

COOLING SYSTEM PRESSURE TEST KIT FOR HEAVY-DUTY VEHICLES



1. FEATURES

2. SPECIFICATIONS

3. INSTRUCTIONS

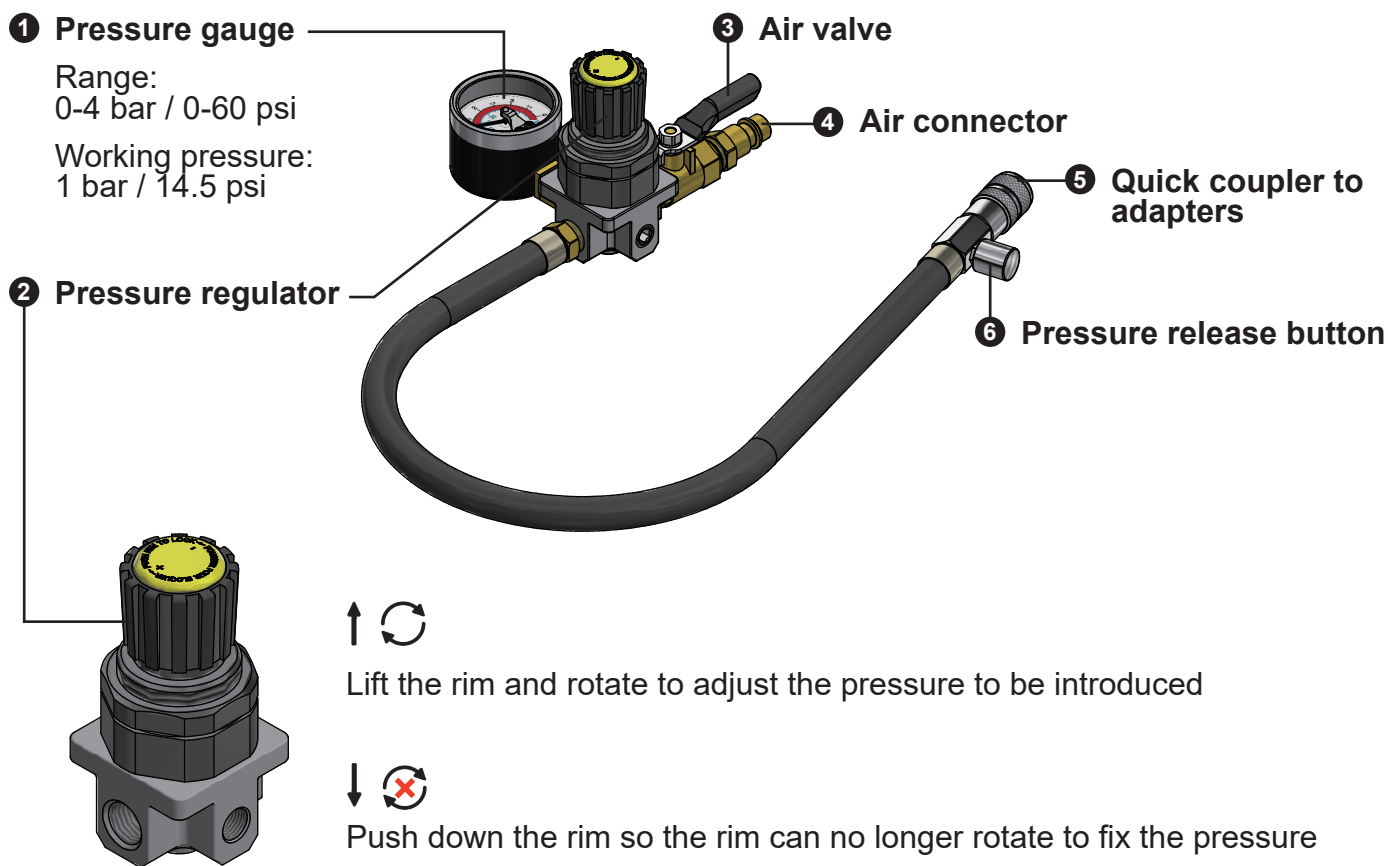
4. APPLICATIONS

1. FEATURES

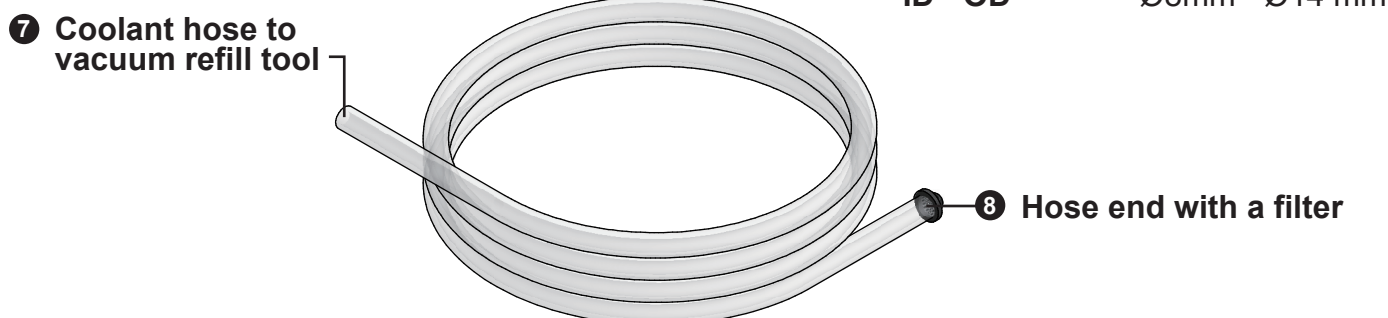
- Kit to apply pressure for leak tests in the cooling system. Automotive cooling system is working in a pressurized environment - any leaks may lead to reduced performance on cooling the engine, causing engine overheat or related issues
- Provided with an air pressure device for fast pressurizing on large capacity cooling systems
- Includes 9 adapters compatible with heavy-duty vehicles and commercial trucks, including DAF, Ford Trucks, Freightliner, International, Kenworth, Mack, MAN, Mercedes-Benz, Peterbilt, Renault Trucks, Scania, and Volvo Trucks

2. SPECIFICATIONS

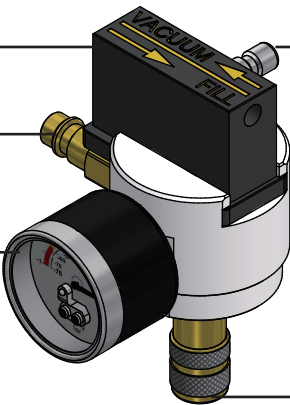
PRESSURE TESTER TOOL



