DURA-LITE™

EVOLUTION® CHARGE AIR COOLERS

WHY IS A CHARGE AIR COOLER SO INTEGRAL TO THE PERFORMANCE OF YOUR ENGINE? MORE POWER. LESS FUEL.

A Charge Air Cooler takes hot air from the turbo and cools it. This lowered intake air temperature increases the output of the engine and engine efficiency. Quite simply, less fuel for more power. A Charge Air Cooler can not only increase your output and fuel savings, but it can also prolong the life of your engine.



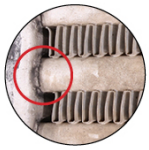
THE DURA-LITE™ DIFFERENCE
Patented High Temperature Silicone Grommet Tube-To-Header Seal System

7 YEAR, MILLION MILE GUARANTEE

DURA-LITE™ EVOLUTION® WARRANTY

- 7 Year/ 1,000,000 Mile Warranty on most Charge Air Coolers.
- North American Wide Warranty Coverage.
- Less than 1% warranty return.

STAY OUT OF THE SHOP, STAY ON THE ROAD WITH THE MOST RELIABLE CHARGE AIR COOLER IN THE WORLD.



TYPICAL CHARGE AIR COOLER
Thermal Fatigue Failure From Expansion and Contraction

MORE POWER. LESS FUEL.

duralite.net

Charge Air Cooler Test Kit

DURA-LITE™
Charge Air Coolers · Radiators



Part Number: **DHT TESTKIT** (for all makes and models)

THE ONLY WAY TO DETERMINE IF A CHARGE AIR COOLER IS LEAKING, IS TO DO A PRESSURE TEST.

ASK THE SERVICE DEPARTMENT TO TEST YOUR CHARGE AIR COOLER TODAY!

Instructions for using Dura Lite's Ch

Dura-Lite Heat Transfer Products Ltd.



Watch on

VISIT MANUFACTURER'S WEBSITE (USA DEALERS) (https://www.duralite.net/)

VISIT MANUFACTURER'S WEBSITE (CANADA DEALERS) (https://can.duralite.net/)

Product Outline PowerPoint

Dura-Lite PowerPoint Presentation

Product Highlights

Flexible tube to header joint

OEM and other aftermarket coolers often crack at the rigid tube to header joint. Dura-Lite has replaced this rigid joint with our Patented High Temperature Silicone Grommet Tube-To-Header Seal System.
This provides a long, leak free Charge Air Cooler life.

Continuous, consistent fuel economy

Engineered for performance, economy, and durability (longevity).
EPA certified (where required).

Thoroughly tested

Dyno tested to assure the highest performance.
Each cooler is pressurized and tested under water to assure it is 100% leak free before leaving the factory.

Tanks are reinforced to reduce premature failures

Superior quality and the best warranty in the industry reduce downtime.

