



ATD-3301A 27 Piece Master Radiator Pressure Test Kit and Refill Kit Owner's Manual



Features:

- Detects and exposes external system leaks
- Detects internal engine leaks due to blown head gaskets and/or cracked block or heads
- Easily test entire cooling system; including radiator, heater core and radiator cap
- Vacuum purge and refill kit to refill cooling system and eliminate air pockets
- Test Range: 0 – 35 psi

Kit Includes:

Hand pump, (1) thermometer, (1) universal radiator cap adapter, (1) vacuum purge and refill tool and coolant hose, (1) blue radiator cap test connector R123/R125, (1) black radiator cap test connector R123/R124, (19) adapters to fit most popular domestic and import cars and trucks, instructions and storage case.

Applications Include:

GM, Ford, Dodge/Chrysler, Jeep, Acura, Audi, BMW, Geo, Honda, Infinity, Isuzu, Lexus, Mazda, Mercedes, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, Volvo, VW and more.

ITEM# PART# DESCRIPTION

0	43300-0	Needle Thermometer
1	43300-1	Handheld Pump
2	43300-2	Steel #2 Adapter
3	43300-3	Steel #3 Adapter
4	43300-4	Steel #4 Adapter
5	43301-PB	Blow Molded Case
6	43302-6	Aluminum #6 Adapter (brown)
7	43302-7	Aluminum #7 Adapter (blue)
8	43302-8	Aluminum #8 Adapter (cyan)
9	43302-9	Aluminum #9 Adapter (pink/red)
10	43302-10	Aluminum #10 Adapter (orange)
11	43302-11	Aluminum #11 Adapter (lime)
12	43302-12	Aluminum #12 Adapter (dark silver)
13	43302-13	Aluminum #13 Adapter (light gold)
14	43302-14	Aluminum #14 Adapter (purple)
15	43302-15	Aluminum #15 Adapter (black)
16	43302-16	Aluminum #16 Adapter (dark gold)
17	43302-17	Aluminum #17 Adapter (royal blue)
18	43302-22	Aluminum #22 Adapter (pink)
20	43302-23	Aluminum #23 Adapter (green)
22	43302-5A	Radiator Cap Test Connector #2 & #3 (Black)
24	43013-001	Vacuum Type Purge and Refill Tool
26	43301-24A	Coolant Hose with Adapter
28	43300-G	Gauge for Pump



19	43302-19	Aluminum #19 Adapter (red)
21	43302-21	Aluminum #21 Adapter (light green)
23	43302-5B	Radiator Cap Test Connector #2 & #4 (Blue)
25	43301-23	Universal Rubber Radiator Adapter
27	43301-24B	Coolant Hose
29	43300-H	Hose for Pump with Coupler

REPLACEMENT PARTS:

43300-2G	Gasket for #2 Steel Adapter	43300-3G	Gasket for #3 Steel Adapter
43300-4G	Gasket for #4 Steel Adapter	43302-6G	Gasket for #6 Aluminum Adpater
43302-7G	Gasket for #7 Aluminum Adapter	43302-8G	Gasket for #8 Aluminum Adapter
43302-9G	Gasket for #9 Aluminum Adapter	43302-10G	Gasket for #10 Aluminum Adapter
43302-11G	Gasket for #11 Aluminum Adapter	43302-12G	Gasket for #12 Aluminum Adapter
43302-13G	Gasket for #13 Aluminum Adapter	43302-14G	Gasket for #14 Aluminum Adapter
43302-15G	Gasket for #15 Aluminum Adapter	43302-16G	Gasket for #16 Aluminum Adapter
43302-17G	Gasket for #17 Aluminum Adapter	43302-22G	Gasket for #22 Aluminum Adapter
43302-19G	Gasket for #19 Aluminum Adapter	43302-23G	Gasket for #23 Aluminum Adapter
43302-21G	Gasket for #21 Aluminum Adapter	43300-SK	Seal Kit for Pump Handle

SAFETY WARNING AND PRECAUTIONS:



WARNING: The instructions and warnings contained in this manual should be read and understood before using or operating this tool. Do not allow anyone to use or operate this tool until they have read this manual and have developed a thorough understanding of how this tool works. Failure to observe any of the following instructions could result in personal injury or death.

SAFETY WARNING AND PRECAUTIONS

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NOTE: The warnings and cautions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

WARNING: Use safety equipment. User and bystanders should use safety goggles or safety glasses with side shields which comply with current national standards, or when needed, a face shield. Use an ANSI approved dust mask or respirator when working around metal, wood, and chemical dusts and mists. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.

WARNING: Keep bystanders and children out of the work area while operating this tool.

WARNING: Always keep your work area clean, uncluttered, and well lit. Cluttered or dark areas invite accidents and injuries. **DO NOT** work on poor surfaces that are slippery.

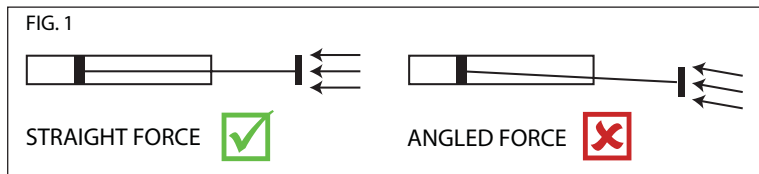
WARNING: Do not operate this tool if you are tired or under the influence of alcohol, drugs, or medications that could affect your ability to use the tool properly.

WARNING: Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Wear restrictive hair covering to contain long hair.

WARNING: Do not reach over or across running machines. Keep proper footing and balance at all times. Non-skid footwear is recommended when working.

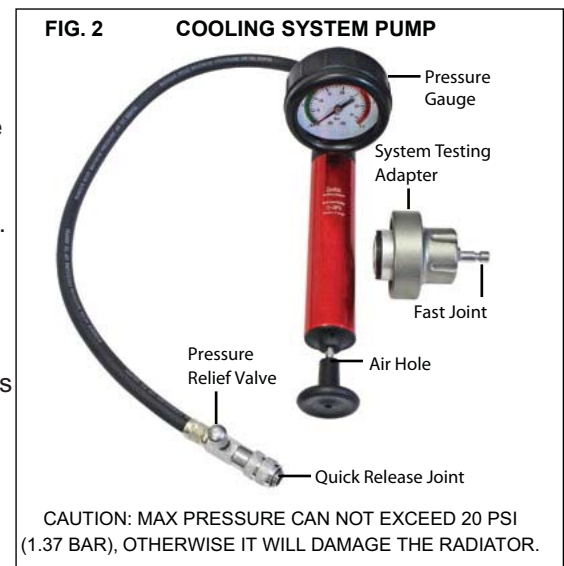
OPERATING INSTRUCTIONS

- Before performing the test on your cooling system, test the pump first by pumping few times to ensure it is working correctly. When testing, **DO NOT PUMP OVER 20 psi**.
- During your inspection and during the test of your cooling system, when pumping the pump handle, always make sure that the force is applied straight into the pump rather than at an angle, or else it may cause the pump to leak. (See Figure 1)



TO TEST FOR LEAKS IN COOLING SYSTEM

1. Refer to the vehicle's service manual for any specific radiator pressure testing instructions.
 2. Loosen the vehicle's radiator cap slowly to relieve any excess pressure before removing the cap completely. **NEVER OPEN THE SYSTEM WHILE HOT**, as this may cause personal injury.
 3. Select the proper adapter and configuration of the stationary seat accessories. Securely attach the adapter to the filler neck of the radiator or expansion tank.
 4. Attach the quick connector of the hand pump onto the adapter.
 5. Rapidly pump the hand pump handle using straight force as shown in figure 1 while watching the pressure gauge. Pressurize the radiator up to the optimal pressure only - **DO NOT OVER PRESSURIZE THE RADIATOR**. Ideal readings should range between 15-20 psi (1.03-1.37 BAR).
- Needle holds steady – If gauge hand holds at the same pressure number for 2 minutes, there are no serious leaks in the system.
 - Needle drops slowly – Indicates the presence of small leaks or seepage.
 - Needle drops quickly – Indicates serious leakage is present.



6. Once the test is complete, release the air pressure by depressing the pressure release valve on the hand pump hose, then disconnect the quick coupler and adapter assembly.
7. Maintenance – After testing process in Radiator Test:
 - Keep the adapter connected to the pump as you had set up while performing the actual test. Operate the pump several times to dissipate moisture and/or coolant that may have remained in the adapter and pump.
 - Oil the hand pump in order to lubricate the piston and prevent corrosion and internal damage.
8. Store the radiator pressure tester kit in its carrying case and keep the kit in a clean, dry, safe location out of reach of children and other unauthorized persons.

TO TEST FOR LEAKS IN ORIGINAL RADIATOR CAP:

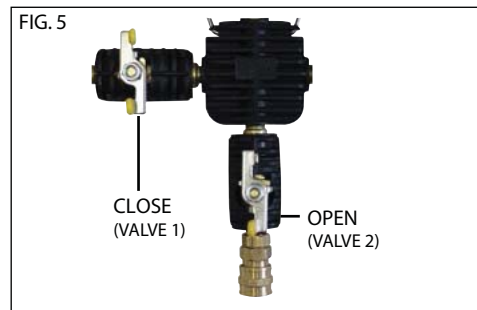
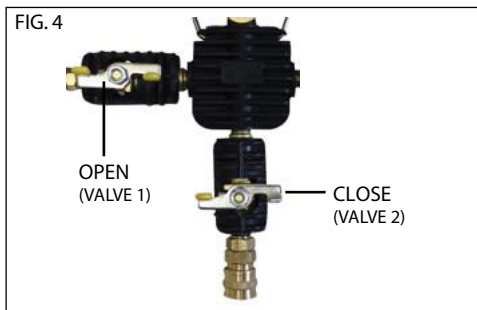
1. Choose the correct radiator cap connector (43302-5A or 43302-5B) and correct steel radiator cap (43300-2, 43300-3, or 43300-4) for the correct vehicle being tested from the test kit. Fasten the original radiator cap to the radiator cap connector (43302-5A or 43302-5B) and then fasten the steel radiator cap (43300-2, 43300-3, or 43300-4) from the test kit to the other end of the radiator cap connector (43302-5A or 43302-5B).
2. Remove the hand pump assembly (43300-1) from the test kit and fasten the quick coupler at the end of the hose to the radiator cap (43300-2, 43300-3, or 43300-4) securely. Operate the hand pump until reaching the pressure recommended by the vehicle manufacturer. - **DO NOT OVER PRESSURIZE**. Ideal readings should range between 15-20 psi (1.03-1.37 BAR).
3. Check the pressure reading on the gauge immediately after reaching the vehicle manufacturer's recommended pressure. If the pressure drops, there is a leak in the radiator cap. After pressure testing is completed, press the release button on the quick coupler until the reading on the gauge reads 0. Remove quick coupler from radiator cap and then remove the original radiator cap from the original radiator cap connector.