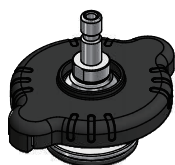
COOLANT HOSE



VACUUM REFILL TOOL

- 9 Vacuum and fill switch
- 10 Air connector
- 11 Vacuum gauge
- Range:
-1-0 bar / -76-0 cmHg
Working pressure:
-0.8 to -0.65 bar / -60 to -50 cmHg
- 12 Coolant hose connector
- 13 Quick coupler to adapter
- 

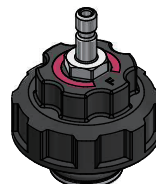
COOLING SYSTEM ADAPTERS



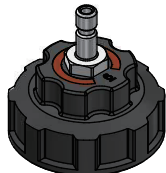
Adapter 3
Freightliner,
Kenworth,
Mercedes-Benz



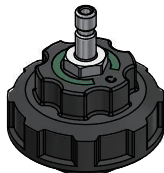
Adapter B
Renault and
Volvo Trucks



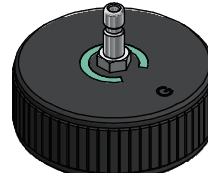
Adapter F
Renault Trucks,
Volvo Trucks



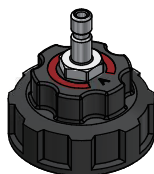
Adapter 6
Ford,
International



Adapter C
Freightliner



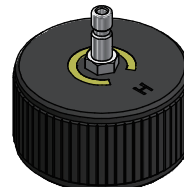
Adapter G
DAF,
Renault Trucks



Adapter A
DAF, Kenworth,
Mack, MAN,
Mercedes-Benz,
Peterbilt, Renault
and Volvo Trucks



