independent AC system	10.07-	1050	PAG	PAO 68	n.a.
TGX	10.07-	950	PAG	PAO 68	n.a.
With independent AC system	10.07-	1050	PAG	PAO 68	n.a.
MERCEDES BENZ					
ACTROS 1996	1997-2002	1100	ND-OIL 8	PAO 68 or PAG ISO 46	160
ACTROS 2003	2003-2011	1100-1200	ND-OIL 8	PAO 68 or PAG ISO 46	175

					
MERCEDES BENZ					
ACTROS 2003	2003-2011	1600 with independent AC system	ND-OIL 8	PAO 68 or PAG ISO 46	180
ATEGO I	1998-2004	1000	ND-OIL 8	PAO 68 or PAG ISO 46	160
ATEGO II	2004-	1200	ND-OIL 8	PAO 68 or PAG ISO 46	160
AXOR	2001-10.04	1100-1200	ND-OIL 8	PAO 68 or PAG ISO 46	175
AXOR II	10.04-	1100	PAG	PAO 68	n.a.
ECONIC	1998-2011	800	ND-OIL 8	PAO 68 or PAG ISO 46	160
T1/TN 407-410	1993-1995	700	A0019890803	PAO 68 or PAG ISO 46	120
T2/LN1 507-711	1993-1995	860	A0019890803	PAO 68 or PAG ISO 46	120
UNIMOG U300-500	2000-2004	1400	A0019890803	PAO 68 or PAG ISO 46	150
VARIO	1996-11	1225	A0019890803	PAO 68 or PAG ISO 46	160
ZETROS	2008-	1250	Ester Oil		n.a.
MITSUBISHI					
Canter	2006-	650	Sunpag 46	PAO 68 or PAG ISO 46	125
NISSAN					
ATLEON 110.140 Ch.-> 514109	1999-	900 ± 50	NISSAN TYPE S	PAO 68 or PAG ISO 46	260 ± 10
ATLEON 165.210 Ch.-> 514109	1999-	950 ± 50	NISSAN TYPE S	PAO 68 or PAG ISO 46	260 ± 10
ATLEON Ch. 514110 ->	1999-	750	NISSAN TYPE S	PAO 68 or PAG ISO 46	260 ± 10
CABSTAR E	1998-	750	NISSAN TYPE S	PAO 68 or PAG ISO 46	260 ± 10

					 ml
RENAULT V.I.					
KERAX	1997-1999	1400	SANDEN SP 20	PAO 68 or PAG ISO 100	165
KERAX	2002-06	1550	SP20	PAO 68 or PAG ISO 100	165
KERAX	2007-	1250	PAG	PAO 68	175
MAGNUM	1996-1999	1450	SANDEN SP 20	PAO 68 or PAG ISO 100	165
MAGNUM E.TECH	2000-	1450	SANDEN SP 20	PAO 68 or PAG ISO 100	165
MASCOTT 2.8 DdCi	1999-10	890	CLIM 488	PAO 68	135
MASCOTT 3.0D Dxi	2007-	750	PAG	PAO 68 or PAG ISO 46	135
MIDLINER M	1996-1999	1200	CLIM 488	PAO 68	165
MIDLINER S	1995-1999	1200	CLIM 488	PAO 68	165
MIDLUM	1999-	1200	CLIM 488	PAO 68	165
PREMIUM	1996-2006	1400	SANDEN SP 20	PAO 68 or PAG ISO 100	165
PREMIUM II	10.05-	1200	PAG	PAO 68	175
SCANIA					
93 H, M	1988-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
94 C, D, G, L	1996-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
113 E, H, M	1991-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
114 C, G, L	1998-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
124 C, G, L	1996-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
143 E, H, M	1991-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
144 C, G, L	1995-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
164 C, G, L	2000-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240

					
SCANIA					
G-Series	2004-	1250	PAG	PAO 68 or PAG ISO 46	240
P-Series	2004-	1250	PAG	PAO 68 or PAG ISO 46	240
R-Series	2004-10	1250	PAG REF. 584110	PAO 68 or PAG ISO 46	240
T 93 H	1990-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
T 94 C, G, L	1996-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
T 113 E, H	1990-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
T 114 C, G, L	1998-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
T 124 C, G, L	1996-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
T 143 E, H	1991-1996	800	PAG REF. 584077	PAO 68 or PAG ISO 46	175
T 144 C, G, L	1995-	1450	PAG REF. 584110	PAO 68 or PAG ISO 46	240
Volvo					
F 10	1990-1993	1400	VOLVO 1160048	PAO 68 or PAG ISO 46	310
F 12	1990-1993	1400	VOLVO 1160048	PAO 68 or PAG ISO 46	310
F 16	1990-1993	1400	VOLVO 1160048	PAO 68 or PAG ISO 46	310
FE	05.06-	1280	PAG	PAO 68	175
FH	01.2003-	1150-1200	PAG	PAO 68	n.a.
FH 12	1993-2001	1200	PAG SP 10	PAO 68 or PAG ISO 46	175
FH 13	2005-	1250	1161425-2	PAO 68 or PAG ISO 100	175
FH 16	1993-1999	1150	VOLVO 1161425-2	PAO 68 or PAG ISO 100	175
FL 6	1993-1999	1150	VOLVO 1161425-2	PAO 68 or PAG ISO 100	175
FL II	05.06-	1200	PAG	PAO 68	175

					 ml
Volvo					
FM 7	1998-	1150	VOLVO 1161629	PAO 68 or PAG ISO 46	175
FM 9	2001-09	1200	VOLVO 1161629	PAO 68 or PAG ISO 46	175
FM 10	1999-	1150	VOLVO 1161629	PAO 68 or PAG ISO 46	175
FM 12	1998-09.05	1200	VOLVO 1161629	PAO 68 or PAG ISO 46	175
FM 13	09.05-	1250	1161425-2	PAO 68 or PAG ISO 100	175
NH 12	1999-08	1250	1161629	PAO 68 or PAG ISO 46	175

(1)	OE	Behr Hella Service
Compressor	Unicla: PAG OIL UNIDAP	PAO 68 or PAG ISO 46
Compressor	Zexel: PAG OIL ZEXEL ZXL 100PG	PAO 68 or PAG ISO 46
Compressor	Sanden: PAG OIL SANDEN SP 20	PAO 68 or PAG ISO 100
Compressor	Nippondenso: PAG OIL ND 8	PAO 68 or PAG ISO 46
Compressor	Kiki: FUCHS RENISO PAG 46”	PAO 68 or PAG ISO 46
Oil filling quantity 'n.a.' = quantity unknown or not specified by the manufacturer		

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