PURGING AND REFILLING COOLING SYSTEM

PURGE COOLING SYSTEM:

1. Drain coolant from radiator.
2. Remove the purge and refill tool from the test kit and hang the tool in a convenient location under the hood with the hook provided.
3. Choose the correct radiator cap for the vehicle being tested, or the universal rubber radiator adapter from the test kit and install the one of your choice on the cooling system opening. Fasten the quick coupler at the end of the hose on the purge and refill tool to the radiator cap.
4. Turn VALVE 1 to the open position and VALVE 2 to the closed position. (See fig. 4)
5. Connect air supply to the purge and refill tool and press ON/OFF until the pressure reaches 20-25 Hg (50-60 cm Hg). Turn VALVE 1 to the closed position and press ON/OFF off. (See fig. 5)



ATD-3301 VEHICLE COMPATIBILITY CHART

MAKE	MODEL	YEARS	NO.
Acura	Integra	1991-1993	4
Acura	Legend	1989-1990	4
Acura	NSX	1995-2004	4
Acura	SLX	1997	4
Acura	Vigor	1992-1994	4
Alfa Romeo	33	1984-1989	7
Alfa Romeo	90	1984-1987	7
Alfa Romeo	145	1994-2001	7
Alfa Romeo	147	2001-2010	7
Alfa Romeo	155	1992-1997	7
Alfa Romeo	156	1997-2006	7
Alfa Romeo	164	1987-1998	7
Alfa Romeo	166	1998-2007	22
Alfa Romeo	145 Diesel	1994-1999	22
Alfa Romeo	145 Gasoline	1987-2001	22
Alfa Romeo	145-930	1994-2001	7
Alfa Romeo	146-930	1994-2001	7
Alfa Romeo	164-164	1987-1998	7
Alfa Romeo	166-963	1998	7
Alfa Romeo	33 Sportwagon-970B	1990-1994	7
Alfa Romeo	33-907A	1990-1994	7
Alfa Romeo	8C	2007-2009	22
Alfa Romeo	8C spider	2008-2010	22
Alfa Romeo	GT	2003-2010	7
Alfa Romeo	GTV	1995-2005	22
Alfa Romeo	GTV-916C	1994	7
Alfa Romeo	Spider	1994-2005	22
Alfa Romeo	Spider-916S	1994-2005	7
Audi	80	1988-1992	11
Audi	90	1988-1995	11
Audi	100	1989-1994	11
Audi	200	1989-1991	11
Audi	4000	1980-1987	11
Audi	5000	1978-1988	11
Audi	100 Quattro	1989-1994	11
Audi	200 Quattro	1989-1991	11
Audi	4000 Quattro	1984-1987	11
Audi	5000 Quattro	1986-1988	11
Audi	80 Quattro	1988-1992	11
Audi	90 Quattro	1988-1995	11
Audi	A3	2006-2012	9
Audi	A3 Quattro	2006-2012	9
Audi	A3 Sportback-8PA	2004	9
Audi	A3-8P1	2003	9
Audi	A4	2002-2009	8
Audi	A4	1996-2014	9
Audi	A4	1996-1996	11
Audi	A4 Avant-8ED	2004-2008	9
Audi	A4 Quattro	1996-2014	9
Audi	A4 Quattro	1996-1996	11
Audi	A4-8EC	2004-2008	9
Audi	A5	2010-2014	9
Audi	A5 Quattro	2008-2014	9
Audi	A6	2005-2011	8
Audi	A6	1998-2014	9
Audi	A6	1995-1997	11
Audi	A6 Quattro	1998-2014	9
Audi	A6 Quattro	1995-1998	11
Audi	A7 Quattro	2012-2014	9
Audi	A8	2002-2010	8
Audi	A8	1998-1999	11
Audi	A8 Quattro	2004-2010	9
Audi	A8 Quattro	1997-2003	11
Audi	Allroad Quattro	2001-2005	9

MAKE	MODEL	YEARS	NO.
Audi	B7	2004-2008	9
Audi	Cabriolet	1991-2000	8
Audi	Cabriolet	1994-1998	11
Audi	Coupe	1981-1987	11
Audi	Coupe Quattro	1990-1991	11
Audi	Male Thread	1975-1993	11
Audi	Q5	2009-2014	9
Audi	Q7	2007-2012	9
Audi	Quattro	1983-1984	11
Audi	R8	2008-2012	9
Audi	RS4	2007-2008	9
Audi	RS6	2003	9
Audi	S4	1992-1994	11
Audi	S420	2000-2012	9
Audi	S5	2008-2012	9
Audi	S6	2002-2001	9
Audi	S6	1995-1997	11
Audi	S8	2007-2009	9
Audi	S8	2001-2003	11
Audi	TT	1998-2006	8
Audi	TT	2000-2009	9
Audi	TT Quattro	2000-2013	9
Audi	TT Roadster	1999-2006	8
Audi	TT Roadster-8J9	2007	9
Audi	TT Roadster-8N9	1999-2006	9
Audi	TT-8J3	2006	9
Audi	TT-8N3	1998-2006	9
Audi	V8 Quattro	1990-1994	11
BMW	345		9
BMW	3 Compact-E36	1994-2000	10
BMW	3 Compact-E46	2001-2005	10
BMW	3 Convertible-E30	1985-1993	10
BMW	3 Convertible-E36	1993-1999	10
BMW	3 Convertible-E46	2000	10
BMW	3 Coupe-E36	1992-1999	10
BMW	3 Coupe-E46	1999	10
BMW	3 Series	1990-1998	2
BMW	3 Series	1998-2013	21
BMW	3 Series M	2007-2013	17
BMW	3 Series M3 Convertible	2007-2013	17
BMW	3 Series M3 Sedan	2007-2011	17
BMW	3 Touring-E30	1987-1994	10
BMW	3 Touring-E46	1999-2005	10
BMW	3 Touring-E91	2005	10
BMW	318i	1991-1998	10
BMW	318is	1991-1997	10
BMW	318ti	1995-1999	10
BMW	323Ci	2000-2000	10
BMW	323i	1998-2000	10
BMW	323is	1998-1999	10
BMW	325Ci	2001-2006	10
BMW	325i	1992-2005	10
BMW	325is	1992-1995	10
BMW	325xi	2001-2005	10
BMW	328Ci	2000-2000	10
BMW	328i	1996-2000	10
BMW	330Ci	2000-2006	10
BMW	330i	2001-2005	10
BMW	330xi	2001-2005	10
BMW	3-E30	1982-1992	10
BMW	3-E36	1990-1998	10
BMW	3-E46	1998-2005	10
BMW	3-E90	2005	10

MAKE	MODEL	YEARS	NO.
BMW	5 Series Gran Turismo	2008-2017	22
BMW	5 Series Gran Turismo 535i	2009-2017	17
BMW	5 Series Gran Turismo 550i	2009-2016	17
BMW	5 Touring-E34	1991-1997	10
BMW	5 Touring-E39	1997-2004	10
BMW	520i	2003-2011	6
BMW	520i	2007-2010	17
BMW	523i	2005-2011	6
BMW	523i	2007-2010	17
BMW	525i	2003-2011	6
BMW	525i	1991-2003	10
BMW	525i	2003-2010	17
BMW	525i xDrive	2008-2011	6
BMW	525xi	2005-2011	6
BMW	528i	1997-2000	10
BMW	530i	2003-2011	6
BMW	530i	1994-2003	10
BMW	530i	2003-2010	17
BMW	530i xDrive	2008-2011	6
BMW	530xi	2005-2011	6
BMW	535i	1989-1993	10
BMW	535i Sedan	2009-2017	17
BMW	535i Wagon	2010-2017	17
BMW	540i	2005-2010	6
BMW	540i	1994-2003	10
BMW	545i	2003-2010	6
BMW	550i	2010-2015	10
BMW	550i	2010-2017	17
BMW	550i	2010-2012	22
BMW	550i	2005-2010	6repl
BMW	550i GT	2010-2015	10
BMW	550i GT	2010-2012	22
BMW	550i GT xDrive	2010-2015	10
BMW	550i GT xDrive	2011-2012	22
BMW	550i X	2011-2012	22
BMW	550i xDrive	2013-2015	10
BMW	550i xDrive Gran Turismo	2012	22
BMW	550i XGT	2010-2012	22
BMW	5-E28	1980-1990	10
BMW	5-E34	1987-1995	10
BMW	5-E39	1995-2003	10
BMW	5-E60	2003	10
BMW	6 Series	2010-2017	22
BMW	630i	2004-2011	6
BMW	640i Convertible	2011-2017	17
BMW	640i Coupe	2010-2017	17
BMW	645Ci	2004-2011	6
BMW	645Ci	2004-2005	17
BMW	650i	2005-2011	6
BMW	650i	2012-2015	10
BMW	650i	2011-2017	17
BMW	650i	2012	22
BMW	650i Cabrio	2012	22
BMW	650i Convertible	2011-2012	22
BMW	650i Coupe	2011-2012	22
BMW	650i Gran Coupe	2013-2015	10
BMW	650i Gran Coupe	2012	22
BMW	650i X Convertible	2012	22
BMW	650i X Coupe	2012	22
BMW	650i xDrive	2012-2015	10

MAKE	MODEL	YEARS	NO.
BMW	650i xDrive Gran Coupe	2012	22
BMW	7 E66	2001	10
BMW	735i	1987-1992	10
BMW	735iL	1988-1992	10
BMW	740i	1993-2001	10
BMW	740i	2008-2015	17
BMW	740iL	1993-2001	10
BMW	745i	2002-2005	10
BMW	745Li	2002-2005	10
BMW	750 Li Active Hybrid	2011	22
BMW	750 LiX	2010	22
BMW	750i	2006-2015	10
BMW	750i	2008-2015	17
BMW	750i	2009-2012	22
BMW	750i Active Hybrid	2011	22
BMW	750i X	2010	22
BMW	750i xDrive	2012-2015	10
BMW	750i xDrive	2010-2011	22
BMW	750Li	2009-2012	22
BMW	760i	2004-2006	10
BMW	760i	2009-2015	17
BMW	760i	2010-2012	22
BMW	760Li	2003-2008	10
BMW	760Li	2010-2012	22
BMW	7-E23	1977-1986	10
BMW	7-E32	1986-1994	10
BMW	7-E38	1994-2001	10
BMW	7-E65	2001	10
BMW	7Series	2008-2015	22
BMW	840Ci	1993-1997	10
BMW	850CSi	1994-1995	10
BMW	850i	1991-1992	10
BMW	8-E31	1990-1999	10
BMW	Active Hybrid	2011-2017	17
BMW	ActiveHybrid X6	2010	17
BMW	Alpina B6 xDrive Gran	2015-2015	10
BMW	Alpina B7	2007-2015	10
BMW	Alpina B7	2010-2012	22
BMW	Alpina B7 xDrive	2012-2015	10
BMW	Alpina B7 xDrive	2011-2012	22
BMW	Alpina B7L	2012-2015	10
BMW	Alpina B7L	2010-2012	22
BMW	Alpina B7L xDrive	2012-2015	10
BMW	Alpina B7L xDrive	2011-2012	22
BMW	Alpina B7LX	2011-2012	22
BMW	Alpina B7X	2011-2012	22
BMW	Brilliance 3 Series-E46	2003-2005	10
BMW	Brilliance 3 Series-E90	2004	10
BMW	Gran Turismo	2012	22
BMW	Hybrid 5	2012	22
BMW	i3	2014-2015	22
BMW	i8	2014-2015	22
BMW	M3	1994-2006	10
BMW	M3	2014-2017	17
BMW	M4	2014-2017	17
BMW	M5	1991-2015	10
BMW	M5	2012	22
BMW	M6	2008	4
BMW	M6	2012-2015	10
BMW	M6 Convertible	2012	22