Adapter D
DAF, Scania



Adapter H
Scania

3. INSTRUCTIONS



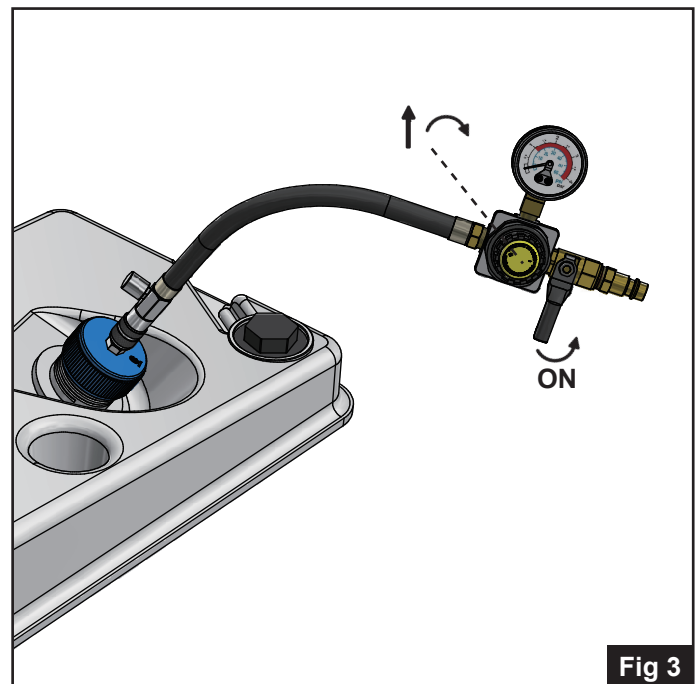
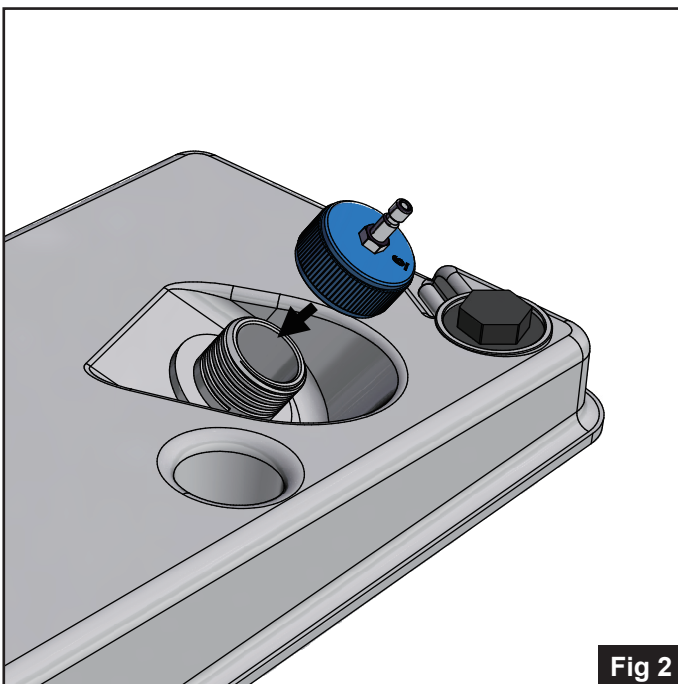
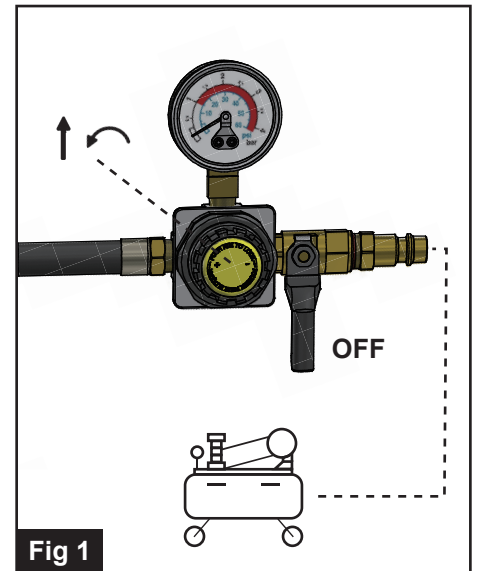
CAUTION



