



EADPF for TRUs

RETROFIT ■ TRU COMPLIANCE



Install the Electrically Assisted Diesel Particulate Filter (EADPF) for straight truck bobtail TRUs (<23hp) on your Carrier™ or Thermo King™

Retrofit your engine with the EADPF that's designed to meet CARB requirements for diesel powered Transport Refrigeration Units (TRUs) that are at least 7 years old and operate in California. Note: fines for noncompliance are \$1,000-\$10,000 **per TRU**, and trucks with noncompliant TRUs **cannot renew their truck license**.

Owners and operators have several options to comply with the regulation

- Replace old engines with a new certified engine that meets CARB ULETRU standards

From TRU model year 2008 and on, there is no CARB-approved engine replacement available.

- Retrofit the engine with a verified Level 3 Diesel Particulate Filter (also known as a Verified Diesel Emission Control Strategy, or VDECS)

The EADPF is designed to meet Level 3 VDECS requirements.

- Replace 7 year old TRU unit with a new TRU.

Benefits

- CARB verified for straight truck bobtail TRU <23hp
- Cost-competitive compared to new TRUs
- Compact installation: EADPF replaces muffler
- Electric heater assists filter cleaning in all operating modes
- Data logger records filter back pressure and exhaust temperature as required by CARB
- Status light in cab notifies driver if service is needed
- Warranty 3 years or 1,600 hours (whichever occurs first)

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How does it work?

The EADPF collects engine soot (PM), then regenerates (cleans) itself automatically when the TRU is operated with heavy loads. *Start-Stop operation is better for keeping the filter clean than continuous operation.* Whenever the TRU is operated on lighter loads, electrical heat increases exhaust gas temperatures to a level for the catalytic filter to regenerate. The system operates fully automatically and there is no intervention needed from the driver.

The EADPF also includes a data logger that continuously monitors filter operation and records the back pressure and exhaust temperature data as required by CARB. The system monitors the filter and notifies the driver of any possible operation issue with an LED light in the cab.

The EADPF is a user-friendly system that does not require service under normal use. However, during annual maintenance of the TRU, ash may need to be cleaned from the DPF substrate.

THERMO KING MODELS	ENGINE	MODEL YEARS	EADPF #	ADD
MD, TS	TK370	2005-2012	B100	105A ALTERNATOR TK #41-3372 EXHAUST MANIFOLD TK #13-1028 GASKET TK #33-3824 125A ALTERNATOR TK #45-2699 OR CARRIER #20-41-8465
TS, RD	TK376	2005-2012	B100	
T-SERIES	TK370	2009-2012	B200	
T-SERIES	TK376	2009-2012	B200	
SPECTRUM	TK376	2009-2012	B300	
T-SERIES	TK374	2013-2019	B200	
T-SERIES	TK380	2013-2019	B200	
SPECTRUM	TK380	2013-2019	B300	
CARRIER MODELS	ENGINE	MODEL YEARS	EADPF #	ADD
SUPRA 6XX, 7XX, 8XX	CT3-44TV	2010-2019	B400	105A ALTERNATOR CARRIER #30-01114-34 (OR 30-01114-14)
SUPRA 9XX	CT3-69TV	2010-2019	B500	
SUPRA 9XX-MT	CT3-69TV	2010-2019	B500	145A ALTERNATOR DENSO #CTR



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