MAKE	MODEL	YEARS	NO.
BMW	M6 Gran Coupe	2014-2015	10
BMW	X3	2004-2010	10
BMW	X3-E38	2004	10
BMW	X3-E53	2000	10
BMW	X5	2000-2006	10
BMW	X5	2000-2011	17
BMW	X5	2004-2013	22
BMW	X5 3.0si	2006-2008	17
BMW	X5 4.8i xDrive	2007-2008	17
BMW	X5 50iX	2011	22
BMW	X5 M	2009-2012	17
BMW	X5 M	2009-2010	22
BMW	X5 xDrive 30i	2008-2010	17
BMW	X5 xDrive 48i		17
BMW	X5 xDrive 48i	2008-2010	22
BMW	X5 xDrive 50i	2010-2012	17
BMW	X5 xDrive 50i	2010	22
BMW	X6	2008-2012	17
BMW	X6	2008-2014	22
BMW	X6 50iX	2008-2010	22
BMW	X6 Active Hybrid	2010	22
BMW	X6 Hybrid	2010-2011	22
BMW	X6 M	2009	17
BMW	X6 M	2009-2010	22
BMW	X6 xDrive 35i	2008-2014	17
BMW	X6 xDrive 50i	2007-2014	17
BMW	X6 xDrive 50i	2008	22
BMW	X6M	2008-2014	17
BMW	Z3	1996-2002	10
BMW	Z3	1996-2002	17
BMW	Z3 Coupe-E36	1997-2003	10
BMW	Z3-E36	1995-2003	10
BMW	Z4	2003-2008	10
BMW	Z4	2003-2008	17
BMW	Z4 Coupe-E86	2006	10
BMW	Z4-E85	2003	10
BMW	Z8	2000-2003	10
BMW	Z8	2000-2003	17
BMW	Z8-E53	2000-2003	10
Buick	LaCrosse	2005	21
Buick	Lesabre	1990-	3
Buick	Park Avenue	1991-	3
Buick	Rainier	2005-2007	21
Cadillac	BLS	2007	21
Cadillac	Catera	1997-2001	6
Cadillac	CTS	2006	21
Cadillac	Escalade	2004-2007	21
Cadillac	SRX	2004-2007	21
Cadillac	STS	2005-2006	21
Caterham	Super Seven	1990-1999	12
Chevrolet	Avalanche	2007	21
Chevrolet	Avalanche 1500	2002-2006	21
Chevrolet	Aveo	2004-2011	6
Chevrolet	Aveo 5	2006-2011	6
Chevrolet	Cavalier	1999-2005	6
Chevrolet	Cavalier	1999-2005	21
Chevrolet	Classic	2004-2005	6
Chevrolet	Classic	2004	21
Chevrolet	Cobalt	2007	21
Chevrolet	Colorado	2004-2007	21
Chevrolet	Corvette	1997-2004	6
Chevrolet	Corvette	1972-2004	12
Chevrolet	Epica	2004	6
Chevrolet	Equinox	2005-2007	21

MAKE	MODEL	YEARS	NO.
Chevrolet	Evanda	2005-2016	6
Chevrolet	Express 1500	2004-2007	21
Chevrolet	Express 2500	2003-2007	21
Chevrolet	Express 3500	2003-2007	21
Chevrolet	HHR	2007	21
Chevrolet	Kalos	2005-2016	6
Chevrolet	Lacetti	2005-2016	6
Chevrolet	Malibu	1999-2003	6
Chevrolet	Malibu	2001-2007	21
Chevrolet	Matiz	2005-2016	6
Chevrolet	Nova	1989-1998	4
Chevrolet	Optra	2004-2010	6
Chevrolet	Silverado 1500	1999-2007	21
Chevrolet	Silverado 1500 HD	2002-2007	21
Chevrolet	Silverado 2500	1999-2004	21
Chevrolet	Silverado 2500 HD	2001-2007	21
Chevrolet	Silverado 3500	2001-2007	21
Chevrolet	Silverado 3500 HD	2007	21
Chevrolet	Spectrum	1989-1988	4
Chevrolet	Sprint	1986-1988	4
Chevrolet	SSR	2003-2006	6
Chevrolet	SSR	2006	21
Chevrolet	Suburban 1500	2001-2007	21
Chevrolet	Suburban 2500	2001-2007	21
Chevrolet	Tahoe	2000-2007	21
Chevrolet	Trailblazer	2002-2007	21
Chevrolet	Venture	1997-	3
Chevrolet	Viva	2003-2008	21
Chrysler	300C	2005-2012	2
Chrysler	300C Touring	2005-2010	2
Chrysler	Crossfire	2003-2008	2
Chrysler	Grand Voyager V	2007-2017	2
Chrysler	Laser	1991-1998	4
Chrysler	Neon II	1999-2006	2
Chrysler	PT Cruiser	2004-2008	2
Chrysler	Sebring	2007-2010	2
Chrysler	Sebring	1995-	3
Chrysler	Sebring	1996-1998	4
Chrysler	Voyager III	1995-2001	2
Citroen	BX	1986-1994	2
Citroen	Jumper Box	1994-2002	22
Citroen	Jumper Box 230L	1994-2002	7
Citroen	Jumper Bus	1994-2002	22
Citroen	Jumper Bus 230P	1994-2002	7
Citroen	Jumper Platform 230	1994-2002	7
Crysler	Crossfire	2004-	13
Daewoo	Aranos	1995-1997	21
Daewoo	Cielo	1995-1997	21
Daewoo	Espero	1991-1999	21
Daewoo	Kalos	2002-2016	21
Daewoo	Lanos	1997-2016	6
Daewoo	Leganza	1997-2002	6
Daewoo	Nexia	1995-2008	21
Daewoo	Nubira	1999-2002	6
Daewoo	Nubira	1997-2016	21
Daewoo	Rezzo	2000-2016	6
Daihatsu	Charade Centrol V	1994-1998	4
Daihatsu	Charade IV	1994-2016	4
Daihatsu	Cuore V	1998-2003	4
Daihatsu	Feroza	1998-1999	3
Daihatsu	Mira III	1995-1995	4
Daihatsu	Sirion	2005-2017	4
Daihatsu	Terios	1997-2005	4

MAKE	MODEL	YEARS	NO.
Daihatsu	YRV	2001-2017	4
Dodge	Avenger	1995	4
Dodge	Caravan	1989-	3
Dodge	Colt	1984-1991	4
Dodge	Dakota	1989	3
Dodge	Journey	2008-2017	2
Dodge	Nitro	2007-2012	2
Dodge	Ram 50	1989-1992	4
Dodge	Stealth	1996-1996	4
Dodge	Stratus	1995-	3
Eagle	Summit	1989	4
Eagle	Talon	1991-1998	4
Fiat	Brava	1995-2002	7
Fiat	Bravo	1995-2001	7
Fiat	Cinquecento	1991-1999	7
Fiat	Coupe FA/175	1993-2000	7
Fiat	Croma	1985-1996	7
Fiat	Croma	2005-2013	21
Fiat	Croma-154	1985-1996	7
Fiat	Ducato	1994-2002	7
Fiat	Ducato	2002-2016	22
Fiat	Ducato Box 230L	1994-2002	7
Fiat	Ducato Box 244	2002	7
Fiat	Ducato Bus 230	1994-2002	7
Fiat	Ducato Bus 244Z	2002	7
Fiat	Ducato Platform 230	1994-2002	7
Fiat	Duna	1987-1991	7
Fiat	Duna Weekend	1987-1991	7
Fiat	Marea	1996-2007	7
Fiat	Marea Weekend	1996-2007	7
Fiat	Panda	1980-2004	7
Fiat	Seicento	1998-2010	7
Fiat	Tempra	1990-1998	7
Fiat	Tempra S.W.	1990-1996	7
Fiat	Ulysse	1994-2002	7
Fiat	UNO	1983-2006	7
Ford	Aspire	1994-1997	4
Ford	B-Max	2012-2017	15
Ford	C-MAX		14
Ford	C-Max DM2	2007-2010	15
Ford	C-Max MKII	2010-2016	15
Ford	Contour	1995-2002	6
Ford	Contour	1995-2000	14
Ford	Cougar	1998-2001	12
Ford	Courier	2002-2004	3
Ford	Courier	1996-1999	4
Ford	Courier	1996-2003	21
Ford	Courier III	1990-1995	12
Ford	Courier IV	1995-2001	12
Ford	Crown Victoria	1993-2011	21
Ford	E-150	2003-2012	21
Ford	E-150 Club Wagon	2003-2005	21
Ford	E-150 Econoline	1992-2002	21
Ford	E-150 Econoline Club Wagon	1992-2012	21
Ford	E-250 Econoline	1992-2002	21
Ford	E-250 Super Duty	2004-2005	21
Ford	E-350	2003	21
Ford	E-350 Club Wagon	2003-2005	21
Ford	E-350 Econoline	1992-2002	21
Ford	E-350 Econoline Club Wagon	1992-2002	21
Ford	E-350 Super Duty	2004-2012	21
Ford	EconoVan	1985-1997	3