- Always read the instructions carefully before using the tool
- This tool kit is for leak tests on automotive cooling system only. DO NOT use this tool kit for other purposes
- Ensure the working area has adequate lighting
- Keep children and unauthorized persons away from the working area
- Keep working area clean and tidy, dry and free from unrelated materials
- DO NOT allow untrained persons to use this tool kit
- Always wear eye protection that meets OSHA and ANSI Z87.1 standards
- Always wear gloves when working with the tool
- Always wear ear protection
- Disposal: Customers should follow local regulations to handle the used parts

PRESSURE LEAK TEST

- 1 Lift the rim on pressure regulator ❷ and turn left (counter-clockwise) to the end and turn off the air valve ❸ (Fig 1)
- 2 Connect the air connector ❹ to an air compressor
- 3 (not included in this kit) (Fig 1)
- 4 Unscrew the coolant cap on the recovery tank.
- 5 Find a suitable adapter from the tool kit and connect to the coolant filler neck (Fig 2)
- 6 Connect the quick coupler ❺ on the pressure tester tool to the adapter
- 7 Turn on the air valve ❹ and lift the rim on the pressure regulator ❷ and turn right, the pressure will be gradually introduced into the cooling system
- 8 When the pressure gauge ❶ shows 1 bar / 14.5 psi, turn off the air valve ❹
- 9 Leave the cooling system pressurized for 10-15 minutes, and check if the gauge reading falls
- 10 If the pressure falls under 1 bar / 14.5 psi, there are leaks in the cooling system.
- 11 Locate leaks in the cooling system, and fix, repair or replace parts accordingly.
- 12 If there are no leaks, press the pressure release button ❻ before disconnecting the pressure tester tool from the adapter.



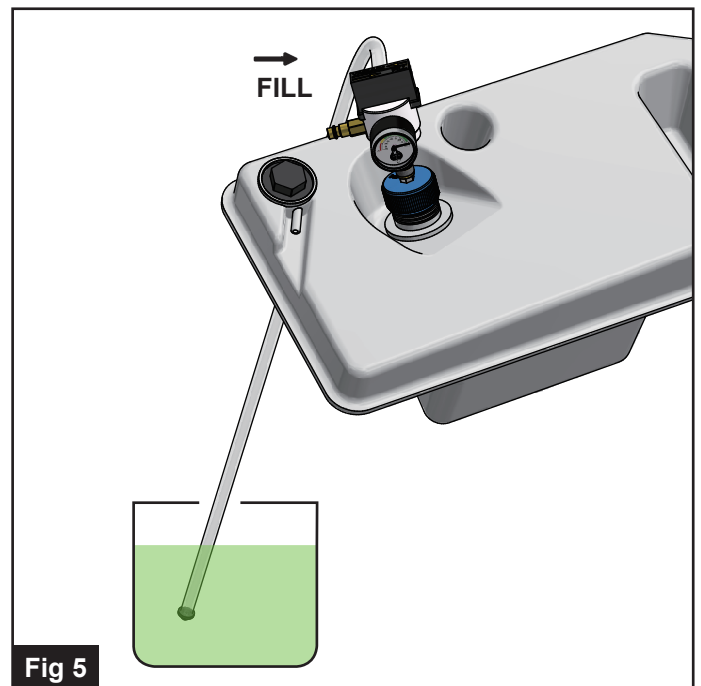
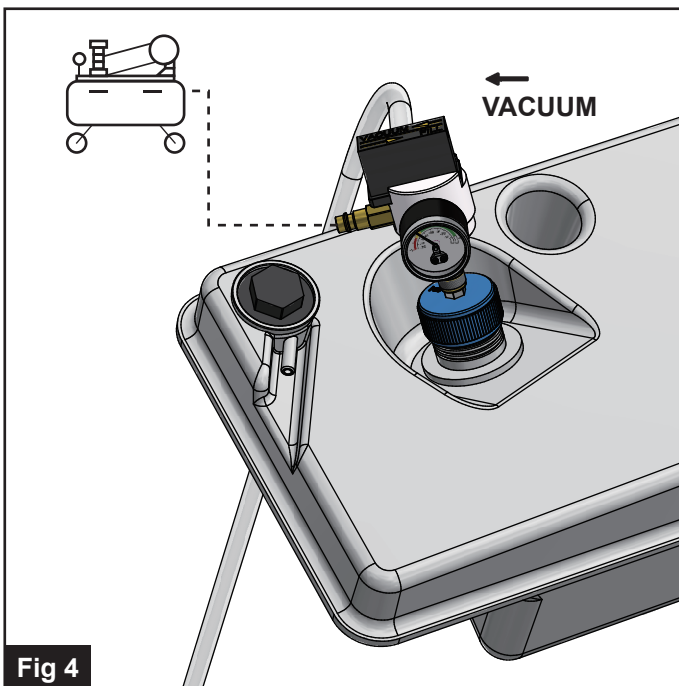
VACUUM COOLANT REFILL