Top Movers - Evolution Charge Air Coolers

DTNA Part #	Description	Make, Model, Year
DHT FR2C	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER CENTURY 1998-2006, CLASSIC 1990-2009, CLASSIC-XL 1990-2009, COLUMBIA 1994-2008, CONVENTIONAL 1990-2006, FL 120 1998-2001, FL 1998-2001, FLC 112 1997-2000, FLC 120 1997-2000, FLC 1997-2000, FLD 112 1990-2006, FLD 120 1990-2006, FLD 132 1990-2006, FLD 1990-2006 and XL 1990-2009
DHT WS35J	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER 114SD 2012-2018, 122SD 2012-2018, CASCADIA 2008-2019 and CORONADO 2008-2019 WESTERN STAR 4900 2008-2020, 4900EX 2008-2020, 4900FA 2008-2020, 4900SA 2008-2020, 4900SB 2008-2020 and 5700XE 2016-2018
DHT WS35E	Evolution® Charge Air Cooler (7 Year Warranty)	WESTERN STAR 4800 2004-2007, 4800FX 2000-2005, 4900 2000-2016, 4900E 2004-2012, 4900EX 2001-2016, 4900FA 2000-2015, 4900FX 2004-2007, 4900SA 2004-2014 and 4964 2002-2007
DHT FR5Q	Evolution® Charge Air Cooler (7 Year Warranty)	FORD (STERLING) 9000 2004-2007, 9500 2004-2007, A9000 2004-2007, A9500 SERIES 2004-2007, AT9500 2004-2007, L9500 2004-2007 and LT9500 SERIES 2004-2007, FREIGHTLINER CENTURY 120 1996-2007, CENTURY 1996-2007, CLASSIC 1996-2007, CLASSIC XL 2000-2007, COLUMBIA 1996-2007, CONVENTIONAL 1999-2007, CORONADO 2004-2011, FL 112 1996-2007, FL 1996-2007, FLC 112 1996-2007, FLC 120 1996-2007, FLC 1997-2007, FLD SERIES 2002-2011, M2 106 1996-2007 and M2 1996-2007, WESTERN STAR 4900SA 2004
DHT FR3J	Evolution® Charge Air Cooler (7 Year Warranty)	FORD (STERLING) 9500 2008-2010, A9500 2008-2010, AT9500 2008-2010, L9500 2008-2010 and LT9500 2008-2010, FREIGHTLINER 114SD 2012-2018, 120SD 2008-2009, 125SLP 2010-2014, CA125SLP 2010-2014, CASCADIA 2008-2018, CENTURY 2009-2011, CLASSIC 2008-2010, COLUMBIA 2009-2011, FLD 120 2008-2009, FLD 120SD 2008-2009, FLD 132 2008-2009, FLD 2008-2009, M2 112 2008-2017 and M2 2008-2017, WESTERN STAR 4700 2012-2018 and 5700XE 2016-2018
DHT FR3D	Evolution® Charge Air Cooler (7 Year Warranty)	FORD (STERLING) 9500 2004-2007, AT9500 2004-2007, L7500 2005-2006, LT7500 2005-2006, LT8500 2005-2006 and LT9500 2005-2006, FREIGHTLINER CENTURY 2002-2008, CLASSIC 2002-2007, COLUMBIA 2002-2008, CONVENTIONAL 2002-2007, FLD 120 2002-2007, FLD 2002-2007, M2 106 2002-2008, M2 112 2002-2008, M2 2002-2008 and SCHOOL BUS 2005-2006, THOMAS BUS FS 65 2005-2006
DHT WS35C	Evolution® Charge Air Cooler (7 Year Warranty)	WESTERN STAR 4900 1995-2004, 4900E 1995-2004, 4900EX 2000-2004, 4900FA 2000-2004, 4900SA 2000-2004, 4964 1988-2004, 4964EX 1988-2004, 4964S 1988-2004, 4964SX 1988-2004, 5900 1995-2001, 5964 1998-1999, 6900 1995-2004, 6900XD 1995-2004 and CONVENTIONAL 1998-2005
DHT FR3M	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER M2 106 2008-2019, M2 2008-2019, M2 MM 106 2008-2019, M2 MM 2008-2019, N60 2010-2016 and N65 2010-2016
DHT FR5V	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER C324T 2003-2007, CLASSIC 2004-2005, COLUMBIA 120 2004-2018, COLUMBIA 2004-2018 and CORONADO 2000-2017
DHT FR5D	Evolution® Charge Air Cooler (7 Year Warranty)	FORD (STERLING) 5500 1997-2007, 6500 1997-2007, 7500 1997-2007, 8500 1997-2007, ACTERRA 1997-2007, ACTERRA 5500 1997-2007, ACTERRA 6500 1997-2007, ACTERRA 7500 1997-2007 and ACTERRA 8500 1997-2007, FREIGHTLINER FL 106 1997-2007, FL 112 1997-2007 FL 1997-2007, FL 50 1997-2007, FL 60 1997-2007, FL 70 1997-70-2007 and FL 80 1997-2007
DHT FR3S	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER CASCADIA 2017-2021, CASCADIA EVOLUTION 2017-2021 and EVOLUTION 2017-2021
DHT FR3F	Evolution® Charge Air Cooler (7 Year Warranty)	FORD (STERLING) 9500 2007-2010, A9500 2008-2010, AT9500 2008-2010, L9500 2007-2010 and LT9500 2007-2010, FREIGHTLINER CASCADIA 125 2008-2014, CASCADIA 2008-2014, CENTURY 2008-2011, CLASSIC 2008-2010, CLASSIC XL 2008-2010, COLUMBIA 120 2008-2014, COLUMBIA 2008-2014, CONVENTIONAL 2008-2009, FLD 120 2008-2009, FLD 120SD 2008-2009, FLD 132 2008-2009, FLD 2008-2009, M2 112 2008-2012 and M2 2008-2012
DHT FR3H	Evolution® Charge Air Cooler (7 Year Warranty)	FREIGHTLINER CASCADIA 2010-2018 and CORONADO 2008-2017, WESTERN STAR 4700 2012-2018, 4700SB 2012-2018, 4700SF 2012-2018, 4800 2012-2018, 4800SB 2012-2018, 4800SF 2012-2018, 4900 2008-2018, 4900EX 2008-2018, 4900FA 2008-2018, 4900SA 2008-2018, 4964 2008-2010, 5700 2016-2018 and 5700XE 2016-2018
DHT PE20BA	Evolution® Charge Air Cooler (7 Year Warranty)	PETERBILT 357 1996-2007, 359 SERIES 1984-2000, 367 2005, 377 SERIES 1986-2000, 378 1994-2007, 379 1995-2012, 379EX 1995-2012, 379EXH 1995-2012, 379EXHD 1995-2012, 379L 1995-2012, 379X 1995-2012, 385 1999-2006, 386 2005-2007, 387 1999-2007 and 389 2006-2021
DHT PE20K	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH W900 2008-2013 and W900B 2008-2014, PETERBILT 377 2007, 378 2007-2013, 379-2013, 384 2007, 385 2007, 387 2007-2013, 388 2007-2015 and 389 2007-2022
DHT PE20F	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH T800 2007-2023, T800B 2009-2010 and W900 2009, PETERBILT 365 2007-2012, 367 2007-2015, 387 2011 and 567 2015-2022
DHT KE12BA	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH T600 1988-2007, T800 1989-2007, T800B 1994-2007, W900 1991-2007, W900B 1991-2007 and W900L 1991-2007
DHT VG30T	Evolution® Charge Air Cooler (7 Year Warranty)	MACK 613 2007-2017, CHU 2008-2017, CX 2012-2014, CX613 2012-2014, CXU SERIES 2007-2017, CXV 2008-2013 and CXV613 2008-2013, VOLVO 42T 2004-2018, 630 2004-2018, 64T SERIES 2004-2018, 670 2004-2018, 730 2004-2018, 780 2004-2018, 880 2006-2014, T630 2007-2013, VHD 2007-2010, VHD104F 2007-2010, VISION 2009-2012, VN SERIES 2007-2017, VNL SERIES 2004-2018 and VT SERIES 2006-2014
DHT KE12D	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH T660 2007-2015, T800 2007-2015, W900 2008-2022 and W900L 2008-2022
DHT MA18Y	Evolution® Charge Air Cooler (7 Year Warranty)	MACK 613 2008-2017, 712 2008-2017, 713 2008-2017, 813 2008-2017, ANTHEM 2018-2023, CHU 2008-2017, CHU613 2008-2017, CXU 2013-2016, GRANITE 2008-2017, GU 2008-2017, GU712 2008-2017, GU713 2008-2017 and GU813 2008-2017, VOLVO VAH 2017-2018, VHD 2008-2017, VHD104F 2007-2010, VN 2013-2016 and VNL 2018-2020
DHT PE20J	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH T2000 2008-2015, T680 2012-2019 and T880 2013-2019, PETERBILT 367 2008-2015, 387 2008-2015, 579 2012-2019 and 587 2012-2019
DHT KE10B	Evolution® Charge Air Cooler (7 Year Warranty)	KENWORTH C500 1993-2007, T600 1993-2007, T600A 1994-2005, T800 1990-2007, T800B 1987-2004, W900 1990-2007, W900B 1995-2001 and W900L 1992-1997
DHT KE13K	Evolution® Charge Air Cooler (2 Year Warranty)	KENWORTH C500 2009-2015, T800 2008-2021 and T800HH 2008-2021
DHT TESTKIT	Charge Air Cooler Test Kit (1 Year Warranty)	

