

Roadranger®

Unit Exchange Program Guide

Featuring U.S. and Canadian program instructions for

Eaton® Fuller® Remanufactured Transmissions

Dana® Spicer® Carriers

Eaton® Fuller® New Exchange Transmissions

Eaton® Fuller® Rebuilt Transmissions (Canada)

Eaton® Fuller® Clutches

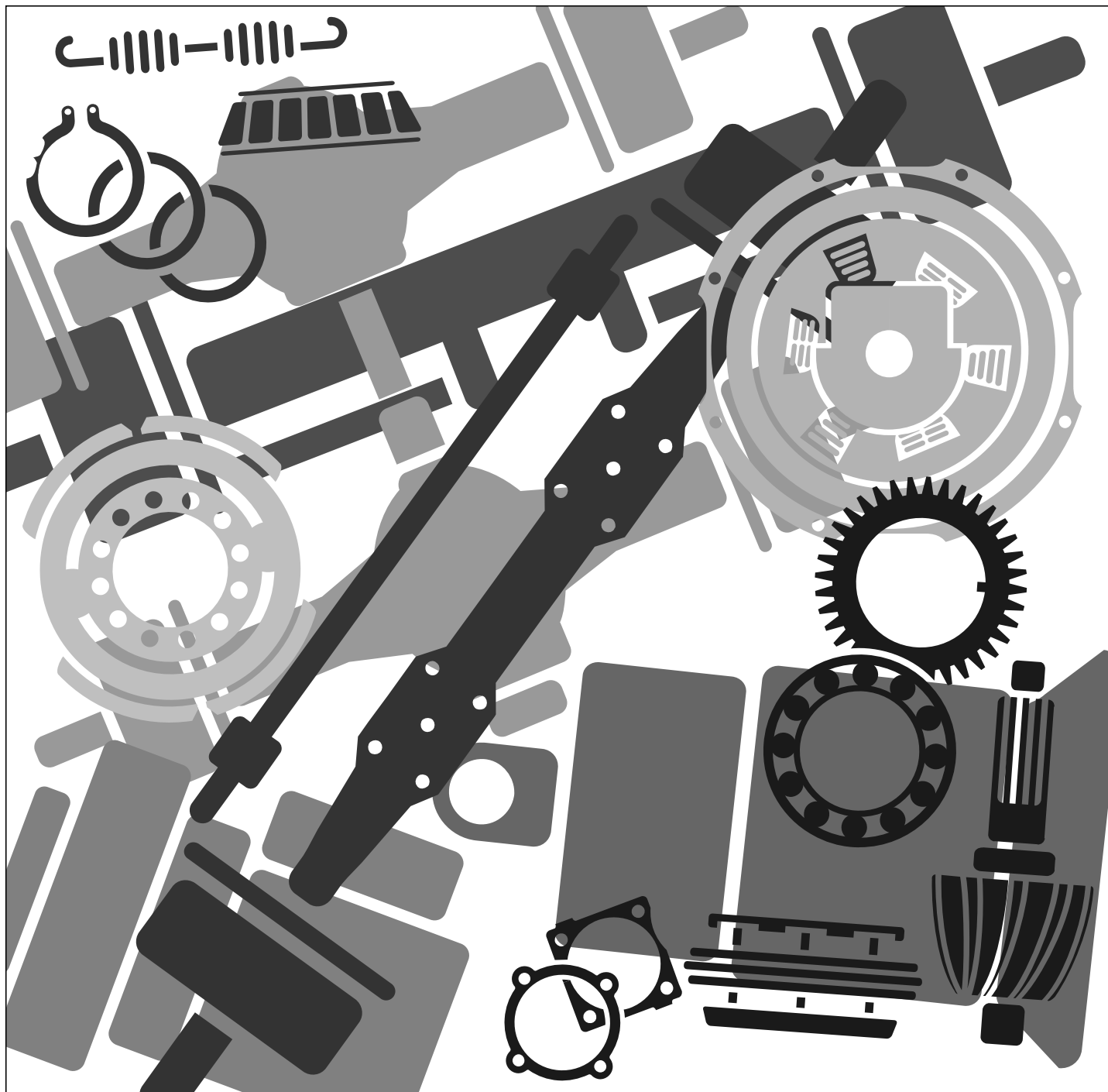


One Great Drivetrain from Two Great Companies



APSL-0419

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For the most current information, visit the Roadranger web site at www.roadranger.com

What's New

Transmission Products:

- ECU core returns.

Axle Products:

Effective July 1, 2004, Dana Spicer eliminated core charges for all axle carriers.

NOTE: This publication supercedes all other Parts Marketing Bulletins relevant to Core & Warranty Return Information.