PREPARATION

- 1 Find a suitable adapter from the tool kit and connect the adapter to the coolant filler neck
- 2 Connect the quick coupler ⑬ on the vacuum refill tool to the adapter
- 3 Connect the coolant hose ⑦ to the coolant hose connector ⑫ on the refill tool
- 4 Prepare a container with pre-mixed coolant and with adequate volume. Keep the hose end ⑧ submerged under the fluid surface at all times
- 5 Move the switch ⑨ to the FILL side and connect air connector ⑩ to an air compressor (not included in this kit)

CREATE A VACUUM AND REFILL COOLANT

- 6 Move the switch ⑨ to the VACUUM side and the vacuum will be gradually created in the cooling system (Fig 4)
- 7 When the pressure does not go any lower, move the switch ⑨ to the FILL side
- 8 Once switched to the FILL side, the coolant will be introduced into the cooling system immediately (Fig 5)
- 9 When the gauge reads zero, disconnect the coolant refill tool from the recovery tank and verify the coolant level.



4. APPLICATIONS

Make	Model	Year	Type	Adapter
DAF	95	1987-1998	11.6L	G
DAF	CF	1998-2000	65 CF, 75 CF, 85 CF	D & G
DAF	CF	2001-2013	CF 65, CF 75, CF 85	A & G
DAF	CF	2013-2024	12.9L	A & D
DAF	F 1100	1978-1990	5.7L, 6.2L	G
DAF	F 1300	1978-1992	6.2L	G
DAF	F 1700	1986-1995	6.2L	G
DAF	F 1900	1986-1993	6.2L	G
DAF	LF	2001-2025	LF 45, LF 55	A & G
DAF	XF	2005-2012	XF 105	A & D
DAF	XF	2012-2025	10.8L, 12.9L	A & D
DAF	XF 95	2002-2006	12.6L	G
DAF	XG	2021-2025	10.8L, 12.9L	D
ERF	ECM	2002-2007	5.8L	A
ERF	ECT	2002-2007	10.8L	A
Ford	F-350	1999-2000	5.4L Gas	6
Ford	F-550 Super Duty	2000-2000	7.3L Diesel	6
Ford	F-650	2004-2008	5.9L Diesel	6
Ford	F-650	2007-2009	7.2L Diesel	6
Ford	F-650	2008-2015	6.7L Diesel	6
Ford	F-750	2004-2008	5.9L Diesel	6
Ford	F-750	2007-2009	7.2L Diesel	6
Ford	F-750	2008-2015	6.7L Diesel	6
Ford	LCF	2006-2010	4.5L Diesel	6
Freightliner	108SD	2012-2016	6.7L, 8.3L, 8.9L	C