MAKE	MODEL	YEARS	NO.
Ford	Ecosport	2012-2017	15
Ford	Edge	2007-2012	21
Ford	Escort	1991-2002	4
Ford	Escort	1985-2000	21
Ford	Escort 55 IV	1986-1990	12
Ford	Escort 55 VI	1994-2000	12
Ford	Escort 75 VI		12
Ford	Escort Express	1990-1994	21
Ford	Escort IV	1986-1990	12
Ford	Escort V	1990-1996	12
Ford	Escort VI	1995-2000	12
Ford	Escort'95 Express	1995-2016	6
Ford	Excursion	2000-2005	21
Ford	Expedition	2009-2011	4
Ford	Expedition	1997-2008	21
Ford	Explorer	1995-2001	4
Ford	Explorer	2002-2012	21
Ford	Explorer Sport Trac	2001-2005	4
Ford	F150	2009-2011	4
Ford	F-150	1997-2012	21
Ford	F-250 Super Duty	1999-2012	21
Ford	F-350 Super Duty	2005-2012	21
Ford	F-450 Super Duty	2005-2012	21
Ford	F-550 Super Duty	2005-2012	21
Ford	Falcon	1986-1993	2
Ford	Festiva	1989-1993	4
Ford	Fiesta	1995-	6
Ford	Fiesta	2008-2016	15
Ford	Fiesta	1989-1997	21
Ford	Fiesta Classic	1987-1989	12
Ford	Fiesta II	1989	12
Ford	Fiesta III	1989-1996	12
Ford	Fiesta IV	1995-1999	12
Ford	Fiesta MK VI	2008-2017	15
Ford	Fiesta V	2001-2008	6
Ford	Fiesta V	1999-2002	12
Ford	Fiesta V	2001-2010	15
Ford	Fiesta V	2001-2010	21
Ford	Fiesta Van 11	1987-1989	12
Ford	Fiesta Van 111	1989-1996	12
Ford	Fiesta Van IV	1995-2002	12
Ford	Fiesta Van V	1999-2002	12
Ford	Fiesta Van VI	2002-2008	12
Ford	Five Hundred	2005-2007	21
Ford	Flex	2009-2012	21
Ford	Focus	1998-	6
Ford	Focus	2000-2005	14
Ford	Focus	2004-2016	21
Ford	Focus 1	1998-2005	12
Ford	Focus C-Max	2003-2007	15
Ford	Focus Turnier	2010-2016	15
Ford	Focus Wagon 1	1998-2005	12
Ford	Freestar	2004-2007	21
Ford	Fusion	2006-	6
Ford	Fusion	2002-2005	12
Ford	Fusion	2002-2012	21
Ford	Galaxy	1995-2006	8
Ford	Galaxy	2006-2015	15
Ford	Granada	1985-1994	21
Ford	Granada Scorpio	1985-1994	12
Ford	Grand C-Max	2010-2016	15
Ford	KA	1996-2009	21
Ford	Ka 1	1996-2005	12
Ford	Kuga	2013-2017	15

MAKE	MODEL	YEARS	NO.
Ford	Kuga I	2008-2016	15
Ford	Laser	1994-1999	3
Ford	Laser	2001-2002	4
Ford	Late Model		23
Ford	LTD	1991-1995	2
Ford	Mondeo	1996-2007	12
Ford	Mondeo	2000-2007	14
Ford	Mondeo	2007-2014	15
Ford	Mondeo Estate Wagon	1996-2007	12
Ford	Mondeo I	1993-1996	12
Ford	Mondeo Turnier	2007-2014	15
Ford	Mondeo V	2013-2017	15
Ford	Mondeo Wagon I	1993-1996	12
Ford	Mondeo Wagon II	1996-2000	12
Ford	Mustang	1997-2004	4
Ford	Mustang	1996-2012	21
Ford	Orion	1985-1990	21
Ford	Orion II	1986-1990	12
Ford	Orion III	1990-1993	12
Ford	P100 Sierra	1989-1994	12
Ford	Probe	1994-1998	3
Ford	Probe	1989-1997	4
Ford	Puma I	1997-2002	12
Ford	Ranger	1995-2011	4
Ford	Ranger	1990-2017	15
Ford	Ranger	1998-2011	21
Ford	Scorpio I	1984-1994	12
Ford	Scorpio II	1994-1998	12
Ford	Sierra	1982-1987	21
Ford	Sierra Cosworth II	1987-1993	12
Ford	Sierra I	1984-1987	12
Ford	Sierra II	1987-1993	12
Ford	Sierra Sapphire II	1987-1993	12
Ford	S-Max	2006-2014	15
Ford	Streetka I	2003-2005	12
Ford	Taurus	1996-2012	21
Ford	Telstar	1992-1994	3
Ford	Tempo	1992-1994	4
Ford	Thunderbird	1992-1995	4
Ford	Thunderbird	2002-2005	21
Ford	Tourneo Connect	2002-2013	6
Ford	Tourneo Connect	2002-2013	21
Ford	Tourneo Courier	2014-2017	15
Ford	Transit	2000-2006	2
Ford	Transit	2000-2006	12
Ford	Transit	2006-2016	15
Ford	Transit 100	1994-1999	12
Ford	Transit 120	1994-1999	12
Ford	Transit 150	1994-1999	12
Ford	Transit 190	1994-1999	12
Ford	Transit 260	2000-2006	12
Ford	Transit 280	2000-2006	12
Ford	Transit 300	2000-2006	12
Ford	Transit 330	2000-2006	12
Ford	Transit 350	2000-2006	12
Ford	Transit 425	2003-2006	12
Ford	Transit 430	2001-2006	12
Ford	Transit Connect	2013-2017	15
Ford	Transit Connect	2002-	12
Ford	Transit Custom	2012-2017	15
Ford	Transit Tourneo	2000-2006	12
Ford	Transit Tourneo	1994-2014	15
Ford	Windstar	1996-1999	4

MAKE	MODEL	YEARS	NO.
Ford	Windstar	1999-2003	21
Ford Asia & Oceanic	Fiesta	2002-2013	15
Ford Asia & Oceanic	Focus	2004-2011	15
Ford Asia & Oceanic	Focus Estate Wagon	2011	15
Ford Asia & Oceanic	Mondeo	2007	15
Ford Asia & Oceanic	Ranger	2011	15
Ford Australia	Fiesta Hatchback WT	2010	15
Ford Australia	Fiesta Saloon WT	2010	15
Ford Australia	Fiesta WS	2008	15
Ford Australia	Focus Hatchback LT	2005	15
Ford Australia	Focus Hatchback LV	2009-2011	15
Ford Australia	Focus Saloon LS, LT	2005	15
Ford Australia	Focus Saloon LV	2009-2011	15
Ford Australia	Mondeo Hatchback MA, MB	2007	15
Ford Europe	B-Max	2012	15
Ford Europe	C-Max	2007-2012	15
Ford Europe	Fiesta	2001-2013	15
Ford Europe	Fiesta Van	2008-2010	15
Ford Europe	Focus	2004-2013	15
Ford Europe	Focus CC	2006-2011	15
Ford Europe	Focus C-Max	2003-2007	15
Ford Europe	Focus Estate Wagon	2004-2013	15
Ford Europe	Focus Van	2005-2013	15
Ford Europe	Galaxy	2006-2011	15
Ford Europe	Galaxy Van	2006-2010	15
Ford Europe	Grand C-Max	2010-2012	15
Ford Europe	Kuga	2008-2012	15
Ford Europe	Mondeo	2007-2012	15
Ford Europe	Mondeo Estate Wagon	2007-2011	15
Ford Europe	S-Max	2006-2011	15
Ford Europe	Transit 250	2011	15
Ford Europe	Transit 260	2006	15
Ford Europe	Transit 280	2006	15
Ford Europe	Transit 300	2006	15
Ford Europe	Transit 330	2006-2013	15
Ford Europe	Transit 350	2006-2013	15
Ford Europe	Transit 370	2006	15
Ford Europe	Transit 410	2006	15
Ford Europe	Transit 430	2006-2013	15
Ford Europe	Transit 460	2006	15
Ford Europe	Transit Custom 250	2012	15
Ford Europe	Transit Custom 270	2012	15
Ford Europe	Transit Custom 290	2012	15
Ford Europe	Transit Custom 300	2012	15
Ford Europe	Transit Custom 310	2012	15
Ford Europe	Transit Custom 330	2012	15
Ford Europe	Transit Tourneo	2012	15
Ford Europe	Transit Tourneo Custom	2012	15
Ford Intl	C-Max	2007-2012	15
Ford Intl	C-Max 11	2010	15
Ford Intl	Fiesta V JH, J0	2001	15
Ford Intl	Fiesta V1	2008-2009	15
Ford Intl	Fiesta Van	2009	15
Ford Intl	Focus 11 0A	2004	15
Ford Intl	Focus 11 Convertible	2006	15
Ford Intl	Focus 11 Estate 0AV	2004	15

MAKE	MODEL	YEARS	NO.
Ford Intl	Focus 11 Station Wagon 0AW	2004	15
Ford Intl	Focus 111	2011	15
Ford Intl	Focus 111 Saloon	2011	15
Ford Intl	Focus 111 Turnier	2011	15
Ford Intl	Focus C-Max	2003-2007	15
Ford Intl	Focus Saloon 0A	2005	15
Ford Intl	Galaxy	2006	15
Ford Intl	Grand C-Max	2010	15
Ford Intl	Kuga	2008	15
Ford Intl	Modeo 1V	2007	15
Ford Intl	Mondeo 1V Saloon	2007	15
Ford Intl	Mondeo 1V Turnier	2007	15
Ford Intl	Ranger	2011	15
Ford Intl	S-Max	2006	15
Ford Intl	Transit Bus	2006	15
Ford Intl	Transit Flatbed Chassis	2006	15
Ford Intl	Transit Tourneo	2006	15
Ford USA	Ranger	2011	15
Geo	Metro	1989-1993	4
Geo	Prizm	1989-1991	4
Geo	Spectrum	1989	4
Geo	Storm	1990-1993	4
Geo	Tracker	1989	4
GM	Achieva		6
GM	Grand Am	1992-2002	6
GM	Late Model		23
GM	Skylark		6
GM (Buick)	Nova		4
GM (Buick)	Spectrum		4
GM (Buick)	Sprint		4
GM (Buick)			2
GMC	Canyon	2004-2007	21
GMC	Envoy	2003-2007	21
GMC	K2500 Suburban	1999	21
GMC	Savana 1500	2003-2007	21
GMC	Savana 2500	2003-2007	21
GMC	Savana 3500	2004-2007	21
GMC	Sierra 1500	1999-2007	21
GMC	Sierra 1500 HD	2001-2007	21
GMC	Sierra 2500	1999-2004	21
GMC	Sierra 2500 HD	2001-2007	21
GMC	Sierra 3500	2001-2007	21
GMC	Sierra 3500 HD	2007	21
GMC	Sierra C3	2001	21
GMC	Yukon	2000-2006	21
GMC	Yukon XL 1500	2000-2007	21
GMC	Yukon XL 2500	2001-2007	21
Holden	Apollo	1991-1993	3
Holden	Apollo	1995-1997	4
Holden	Colorado	2008-2012	3
Holden	Commodore	1999-2000	2
Holden	Nova	1991-1994	3
Holden	Statesman	1995-1999	2
Holden	Suburban	1998-2000	2
Honda	Accord	1990-1993	4
Honda	Accord Euro VIII	2008-2015	4
Honda	Accord VIII	2008-2017	4
Honda	City	2009-2017	4
Honda	Civic	1988-1991	4
Honda	Civic VIII	2006-2017	4
Honda	CRX	1989-1990	4
Honda	HR-V	1999-2017	4