From day one, Dura-Lite™ has been committed to solving the Charge Air Cooler durability problems vehicle owner/ operators face. When Dura-Lite™ started on this project, we knew that we had to engineer a Charge Air Cooler that met the required OE engine performance specifications. We also knew we had to produce a Charge Air Cooler which would last - not for months or a couple of years, but for many years! This commitment to Quality and Excellence placed Dura-Lite™ in a unique position. While other Charge Air Cooler manufacturers were attempting to improve upon the typical Charge Air Cooler thermal fatigue failure (OE design), Dura-Lite™ took another approach.

Dura-Lite™ engineered a Charge Air Cooler incorporating our Patented Silicone Grommet Tube-to-Header Seal System in place of the traditional brazed/ welded tube to header joint. The silicone grommets allow for free thermal expansion while maintaining a leak free seal. This free thermal expansion eliminates the stress and premature failures associated with a restrained brazed/ welded tube to header joint. Strain tests, thermal cycle tests, dynamometer tests, durability tests at elevated temperatures, and field tests were conducted. Dura-Lite™ coolers produced outstanding results and confirmed that our engineers had, indeed, found the solution to eliminating premature Charge Air Cooler failure.

Warranty Information

- 7 Year Million Mile Warranty (On most part numbers)
- North American Warranty Coverage
- Less than 1% warranty return

DURA-LITE PRODUCT REGISTRATION (https://www.duralite.net/pages/product-registration)

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