Freightliner	114SD	2012-2016	8.9L, 11.9L	C
Freightliner	122SD	2014-2016	12.8L, 14.8L, 14.9L, 15.6L	C
Freightliner	Cascadia	2008-2016	11.9L, 12.8L, 14.0L, 14.6L, 14.9L, 15.6L	C
Freightliner	Cascadia	2017-2020	11.9L, 12.8L, 14.8L, 14.9L, 15.6L	C
Freightliner	Century Class	2004-2010	6.4L, 10.3L, 12.5L, 12.8L, 14.0L, 14.6L	C
Freightliner	Classic	2008-2009	12.8L, 14.0L, 14.6L	C
Freightliner	Classic XL	2008-2009	14.0L	C
Freightliner	Columbia	2004-2010	8.9L, 11.1L, 12.5L, 12.7L, 14.0L, 14.6L, 15.8L	C
Freightliner	Coronado	2005-2016	12.8L, 14.0L, 14.6L, 14.8L, 14.9L, 15.6L	C
Freightliner	FL80	1991-2000	5.9L, 6.4L, 7.2L, 8.3L	3
Freightliner	FLD120	1990-2003	8.3L, 10.3L, 11.1L, 12.7L, 14.6L. Except 2001	3
Freightliner	M2	2005-2011	M2 106 6.4L, 7.2L, 8.3L, 8.8L, 11.1L, 12.8L	3
Freightliner	M2	2008-2017	M2 112 8.3L, 8.9L, 12.8L	C
Freightliner	M2	2012-2019	M2 106 5.1L, 6.4L, 6.7L, 7.7L, 8.9L, 9.0L	C
IC Corporation	1300 FBC	2006-2010	7.6L Diesel	6
IC Corporation	CE Commercial	2006-2015	6.0L, 6.4L, 7.6L Diesel	6
IC Corporation	CE Integrated	2006-2015	6.0L, 6.4L, 7.6L Diesel	6
International	2674	2002-2002	7.6L, 8.7L, 10.3L, 10.8L, 112.0L, 14.0L Diesel	6
International	3200	2002-2010	6.0L, 6.4L, 7.6L	6
International	3300	2005-2010	6.0L Diesel	6
International	3800	2002-2004	7.3L, 7.6L Diesel	6
International	7300	2003-2005	7.6L Diesel	6
International	7400	2002-2013	7.6L, 8.7L, 9.3L, 10.8L, 12.0L	6
International	7500	2012-2013	9.3L Diesel	6
International	7500	2020-2020	8.9L Diesel	6
International	8100	2002-2003	7.6L, 8.7L, 10.3L, 10.8L Diesel	6
International	8500	2002-2007	7.6L, 8.7L, 9.3L Diesel	6
International	4000-series	2002-2020	6.0L, 6.4L, 6.7L, 7.6L, 8.5L, 8.9L, 9.3L	6
International	4100 SBA	2007-2008	6.0L Diesel	6
International	4200LP	2003-2008	6.0L Diesel	6
International	4300LP	2008-2019	6.4L, 6.7L, 7.6L Diesel	6