MAKE	MODEL	YEARS	NO.
Honda	Integra	2002-2017	4
Honda	Jazz III	2008-2017	4
Honda	Legend	2008-2014	4
Honda	Legend II	1991-1996	4
Honda	Legend III	1996-2017	4
Honda	Legend IV	2006-2017	4
Honda	Motorcycles	1991-2004	4
Honda	Odyssey	2008-2015	4
Honda	Passport	1994-2002	4
Honda	Prelude	1990-1998	4
Honda	Prelude V	1997-2001	4
Honda	S2000	1999-2017	4
Hummer	H2	2004-2006	21
Hummer	H3	2006	21
Hyundai	Accent	1995-2010	4
Hyundai	Accent II	2002-2005	3
Hyundai	Azera	2006-2010	4
Hyundai	Coupe	1996-2002	3
Hyundai	Elantra	2000-2006	3
Hyundai	Elantra	1992-2011	4
Hyundai	Entourage	2007-2008	4
Hyundai	Excel	1994-2000	3
Hyundai	Excel	1986-1994	4
Hyundai	Genesis	2009-2010	4
Hyundai	Genesis Coupe	2010	4
Hyundai	Getz	2005-2016	3
Hyundai	Santa Fe	2002-2010	4
Hyundai	Santa Fe I	2001-2006	4
Hyundai	Scoupe	1994	4
Hyundai	Sonata	1989-2011	4
Hyundai	Sonata III	1993-1998	3
Hyundai	Tiburon	1998-2008	4
Hyundai	Tucson	2004-2010	3
Hyundai	Tuscon	2005-2010	4
Hyundai	Veracruz	2007-2010	4
Hyundai	XG 350	2004	4
Infiniti	FX35	2003-2007	4
Infiniti	G20	1991-2002	4
Infiniti	G35	2007-2007	4
Infiniti	I30	1997-2000	4
Infiniti	I35	2002-2004	4
Infiniti	J30	1996	4
Infiniti	M30	1990-1992	4
Infiniti	M35	2006-2009	4
Infiniti	M45	2003-2010	4
Infiniti	Q45	1990-2006	4
Infiniti	QX4	1998-2003	4
Isuzu	Amigo	1989-2000	4
Isuzu	Ascender	2003-2006	21
Isuzu	Axiom	2002-2004	4
Isuzu	D-MAX	2007-2016	3
Isuzu	i-280	2006	21
Isuzu	i-290	2007	21
Isuzu	I-Mark	1985-1989	4
Isuzu	Impulse	1985-1992	4
Jaguar	All	1990-1994	6
Jaguar	XJ	1994-1997	2
Jaguar	XJ8	1998-2001	6
Jaguar	XJR	1998-2001	6
Jaguar	XJS	1993-1996	2
Jaguar	XK8	1997-2006	6
Jaguar	XKR	2000-2006	6
Jaguar	X-Type	2002-2007	6
Jeep	Cherokee	2001-2017	2

MAKE	MODEL	YEARS	NO.
Jeep	Commander	2006-2010	2
Jeep	Compass	2006-2017	2
Jeep	Grand Cherokee II	2001-2005	2
Jeep	Grand Cherokee III	2005-2010	2
Jeep	Patriot	2008-2017	2
Jeep	Wrangler II	1996-2007	2
Jeep	Wrangler III	2007-2017	2
Jeep			2
Jeep			3
Jeep			6
Jeep			7
Kia	Amanti	2006-2009	4
Kia	Borrego	2009	4
Kia	Carnival I	2000-2001	3
Kia	Forte	2011	4
Kia	Optima	2002-2010	4
Kia	RIO	2000-2005	3
Kia	Rio	2002-2011	4
Kia	Rio 5	2007-2011	4
Kia	RIOII	2005-2017	3
Kia	Rondo	2009-2010	4
Kia	Sedona	2003-2011	4
Kia	Sephia	1994-2001	4
Kia	Sorento I	2007-2017	3
Kia	Sorento	2003-2011	4
Kia	Soul	2010-2011	4
Kia	Spectra	2002-2009	4
Kia	Spectra 5	2005-2009	4
Kia	Sportage	2006-2017	3
Kia	Sportage	1995-2011	4
Lancia	Dedra	1989-1999	7
Lancia	Dedra SW	1994-1999	7
Lancia	Delta II-836	1993-1999	7
Lancia	Kappa Coupe-838	1996-2001	7
Lancia	Kappa SW-838B	1996-2001	7
Lancia	Kappa-938A	1994-2001	7
Lancia	Lybra	1999-2005	7
Lancia	Thema SW-834	1987-1994	7
Lancia	Thema-834	1984-1994	7
Lancia	Y	1995-2003	7
Lancia	Y10	1985-1995	7
Lancia	Ypsilon	2006-2011	6
Lancia	Zeta	1995-2002	7
Land Rover	Defender	2007-2016	2
Land Rover	Defender	1998-2016	7
Land Rover	Discovery	1989-2004	6
Land Rover	Discovery	1999-2004	22
Land Rover	Freelander	1998-2006	7
Land Rover	Freelander	2006-2013	15
Land Rover	Freelander 2 FA	2006	15
Land Rover	Freelander2	2006-2014	15
Land Rover	Freelander-LN	1998	10
Land Rover	LR2	2006	15
Land Rover	Range Rover	1988-1994	6
Land Rover	Range Rover	2003-2005	10
Land Rover	Range Rover	1995-2005	22
Land Rover	Range Rover Evoque	2011-2017	15
Land Rover	Range Rover I	1988-1994	2
Land Rover	Range Rover III-LM	2002	10
Land Rover			12
Lexus	LS F	2008-2013	19
Lexus	ES300	1996-2003	4
Lexus	ES330	2005	4
Lexus	GS	2005-2011	4

MAKE	MODEL	YEARS	NO.
Lexus	GS460	2008-2011	19
Lexus	HS 250h	2010	19
Lexus	HS250h	2010-2011	19
Lexus	IS C	2009-2017	4
Lexus	IS F	2008-2014	19
Lexus	IS I	2001-2005	4
Lexus	LS	1998-2000	3
Lexus	LS 600h	2008-2012	19
Lexus	LS400	1992	4
Lexus	LS460	2007-2013	19
Lexus	LS600h	2008-2012	19
Lexus	LX 450	1996-1999	4
Lexus	LX 470	1998-2005	4
Lexus	RX	2008-2015	4
Lexus	SC400	1992	4
Lincoln	Continental	1995-2002	21
Lincoln	Mark VIII	1993-1998	21
Lincoln	MKS	2009-2012	21
Lincoln	MKT	2010-2012	21
Lincoln	MKX	2007-2012	21
Lincoln	MKZ	2007-2012	21
Lincoln	Navigator	2009-2011	4
Lincoln	Town Car	1993-2011	21
Lincoln	Zephyr	2006	21
Maserati	Gran sport Coupe	2004-2007	6
Mazda	2	2003-2017	4
Mazda	2	2002-2007	12
Mazda	2	2007	15
Mazda	3	2003-2017	15
Mazda	5	2010	15
Mazda	6	2007-2017	3
Mazda	121	1996-2002	12
Mazda	323	1986-1996	4
Mazda	626	1985-1999	4
Mazda	929	1990-1993	4
Mazda	121 III	1996-2003	6
Mazda	2 0E	2007	15
Mazda	2 Series	2007-2015	15
Mazda	3 BK	2003	15
Mazda	3 BL	2009	15
Mazda	3 Saloon BK	2000-2009	15
Mazda	3 Saloon BL	2009	15
Mazda	3 Series	2003-2009	15
Mazda	323 Astina VI	2001-2004	4
Mazda	323 Protege VI	1998-2004	4
Mazda	5 CW	2010	15
Mazda	5 Series	2010-2017	15
Mazda	Axela	2003	15
Mazda	B2000	1986-1987	4
Mazda	B2200	1988-1993	4
Mazda	B2300	2005	4
Mazda	B2500	1998-2000	4
Mazda	B2600	1987-1993	4
Mazda	B3000	1996-2007	4
Mazda	B4000	1995-2006	4
Mazda	B-Series Bravo	1999-2006	3
Mazda	BT50	2011	15
Mazda	CX-7	2009-2017	3
Mazda	CX-9	2007-2010	4
Mazda	Mazda 6	2006	21
Mazda	Mazda3	2004-2009	15
Mazda	Miata	1991-2005	4
Mazda	Millenia	1995-2002	4
Mazda	MPV	2006-2011	3

MAKE	MODEL	YEARS	NO.
Mazda	MPV	1991-2006	4
Mazda	MX-5	2005-2011	3
Mazda	MX-5 I	1990-1994	3
Mazda	MX-5 Miata	2006-2012	4
Mazda	MX-6	1991-1997	4
Mazda	Protégé	1993-2003	4
Mazda	Protégé 5	2002-2003	4
Mazda	RX-7	1986-1995	4
Mazda	RX-8	2005-2009	4
Mercedes Benz	350	2006-2012	6
Mercedes Benz	500	2006-2012	6
Mercedes Benz	600	2006-2012	6
Mercedes Benz	300SE	1992-1993	13
Mercedes Benz	400SE	1992	13
Mercedes Benz	400SEL	1993	13
Mercedes Benz	500SEC	1993	13
Mercedes Benz	500SEL	1992-1993	13
Mercedes Benz	500SL	1990-1993	13
Mercedes Benz	55 AMG	2006-2012	6
Mercedes Benz	600SEC	1993	13
Mercedes Benz	600SEL	1992-1993	13
Mercedes Benz	600SL	1993	13
Mercedes Benz	A 140	1997-2004	16
Mercedes Benz	A 150	2004-2012	16
Mercedes Benz	A 160	1997-2004	16
Mercedes Benz	A 160 CDi	2004-2012	16
Mercedes Benz	A 170	2004-2012	16
Mercedes Benz	A 170 CDi	1997-2004	16
Mercedes Benz	A 180	2004-2012	16
Mercedes Benz	A 180 CDi	2004-2012	16
Mercedes Benz	A 190	1997-2004	16
Mercedes Benz	A 200	2004-2012	16
Mercedes Benz	A 200 CDi	2004-2012	16
Mercedes Benz	A 210	1997-2004	16
Mercedes Benz	A140	1997-2004	16
Mercedes Benz	A150	2004-2012	16
Mercedes Benz	A160	1997-2012	16
Mercedes Benz	A170	1998-2012	16
Mercedes Benz	A180	2004-2012	16
Mercedes Benz	A190	1999-2004	16
Mercedes Benz	A2 00 Turbo	2004-2012	16
Mercedes Benz	A200	2004-2012	16
Mercedes Benz	A21 AMG	2002-2004	16
Mercedes Benz	A210	2002-2004	16
Mercedes Benz	A-Class	1997-2004	2
Mercedes Benz	B 150	2005-2011	16
Mercedes Benz	B 160	2005-2011	16
Mercedes Benz	B 170	2005-2011	16
Mercedes Benz	B 170 NGT	2005-2011	16
Mercedes Benz	B 180	2005-2011	16
Mercedes Benz	B 180 CDi	2005-2011	16
Mercedes Benz	B 180 NGT	2005-2011	16
Mercedes Benz	B 200	2005-2011	16
Mercedes Benz	B 200 CDi	2005-2011	16
Mercedes Benz	B 200 Turbo	2005-2011	16
Mercedes Benz	B150	2009-2011	16
Mercedes Benz	B160	2009-2011	16
Mercedes Benz	B170	2005-2011	16
Mercedes Benz	B180	2000-2011	16
Mercedes Benz	B200	2005-2011	16
Mercedes Benz	C230	2002	13
Mercedes Benz	C240	2001-2005	13
Mercedes Benz	C280	1994-2007	13
Mercedes Benz	C300	2008-2009	13