Make	Model	Year	Type	Adapter
International	4400LP	2002-2011	7.6L, 8.7L, 9.3L Diesel	6
International	5500i	2006-2010	8.9L, 10.8L, 11.1L, 12.5L, 14.9L, 15.2L Diesel	6
International	5600i	2006-2010	8.9L, 10.8L, 11.1L, 12.5L, 14.9L, 15.2L Diesel	6
International	5900i	2007-2016	10.8L, 12.4L, 14.9L Diesel	6
International	8500 TranStar	2008-2010	9.3L, 10.8L Diesel	6
International	8600 TranStar	2008-2014	10.5L, 10.8L, 12.4L, 12.5L Diesel	6
International	9200i SBA	2007-2010	10.8L, 12.5L, 14.9L Diesel	6
International	9400i SBA	2004-2010	10.8L, 12.5L, 14.6L, 14.9L, 15.2L Diesel	6
International	9900i	2007-2010	12.5L, 14.9L, 15.0L, 15.2L Diesel	6
International	9900ix	2007-2009	14.9L, 15.0, 15.2L Diesel	6
International	CF500	2006-2009	4.5L Diesel	6
International	CF600	2006-2009	4.5L Diesel	6
International	Durastar	2013-2020	7.0L, 7.6L, 9.0L, 9.3L Diesel	6
International	HX Series	2020-2022	6.7L, 9.0L, 12.4L, 14.9L	6
International	LoneStar	2010-2021	10.8L, 14.9L, 15.0L, 15.2L Diesel	6
International	LT625	2019-2022	12.4L, 14.9L Diesel	6
International	MV	2020-2020	6.7L, 8.9L Diesel	6
International	MV607	2019-2022	6.7L, 9.0L Diesel	6
International	ProStar	2008-2019	10.8L, 12.5L, 14.9L, 15.0L, 15.2L	6
International	RH613	2021-2021	12.4L Diesel	6
International	TerraStar	2010-2018	6.4L Diesel	6
International	TranStar	2019-2019	10.8L Diesel	6
International	WorkStar 7300	2019-2020	9.3L Diesel	6
International	WorkStar 7600	2012-2014	10.5L, 10.8L, 12.4L Diesel	6
Iveco	EuroStar	1993-2002	All engines	D
Iveco	EuroTech	1992-1998	All engines	D
Iveco	EuroTrakker	1993-2004	All engines	D
Iveco	S-WAY	2019-2024	11.1L, 12.9L,	D
Iveco	Stralis	2002-2019	7.8L, 10.9L, 11.1L, 12.9L	A
Iveco	Trakker	2004-2021	7.8L, 12.9L	A
Kenworth	C500	2001-2012	10.8L, 11.1L, 12.5L, 14.9L	3
Kenworth	K100E	2000-2002	10.8L, 14.0L	3
Kenworth	K300	2000-2003	5.9L	3
Kenworth	T170	2008-2012	6.7L	3
Kenworth	T2000	2000-2010	10.8L, 11.1L, 12.5L, 14.9L	3
Kenworth	T270	2008-2012	6.7L, 8.3L	3
Kenworth	T300	2000-2008	5.9L, 6.7L, 7.2L, 8.3L, 14.0L	3
Kenworth	T370	2008-2012	6.7L, 8.3L	3
Kenworth	T400	2010-2011	8.9L	3
Kenworth	T660	2008-2019	10.8L, 11.9L, 12.5L, 12.9L, 14.9L	A
Kenworth	T700	2011-2012	12.9L, 14.9L	3
Kenworth	T800	2000-2008	5.9L, 8.3L, 10.3L, 10.5L, 12.0L, 12.7L, 14.0L, 15.8L	3
Kenworth	T800	2008-2022	8.8L, 8.9L, 10.8L, 11.1L, 12.5L, 14.6L, 14.9L, 15.8L	A
Kenworth	T880	2014-2017	10.8L, 11.9L, 12.9L, 14.9L	A
Kenworth	W900	1999-2009	5.9L, 8.3L, 8.9L, 10.8L, 12.7L, 14.0L, 14.9L, 15.8L	3
Kenworth	W900	2008-2022	8.8L, 8.9L, 10.8L, 11.9L, 12.5L, 14.6L, 15.8L	A
Mack	Athem	2018-2025	MP7, MP8	A
Mack	Granite	2006-2025	Granite GU713, GU813	A
Mack	Pinnacle	2007-2025	CHU612, 613, CXJ 612, 613	A
Mack	Titan	2008-2017	16.4L	A
Mack	Vision	1999-2007	CX612, CX613	A
MAN	E 2000	2000-2005	12.0L, 12.8L, 18.3L	A
MAN	F 2000	1994-2001	10.0L, 12.0L, 12.8L, 18.3L	A
MAN	F 90	1986-1994	10.0L, 12.0L	A
MAN	M 2000	1995-2005	6.9L	A
MAN	M 90	1988-1996	4.6L, 6.9L	A
MAN	TGA	2000-2007	6.9L, 10.5L, 12.0L, 12.4L, 12.8L	A
MAN	TGL	2005-2022	4.6L, 6.9L	A

Make	Model	Year	Type	Adapter
MAN	TGM	2005-2022	6.9L	A
MAN	TGS	2007-2021	10.5L, 12.4L	A
MAN	TGX	2007-2021	10.5L, 12.4L, 16.2L	A
Mercedes-Benz	Actros	1996-2002	All engines	A
Mercedes-Benz	Actros MP2 / MP3	2002-2011	All engines	A
Mercedes-Benz	Actros MP4 / MP5	2011-2025	MK2 All engines	A
Mercedes-Benz	Antos	2012-2025	All engines	A
Mercedes-Benz	Arocs	2013-2025	All engines	A
Mercedes-Benz	Atego	1998-2004	MK1 All engines	A
Mercedes-Benz	Atego	2004-2013	MK2 All engines	A
Mercedes-Benz	Axor	2001-2005	MK1 All engines	A
Mercedes-Benz	Axor	2004-2013	MK2 All engines	A
Mercedes-Benz	Econic	1998-2013	All engines	A
Mercedes-Benz	LK/LN2	1984-2011	All engines	3
Mercedes-Benz	MK	1987-2005	All engines	3
Mercedes-Benz	NG	1973-1998	14.6L	3
Mercedes-Benz	SK	1987-1998	All engines	3
Mercedes-Benz	Unimog	1998-2019	All engines	3
Peterbilt	330	2008-2010	6.7L	A
Peterbilt	335	2008-2010	6.7L, 8.3L	A
Peterbilt	348	2010-2018	6.7L, 8.3L, 8.8L, 8.9L	A
Peterbilt	365	2008-2022	8.8L, 8.9L, 10.8L, 11.9L, 12.5L, 12.9L, 14.9L	A
Peterbilt	367	2008-2022	10.8L, 11.9L, 12.5L, 12.9L, 14.6L, 14.9L, 15.8L	A
Peterbilt	384	2008-2015	8.8L, 8.9L, 11.9L, 12.5L, 12.9L, 14.9L	A
Peterbilt	386	2008-2016	10.8L, 11.9L, 12.5L, 12.9L, 14.9L	A
Peterbilt	387	2008-2010	12.5L, 14.6L, 14.9L, 15.8L	A
Peterbilt	388	2008-2010	10.8L, 12.5L, 12.7L, 14.9L	A
Peterbilt	389	2008-2022	10.8L, 11.9L, 12.7L, 12.9L, 14.9L	A
Renault Trucks	C-Serie	2013-2025	All engines	B & F
Renault Trucks	D-Serie	2013-2025	All engines	A & B
Renault Trucks	D-Serie Access	2014-2025	7.7L	B
Renault Trucks	K-Serie	2013-2025	All engines	F
Renault Trucks	Kerax	1997-2013	All engines	A & B
Renault Trucks	Magnum	1990-2013	12.0L, 12.8L	G
Renault Trucks	Midlum	2000-2013	All engines	A
Renault Trucks	Premium	1996-2005	Distribution, Route	A & B
Renault Trucks	Premium	2005-2014	Distribution, Lander, Route	A & B
Renault Trucks	T-Serie	2013-2025	All engines	F
Scania	3 - series	1998-1998	8.5L	D
Scania	4 - series	1995-2008	9.0L, 10.6L, 11.7L, 14.2L, 15.6L	D & H
Scania	P,G,R,T - series	2003-2017	8.9L, 9.3L, 10.6L, 11.7L, 12.7L, 15.6L, 16.4L	D & H
Volvo Trucks	FE	2006-2014	MK1 7.1L	A & B
Volvo Trucks	FE	2012-2025	MK2 7.1L, 7.7L, 8.8L	A & B
Volvo Trucks	FH	2005-2012	MK1 9.4L, 12.8L	F
Volvo Trucks	FH	2012-2025	MK2 12.8L	F
Volvo Trucks	FL	2000-2006	MK1 all engines	A
Volvo Trucks	FL	2006-2013	MK2 all engines	A
Volvo Trucks	FL	2013-2025	MK3 all engines	A
Volvo Trucks	FM	2005-2012	FM 420, 460, 500	F
Volvo Trucks	FM	2012-2020	FM II 460, 500	F
Volvo Trucks	FMX	2012-2020	FMX II 420, 460, 500, 540	F
Volvo Trucks	VAH	2011-2025	VAH 200, VAH 430, VAH 630	A
Volvo Trucks	VHD	2002-2025	VHD 200	A
Volvo Trucks	VN	2000-2024	300, 430, 610, 660, 670, 770	A