MAKE	MODEL	YEARS	NO.
Mercedes Benz	C32 AMG	2002-2004	13
Mercedes Benz	C320	2001-2005	13
Mercedes Benz	C350	2008	13
Mercedes Benz	C36 AMG	1995-1997	13
Mercedes Benz	C43 AMG	1998-2000	13
Mercedes Benz	C-Classe	2007-2014	6
Mercedes Benz	CL500	1998-2006	13
Mercedes Benz	CL55 AMG	2001-2002	13
Mercedes Benz	CL600	1998-2006	13
Mercedes Benz	CL65 AMG	2005-2006	13
Mercedes Benz	CLK 320	1998-2005	13
Mercedes Benz	CLK 430	1999-2003	13
Mercedes Benz	CLK Cabriolet	2006-2010	6
Mercedes Benz	CLK500	2003-2005	13
Mercedes Benz	CLK55 AMG	2001-2005	13
Mercedes Benz	CLS 500	2006-2006	13
Mercedes Benz	CLS 55 AMG	2006-2006	13
Mercedes Benz	CLS 550	2007-2011	13
Mercedes Benz	CLS 63 AMG	2007-2010	13
Mercedes Benz	E 320	2004-2009	13
Mercedes Benz	E 320 Sedan	2003-2003	13
Mercedes Benz	E 350	2006-2009	13
Mercedes Benz	E 500	2003-2006	13
Mercedes Benz	E 55 AMG	2003-2006	13
Mercedes Benz	E 550	2007-2009	13
Mercedes Benz	E 63 AMG	2007-2009	13
Mercedes Benz	E300	1996-1997	13
Mercedes Benz	E320	1996-2005	13
Mercedes Benz	E350	2006-2006	13
Mercedes Benz	E420	1997	13
Mercedes Benz	E430	1998-2002	13
Mercedes Benz	E500	2003-2006	13
Mercedes Benz	E55 AMG	1999-2002	13
Mercedes Benz	E550	2009	13
Mercedes Benz	E-CELL	2004-2012	16
Mercedes Benz	E-Class	1997-2008	2
Mercedes Benz	E-Classe	2005-2008	6
Mercedes Benz	E-Classe T-Model	2006-2009	6
Mercedes Benz	F-CELL	2005-2011	16
Mercedes Benz	G500	2002-2005	13
Mercedes Benz	G55 AMG	2003-2005	13
Mercedes Benz	GL450	2007-2008	13
Mercedes Benz	MB100	1999-2003	2
Mercedes Benz	ML500	2007-2007	13
Mercedes Benz	ML550	2008-2009	13
Mercedes Benz	ML-Class	1997-2011	6
Mercedes Benz	NL350	2006-2008	13
Mercedes Benz	S320	1994-1999	13
Mercedes Benz	S350	1994-2006	13
Mercedes Benz	S420	1994-1999	13
Mercedes Benz	S500	1994-2006	13
Mercedes Benz	S55 AMG	2001-2006	13
Mercedes Benz	S600	1994-2006	13
Mercedes Benz	S65 AMG	2006	13
Mercedes Benz	S-Class	1989-1991	2
Mercedes Benz	SL320	1994-1997	13
Mercedes Benz	SL500	1994-1998	13
Mercedes Benz	SL600	1994-2002	13
Mercedes Benz	SLK280	2006-2008	13
Mercedes Benz	SLK32 AMG	2002-2004	13
Mercedes Benz	SLK320	2001-2004	13
Mercedes Benz	SLK350	2006	13
Mercedes Benz	SLK55 AMG	2008	13
Mercedes Benz	Sprinter3-TKasten	2006-2009	6

MAKE	MODEL	YEARS	NO.
Mercedes Benz	Vaneo	2001-2005	16
Mercedes Benz	Vaneo 1.6	2002	16
Mercedes Benz	Vaneo 1.7	2002	16
Mercedes Benz	Vaneo 1.9	2002	16
Mercedes Benz	W123		3
Mercedes Benz	W124		3
Mercedes Benz	W126		3
Mercedes Benz	W168	1997-2004	16
Mercedes Benz	W201		3
Mercedes Benz			2
Mercedes Benz			4
Mercury	Capri	1991-1994	4
Mercury	Cougar	1989-1992	4
Mercury	Cougar	1999-2002	14
Mercury	Cougar	1993-1997	21
Mercury	Grand Marquis	1993-2011	21
Mercury	Milan	2006-2011	21
Mercury	Mistique	1995-2000	6
Mercury	Monterey	2004-2007	21
Mercury	Mountaineer	1997-2000	4
Mercury	Mystique	1995-2000	14
Mercury	Sable	1996-2009	21
Mercury	Topaz	1992-1994	4
Mercury	Tracer	1988-1999	4
Mercury	V6 Cougar	1993-1997	4
Mercury	Villager	1994-2002	4
Mini Cooper	Cooper	2008-2012	22
Mini Cooper	Cooper Clubman	2008-2012	22
Mini Cooper	Cooper Convertible	2009-2012	22
Mini Cooper	Cooper Countryman	2011-2012	22
Mini Cooper	Cooper S	2007-2012	22
Mini Cooper	Cooper S Clubman	2008-2012	22
Mini Cooper	Cooper S Convertible	2009-2012	22
Mini Cooper	Cooper SX	2011-2012	22
Mini Cooper	Cooper Works	2007-2012	22
Mini Cooper	Cooper Works Clubman	2008-2012	22
Mini Cooper	Cooper Works Convertible	2009-2012	22
Mini Cooper	Countryman	2010-2017	22
Mini Cooper	Mini	2004-2006	2
Mini Cooper	Mini Clubman	2007-2014	22
Mini Cooper	Mini Clubvan	2010-2017	22
Mini Cooper	Mini Cooper	2006-2013	22
Mini Cooper	Mini Countryman	2010-2013	22
Mini Cooper	Mini Coupe	2011	22
Mini Cooper	Mini One	2009-2010	22
Mini Cooper	Mini Roadster	2012-2017	22
Mini Cooper	Most trims	2011-2015	22
Mini Cooper	Paceman	2013-2016	22
Mini Cooper	S	2002-	7
Mitsubishi	3000GT	1992-1996	4
Mitsubishi	Challenger I	1998-2017	3
Mitsubishi	Colt III	1986-1990	2
Mitsubishi	Cordia	1986-1988	4
Mitsubishi	Diamante	1992-1995	4
Mitsubishi	Eclipse	1990-1999	4
Mitsubishi	Galant	1989-1993	4
Mitsubishi	Galant IV	1989-1992	2
Mitsubishi	L300Express	2006-2013	3
Mitsubishi	Lancer	2006-2017	3
Mitsubishi	Magna	1989-1991	2
Mitsubishi	Mighty Max	1987-1994	4
Mitsubishi	Mirage	1985-1992	4

MAKE	MODEL	YEARS	NO.
Mitsubishi	Montero	1989-1998	4
Mitsubishi	Outlander	2003-2011	4
Mitsubishi	Outlander II	2007-2012	3
Mitsubishi	Outlander Sport	2011	4
Mitsubishi	Pajero	2002-2005	2
Mitsubishi	Pajero IV	2009-2017	3
Mitsubishi	Precis	1988-1992	4
Mitsubishi	Starion	1984-1986	4
Mitsubishi	Tridon	1986-2005	2
Mitsubishi	Triton	1996-2006	3
Nissan	200SX	1993-1999	3
Nissan	200SX	1984-1988	4
Nissan	240SX	1990-1994	4
Nissan	300ZX	1984-1996	4
Nissan	350Z	2003-2017	3
Nissan	Altima	1993-2006	4
Nissan	Axxess	1990	4
Nissan	Cube	2009-2010	4
Nissan	D21	1986-1994	4
Nissan	Frontier	1998-2011	4
Nissan	Maxima	1995-2000	3
Nissan	Maxima	1987-2008	4
Nissan	Murano	2003-2007	4
Nissan	Navara III	2003-2016	3
Nissan	NX	1991-1993	4
Nissan	Pathfinder	1987-2004	4
Nissan	Pathfinder I	1986-1995	3
Nissan	Pulsar	2000-2006	3
Nissan	Pulsar NX	1987-1989	4
Nissan	Pulsar V	1991-1995	3
Nissan	Pulsar VII	2002-2017	3
Nissan	Quest	1994-2009	4
Nissan	Rogue	2009-2010	4
Nissan	Sentra	1987-2011	4
Nissan	Skyline	1998-2011	3
Nissan	Stanza	1987-1992	4
Nissan	Tiida	2007-2016	3
Nissan	Versa	2007-2011	4
Nissan	Xterra	2000-2012	4
Oldsmobile	Alero	1999-2004	6
Oldsmobile	Alero	1999-2004	21
Oldsmobile	Cutlass	1999	21
Oldsmobile	Intrigue	2002	21
Oldsmobile	Silhouette	1990-	3
Opel	Agila	2000-2008	12
Opel	Agila	2000-2007	21
Opel	Ascona B	1978-1981	12
Opel	Ascona C	1981-1988	12
Opel	Ascona C	1981-1988	21
Opel	Astra	1991-2013	21
Opel	Astra Cabrio	2003-2006	21
Opel	Astra Cabrio F	1993-2001	12
Opel	Astra Cabrio G	2001-2005	12
Opel	Astra Classic	2006-2009	21
Opel	Astra Classic F	1998-2002	12
Opel	Astra Coupe	2003-2005	21
Opel	Astra Coupe G	1999-2005	12
Opel	Astra F	1991-1998	12
Opel	Astra G	1998-2005	12
Opel	Astra GTC	2005-2011	21
Opel	Astra H	2004-2005	12
Opel	Astra H	2004-2014	20
Opel	Astra H	2004-2016	21
Opel	Astra H Caravan	2004-2016	21

MAKE	MODEL	YEARS	NO.
Opel	Astra H GTC	2005-2016	21
Opel	Astra H Sport Hatch	2005-2010	20
Opel	Astra H Stufenheck	2007-2016	21
Opel	Astra H Twintop	2005-2010	20
Opel	Astra H Twintop	2005-2016	21
Opel	Astra H Van	2004-2016	21
Opel	Astra Van	2004-2010	21
Opel	Astra Van F	1991-1998	12
Opel	Astra Van G	1998-2004	12
Opel	Calibra	1989-1998	12
Opel	Combo	1994-2001	21
Opel	Combo Corsa B	1992-2001	12
Opel	Combo Corsa C	2001-2004	12
Opel	Combo Tour	2001-2011	21
Opel	Corsa	2006-2017	20
Opel	Corsa	2006-2013	21
Opel	Corsa A	1982-1993	12
Opel	Corsa B	1993-2000	12
Opel	Corsa B	1993-2016	21
Opel	Corsa C	2000-2006	12
Opel	Corsa C	2000-2016	21
Opel	Corsa D	2007-2011	21
Opel	Corsa Van	2006-2010	21
Opel	Corsa Van A	1982-1994	12
Opel	Corsa Van B	1994-2001	12
Opel	Corsa Van C	2000-2003	12
Opel	Frontera	1992-1998	21
Opel	Frontera A	1991-1998	12
Opel	Kadett 0	1979-1984	12
Opel	Kadett E	1984-1992	12
Opel	Kadett E	1984-1993	21
Opel	Kadett Van E	1984-1992	12
Opel	Manta A	1974-1975	12
Opel	Manta B	1975-1988	12
Opel	Meriva	2003-2005	12
Opel	Meriva	2006-2010	21
Opel	Meriva	2003-2010	21
Opel	Monza	1981-1987	12
Opel	Omega A	1986-1994	12
Opel	Omega A	1986-1994	21
Opel	Omega B	1994-2003	12
Opel	Omega B	1994-2003	21
Opel	Senator	1987-1993	21
Opel	Senator A	1981-1987	12
Opel	Senator B	1987-1993	12
Opel	Signum	2003-2008	20
Opel	Signum	2003-2008	21
Opel	Tigra A	1994-2001	12
Opel	Tigra B	2004	12
Opel	Vectra	2002-2008	21
Opel	Vectra	1988-1995	21
Opel	Vectra A	1988-1995	12
Opel	Vectra B	1995-2003	12
Opel	Vectra C	2002-2009	20
Opel	Vectra C GTS	2002-2016	20
Opel	Zafira	2005	21
Opel	Zafira A	1999-2005	12
Opel	Zafira A	1999-2005	21
Opel	Zafira B	2005-2016	20
Opel	Zafira B	2005-2011	21
Opel	Zafira Van	2002-2003	12
Opel	Zafira Van	2005	21
Peugeot	206	1999-	7
Peugeot	307	2004-	7

MAKE	MODEL	YEARS	NO.
Peugeot	406	1999-	7
Peugeot	407	2004-	7
Peugeot	807	2004-	7
Peugeot	205II	1987-1998	2
Peugeot	Boxer Box-230L	1994-2002	7
Peugeot	Boxer Bus-230P	1994-2002	7
Peugeot	Boxer Platform-ZCT	1994-2002	7
Plymouth	Colt	1984-1991	4
Plymouth	Laser	1993-1994	4
Pontiac	Bonneville	1990-	3
Pontiac	G3	2009-2010	6
Pontiac	G5	2007	21
Pontiac	G6	2006	21
Pontiac	Grand Am	1999-2005	6
Pontiac	Grand Am	1999-2005	21
Pontiac	Grand Prix	-2003	3
Pontiac	Grand Prix	2005-2006	21
Pontiac	Le Mans	1988-1993	6
Pontiac	Pursuit	2005-2006	21
Pontiac	Solstice	2006-2007	21
Pontiac	Sunfire	1999-2005	6
Pontiac	Sunfire	2005	21
Pontiac	Wave	2005	6
Pontiac	Wave 5	2005	6
Porsche	911	1999-	6
Porsche	924	1980-1982	11
Porsche	968	1991-1995	2
Porsche	Boxster	1997-1997	11
Porsche	Boxter	1997-	6
Porsche	Cayenne		9
Proton	Impian Waja	2001-2017	3
Renault	19	1992-2001	7
Renault	21	1986-1994	7
Renault	25	1984-1993	7
Renault	All	1985-1987	7
Renault	Avantime	2002-	7
Renault	Escpace	2002-	7
Renault	Espace	1991-1996	7
Renault	Super5	1984-1996	7
Renault	Trafic	1980-1989	7
Renault	Twingo	1993-2016	7
Saab	900	1994-1998	6
Saab	900	1978-1994	7
Saab	9000	1986-1998	7
Saab	900 II	1993-1998	12
Saab	9-3	1998-2003	6
Saab	9-3	2002-2015	20
Saab	9-3	2003-2012	21
Saab	9-3 Cabriolet	1998-2003	6
Saab	9-3 Sport	2002-2012	21
Saab	9-3 X	2009-2012	21
Saab	9-3X	2010-2011	20
Saab	9-5	1997-2011	6
Saab	9-7 X	2007	21
Saturn	Aura	2007	21
Saturn	Ion 2	2003-2007	21
Saturn	Ion 3	2003-2007	21
Saturn	Ion I	2003-2005	21
Saturn	L100	2001-2002	6
Saturn	L200	2001-2003	6
Saturn	L300	2001-2005	6
Saturn	L300-1	2004	6
Saturn	L300-2	2004	6
Saturn	L300-3	2004	6

MAKE	MODEL	YEARS	NO.
Saturn	LS	2000	6
Saturn	LS1	2000	6
Saturn	LS2	2000	6
Saturn	LW1	2000	6
Saturn	LW2	2000	6
Saturn	LW200	2001-2003	6
Saturn	LW300	2001-2003	6
Saturn	Outlook	20078	21
Saturn	SC1	1996-2002	6
Saturn	SC2	1996-2002	6
Saturn	Sky	2007	21
Saturn	SL	1996-2002	6
Saturn	SL1	1996-2002	6
Saturn	Vue	2002	6
Saturn	Vue	2005-2007	21
Scion	tC	2011-2012	19
Scion	xB	2008-2012	19
Seat	Alhambra	1996-2010	8
Seat	Altea-5P1	2004	9
Seat	Arosa	1997-2004	8
Seat	Cordoba Vario	1996-2002	8
Seat	Cordoba-6K2	1999-2002	9
Seat	Cordoba-6L2	2002-2009	9
Seat	Ibiza III-6K1	1999-2002	9
Seat	Ibiza IV-6L1	2002-2009	9
Seat	Ibiza MK III	1999-2002	8
Seat	Ibiza MK IV	2002-2009	8
Seat	Inca	1995-2003	8
Seat	Leon	2005-2012	8
Seat	Leon-1M1	1999-2006	9
Seat	Toledo	1998-2006	8
Skoda	Fabia	1999-2008	8
Skoda	Fabia	2006	9
Skoda	Fabia 6Y2	1992-2008	9
Skoda	Fabia Combi	2007	9
Skoda	Fabia Combi-6Y5	2000-2007	9
Skoda	Fabia Praktik	2001-2007	9
Skoda	Fabia Saloon-6Y3	1999-2007	9
Skoda	Favorit	1989-1995	12
Skoda	Favorit Forman	1993-1995	12
Skoda	Felicia-6UI	1994-2000	12
Skoda	Felicial Fun	1997-2002	6
Skoda	Felicial I	1998-2001	6
Skoda	Laura-1Z3	2004	9
Skoda	Octavia	1998-2010	8
Skoda	Octavia 1U2	1996-2010	9
Skoda	Octavia Combi-1U5	1998-2010	9
Skoda	Octavia Combi-1Z5	2004	9
Skoda	Roomster	2006-2010	6
Skoda	Roomster-5J	2006	9
Skoda	Superb Estate 3T5	2009	9
Ssangyong			12
Sterling	All	1987-1991	7
Subaru	Baja	2004-2005	4
Subaru	Brat	1983-1987	4
Subaru	DL	1983-1989	4
Subaru	Forester	2008-2017	3
Subaru	Forester	1999-2011	4
Subaru	GL	1983-1989	4
Subaru	GL-10	1985-1989	4
Subaru	Impreza	2008-2017	3
Subaru	Impreza	1993-2001	4
Subaru	Justy	1993-1993	4
Subaru	Legacy	1990-2011	4

MAKE	MODEL	YEARS	NO.
Subaru	Liberty IV	2003-2017	3
Subaru	Liberty IV	2003-2017	4
Subaru	Liberty Outback	2000-2003	4
Subaru	Loyale	1990-1992	4
Subaru	Outback	2000-2017	4
Subaru	RX	1986	4
Subaru	SVX	1994-1997	4
Subaru	XT	1985-1991	4
Subaru	Alto	2009-2017	4
Suzuki	Baleno	1995-2002	4
Suzuki	Carry	2000-2017	4
Suzuki	Equator	2009-2011	4
Suzuki	Forenza	2004-2008	6
Suzuki	Grand Vitarall	2005-2015	4
Suzuki	Jimny	1998-2017	4
Suzuki	Kizashi	2010-2017	4
Suzuki	Liana	2002-2017	4
Suzuki	Reno	2005-2008	6
Suzuki	Samurai	1986	4
Suzuki	Sidekick	1989-1991	4
Suzuki	SuperCarry	1985-1999	3
Suzuki	Swif tll	1989-2001	3
Suzuki	Swift	1990-1994	4
Suzuki	Swift III	2005-2017	4
Suzuki	Swift+	2004	6
Suzuki	SX4	2006-2017	4
Suzuki	Verona	2004-2005	6
Suzuki	Vitara	1994-1998	4
Suzuki	Wagon R+	1998-2000	4
Suzuki	XL-7	2004-2006	4
Suzuki	XL-7	2007	21
Toyota	4Runner	1990-1995	3
Toyota	4Runner	1986-1995	4
Toyota	Aurion	2006-2011	4
Toyota	Avalon	1995-2004	4
Toyota	Avalon	2013-2015	19
Toyota	Avensis Verso	2001-2009	4
Toyota	Camry	2002-2006	3
Toyota	Camry	1983-1991	4
Toyota	Camry	2006-2011	4
Toyota	Camry	2013-2015	19
Toyota	Camry 4cyl	1994-1999	4
Toyota	Celica	1983-1989	4
Toyota	Celica	2000-2005	19
Toyota	Coaster	1993-2003	4
Toyota	Corolla	1983-1992	4
Toyota	Corolla	2001-2007	4
Toyota	Corolla Liftback	1992-1994	3
Toyota	Cressida	1985-1992	4
Toyota	Echo	1999-2005	4
Toyota	Hiace	1995-2005	3
Toyota	Hiace	2006-2014	19
Toyota	HiAce III	1996-2004	3
Toyota	Hilux	2005-2017	4
Toyota	Hilux II	1988-1997	3
Toyota	Hilux VII	2005-2017	4
Toyota	Kluger	2003-2007	4
Toyota	Land Cruiser	1990-2016	3
Toyota	Land Cruiser	1993-2007	4
Toyota	Land Cruiser 100	1998-2007	3
Toyota	Land Cruiser 200	2007-2017	3
Toyota	Land Cruiser Prado	2010-2017	4
Toyota	MR2	1989-1995	4
Toyota	MR2 Spyder	2000-2005	19

MAKE	MODEL	YEARS	NO.
Toyota	MR2Spyder	2000-2005	19
Toyota	Previa	1991-1997	4
Toyota	Prius	2010-2012	19
Toyota	Prius C	2013-2013	19
Toyota	Prius V	2012-2012	19
Toyota	RAV4	2006-2012	19
Toyota	RAV4I	1994-2000	4
Toyota	RAV4II	2003-2005	4
Toyota	RAV4III	2005-2017	4
Toyota	Sienna	1998-2006	4
Toyota	Solara	1999-2008	4
Toyota	Starlet	1983-1984	4
Toyota	Supra	1987-1990	4
Toyota	Supra	1993-2002	4
Toyota	T100	1995-1998	4
Toyota	Tacoma	1996-2004	4
Toyota	Tarago III	2005-2017	4
Toyota	Tercel	1983-1990	4
Toyota	Yaris	2005-2017	4
Vauxhall	Astra	2004-2010	20
Vauxhall	Astra	2004-2011	21
Vauxhall	Astra Cabrio	2006-2011	21
Vauxhall	Astra Cabrio III	1991-2001	12
Vauxhall	Astra Cabrio IV	2001-2007	12
Vauxhall	Astra Coupe	2005-2008	21
Vauxhall	Astra GTC	2004-2011	21
Vauxhall	Astra I	1979-1984	12
Vauxhall	Astra II	1984-1991	12
Vauxhall	Astra III	1991-1998	12
Vauxhall	Astra IV	1998-2005	12
Vauxhall	Astra Twintop	2005-2010	21
Vauxhall	Astra Van III	1991-1996	12
Vauxhall	Astra Van IV	1998-2005	12
Vauxhall	AstraMax	1985-1991	12
Vauxhall	Astravan	1998-2016	20
Vauxhall	Astravan	2005-2017	21
Vauxhall	Astravan I	1982-1984	12
Vauxhall	Astravan II	1984-1991	12
Vauxhall	Belmont	1986-1991	12
Vauxhall	Calalier II	1981-1988	12
Vauxhall	Calibra	1990-1998	12
Vauxhall	Carlton	1983-1994	12
Vauxhall	Cavalier III	1988-1995	12
Vauxhall	Combo	1993-2004	12
Vauxhall	Combo	2005-2011	21
Vauxhall	Combo Crew Van	2001-2006	12
Vauxhall	Corsa	2006-2014	20
Vauxhall	Corsa	2006-2012	21
Vauxhall	Corsa 1	1993-2000	12
Vauxhall	Corsa II	2000-2006	12
Vauxhall	Corsa Van I	1993-2001	12
Vauxhall	Corsa Van II	2001-2006	12
Vauxhall	Frontera A	1991-1998	12
Vauxhall	Meriva	1982-1993	12
Vauxhall	Meriva	2006-2010	21
Vauxhall	Nova	1982-1993	12
Vauxhall	Nova Van	1990-1993	12
Vauxhall	Omega	1994-2003	12
Vauxhall	Senator	1987-1993	12
Vauxhall	Signum	2003-2008	20
Vauxhall	Signum	2003-2008	21
Vauxhall	Tigra	1994-2004	12
Vauxhall	Vectra	2002-2008	20
Vauxhall	Vectra	2002-2008	21

MAKE	MODEL	YEARS	NO.
Vauxhall	Vectra I	1999-2005	12
Vauxhall	Zafira	2005-2014	20
Vauxhall	Zafira	2005-2013	21
Vauxhall	Zafira A	1999-2005	12
Vauxhall	Zafira B	2005-2007	12
Volvo	850	1992-1994	7
Volvo	C30	2006-2012	15
Volvo	C70	2005-2013	15
Volvo	C70 11 Convertible	2006	15
Volvo	S40	2004-2012	15
Volvo	S40 11 MS	2004	15
Volvo	S60	2010-2017	15
Volvo	S60 11	2010	15
Volvo	S80	2006-2017	15
Volvo	S80 11 AS	2006	15
Volvo	V40	2012-2017	15
Volvo	V40 Cross Country	2012	15
Volvo	V40 Hatchback	2012	15
Volvo	V50	2003-2012	15
Volvo	V50 NW	2004	15
Volvo	V60	2010-2017	15
Volvo	V70	2007-2017	15
Volvo	V70 III Estate	2007	15
Volvo	XC60	2008-2017	15
Volvo	XC70	2007-2017	15
Volvo	XC70 Cross Country	2007-2011	15
Volvo	XC70 II	2007	15
Volvo			7
VW	5		8
VW	Beetle		8
VW	Beetle	1998-2012	9
VW	Bora	1998-2005	8
VW	Cabrio	1995-2002	8
VW	Cabriolet	1985-1993	11
VW	Caddy	1995-2004	8
VW	Caddy	2001-2016	9
VW	Caddy III Box-2KA, 2KH, 2CA, 2CH	2004	9
VW	Caddy III Estate-2KB, 2KJ, 2CB, 2CJ	2004	9
VW	CC	2009-2013	9
VW	Corrado	1990-1994	8
VW	Crafter 30-35	2006-2017	9
VW	Crafter 30-35 Bus 2E	2006	9
VW	Crafter 30-50 Box 2E	2006	9
VW	Crafter 30-50 Platform 2F, EOS	2007-2012	9
VW	Dasher	1979-1981	11
VW	EOS	2006-2015	9
VW	EOS-1F7, 1F8	2006	9
VW	EuroVan	1993-2003	8
VW	Fox	2005-2017	9
VW	Fox	1987-1993	11
VW	Fox-5Z1, 5Z3	2003	9
VW	Gold	1983-1992	11
VW	Golf	1990-1999	8
VW	Golf	1999-2012	9
VW	Golf	1985-1990	11
VW	Golf (Female)	1900-1998	8
VW	Golf MK III	1991-2002	8
VW	Golf MK V	2003-2008	8
VW	Golf MK V Hatchback	2003-2008	9

MAKE	MODEL	YEARS	NO.
VW	Golf MK VI Convertible	2008-2017	9
VW	Golf MK VI Estate	2008-2017	9
VW	Golf Plus	2005-2013	8
VW	Golf Plus	2005-2013	9
VW	Golf Plus-5M1, 521	2005	9
VW	Golf V Variant 1K5	2007	9
VW	Golf V-1K1	2003-2009	9
VW	GTI	2006-2013	9
VW	Jetta	1990-1999	8
VW	Jetta	1997-2012	9
VW	Jetta	1980-1990	11
VW	Jetta 1 Saloon-1K2	2005-2010	9
VW	Jetta MK III	2005-2011	9
VW	Jetta ML IV	2010-2017	9
VW	LT	1996-2006	8
VW	LT 28-35 II Bus-2DM	1996-2006	9
VW	LT 28-46 II Box-2DX0AE	1996-2006	9
VW	LT 28-46 II Platform 2DX0FE	1996-2006	9
VW	Lupo	1998-2005	8
VW	Male Thread	1975-1993	11
VW	Multivan Mk V-7HM, 7HN, 7EF, 7EM, 7EN	2003	9
VW	New Beetle	1998-2010	8
VW	New Beetle	1998-2010	9
VW	New Beetle Convertible-1Y7	2002-2010	9
VW	New Beetle-9C1, 1C1	1998	9
VW	Passat	1990-2001	8
VW	Passat	1998-2014	9
VW	Passat 3C2	2005	9
VW	Passat CC	2008-2012	9
VW	Passat Variant 3B6	2000-2005	9
VW	Passat Variant 3C5	2005	9
VW	Passat-3B3	2000-2005	9
VW	Polo	1995-2009	8
VW	Polo 6R_	2009-2010	9
VW	Polo 6R6C	2010-2017	9
VW	Polo 9N	2001	9
VW	Polo 9N_	2001-2009	9
VW	Polo Saloon	2002	9
VW	Quantum	1980-1988	11
VW	R32	2008	9
VW	Rabbit	2006-2009	9
VW	Rabbit	1975-1984	11
VW	Rabbit Convertible	1980-1984	11
VW	Rabbit Pickup	1980-1983	11
VW	Scirocco	2009-2017	9
VW	Scirocco	1975-1988	11
VW	Sharan	1995-2010	8
VW	T4		8

MAKE	MODEL	YEARS	NO.
VW	Tiguan	2007-2016	6
VW	Tiguan	2009	9
VW	Touareg	2004-2017	9
VW	Touran	2003-2010	9
VW	Touran-1T1, 1T2, 1T3	2003	9
VW	Transporter	1990-2003	8
VW	Transporter	2003-2016	9
VW	Transporter Mk V Box-7HA, 7HH, 7EA, 7EH	2003	9
VW	Transporter Mk V Platform-7JD, 7JE, 7JL, 7JY, 7JZ	2003	9
VW	Transporter/Caravelle	2003-2017	9
VW	Transporter/Caravelle Mk V Bus-7HB, 7HJ, 7EB, 7EJ, 7EF	2003	9
VW	Vento		8
Zastava	YugoFlorida	1988-1995	7



WARRANTY

1 YEAR LIMITED WARRANTY

THIS WARRANTY AND CONFIRMED RECEIPT(S) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

PURCHASED FROM: _____

DATE PURCHASED: _____

INVOICE/RECEIPT NUMBER: _____

Your ATD-3301A is warranted for a period of 12 months from the original purchase date.

ATD/MASTERCOOL Inc.® warrants this product against defects in material and workmanship for a period of one year from date of purchase to original user. This warranty does not cover failure due to abuse, improper usage, neglect or progressive wear and tear.

Warranty service is provided through the factory only. Please contact the service department toll free for parts, service concerns, or to obtain a return authorization number for warranty repair.

For Warranty Service:

TOLL FREE: 1-888-825-6989

EMAIL: techs@mastercool.com

Subject to the law in your state:

- (1) Your sole and exclusive remedy is repair or replacement of the defective product as described above.
- (2) ATD is not liable for any incidental damages, including but not limited to, lost profits and unforeseeable consequences.
- (3) The repair and replacement of this product under the express limited warranty described above is your exclusive remedy and is provided in lieu of all other warranties, express or implied. All other warranties, including implied warranties and warranties of merchantability or fitness for a particular purpose are disclaimed and, if disclaimer is prohibited, these warranties are limited to one year from your date of purchase of this product.

Some states' laws do not allow limited durations on certain implied warranties and some states' laws do not allow limitations on incidental or consequential damages. You should consult the law in your state to determine how your rights may vary.

[Affix receipt or invoice here for safe keeping]