Including Bulletins:

TPMB-0101 dated 2-22-01

TPMB-0104 dated 7-15-01

and any other "Unit Exchange Program Guide" published prior to 1-1-06.

Check with your OEM to see if they have a return policy that would override the policies in this publication.

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Introduction

About this publication

This guide is your reference for policies, procedures and core values for transmission, clutch and axle products offered as part of the Roadranger Unit Exchange Program in effect at the time of publication. Except where otherwise noted, all information contained in this publication applies equally to Eaton Fuller Transmission models, Eaton Fuller Clutch models, as well as to Dana Spicer axle models. Specific policies and procedures are subject to change without notice at the discretion of Eaton Corporation or Dana Corporation.

Questions concerning subjects not covered in this publication can be referred to Roadranger Call Center in the U.S. and Canada at 1-800-826-4357. In Mexico, call 001-800-826-4357.

Ordering Procedures

All orders for Roadranger unit exchange products should be placed primarily through your OEM.

"Truck down" orders may be placed directly with Eaton or Dana (before 8:00 PM Eastern Standard Time) if inventory is unavailable through your OEM. Distribution centers have been located throughout the United States to expedite your unit delivery.

NOTE: If you place your order by 1 PM EST, your order will be shipped the same day, if unit is available.

1-800-826-HELP (4357)

Phone Prompts:

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Pressing # at any time will return you to previous menu.

In U.S.A:

For Reman Transmission, New Exchange Transmission, and Axles 1-800-826-HELP (4357)

In Canada (until 7 p.m. EST):

All Transmissions and Axles 1-888-507-1500

Clutches 1-905-563-4119

In Mexico: 001-800-826-4357

Please refer to the parts publications shown below for specific model ordering information:

Product	Reference Publication
- Eaton Fuller Reman and Eaton Fuller Transmission Exchange	Item TRMT-0951
- Dana Spicer Carrier	Item AXIP-0070
- Eaton Fuller Rebuilt Transmissions (for Canada)	Item APSL-0011
- Eaton Fuller Clutches	CLFD-1292

Product Modification

Eaton Fuller Transmission –

Product modifications made without express approval by Eaton, other than to install speedometer parts, shift bar housing or an output yoke, may affect warranty coverage – and the facility making the modification can be held responsible.

Eaton Fuller Clutches-

Product modification is not allowed. The complete installation cannot be modified.

Dana Spicer Carrier –

Limited modifications such as side gear changeout are permissible by the selling dealer on Carriers.

Transmission Core Return Procedures

See page 8 for CEEMAT Transmission Core Return Procedures.

General Policies

All cores should be returned freight collect within 12 months of purchase to the designated Eaton core return location. (See map, page 11.)

Warranty units must be returned to the designated location with completed return documentation. (See page 10 for shipping addresses.)

Transmission cores returned must match a unit currently included in the core return list (see pages 5-7).

If possible, return the core with the pallet and/or original container received with the unit, and properly secure the core to the pallet. Damage in shipment due to negligence in packaging will be the responsibility of the dealer.

Ship the core collect to the designated Eaton core return location using an Eaton approved freight carrier identified within the purchased **unit's core return packet**. Use of any freight carrier other than those approved will result in \$100 being deducted from core credit.

Cores will not be accepted if returned in an unusable condition. An unacceptable core will be returned to the dealer freight collect or scrapped. Freight charges for a second core returned to replace an unacceptable core if permitted, are the responsibility of the dealer.

Questions on core credits should be directed to your OEM. Do not call regarding core credits.

The following instructions are necessary to conduct proper evaluation of cores. Steam cleaning, which is recommended by Eaton prior to returning the core, should precede the evaluation to allow a more thorough and accurate inspection.

Transmission Core Evaluation

1. Determine the core model. Transmission cores with mismatched front and auxiliary sections assume the core value of the lesser model.
2. Make a thorough external inspection for visible cracks. Look closely at highly stressed areas around capscrew holes, rear transmission support studs, etc.
3. Verify that the core is complete. Warranty cores do not need to be assembled. Required items include; clutch housing (except new unit exchange), main case and rear case, shift bar housing, and all internal components.

Note: Cores will not be accepted if returned in unusable condition, such as internal or external rust, internal parts missing, or three or more housings cracked.

4. Remove and retain other external equipment and accessories.
5. Complete the core evaluation form for each transmission and attach to the appropriate transmission assembly.
6. Only transmission cores listed on pages 5-7 are acceptable by Eaton for return.
7. All transmissions with a core value are assigned to groups based upon the core value of the units.

Core Groups (Visit www.roadranger.com for updates regarding any core group changes.)

300 1000 1500 2200 3000

With each purchase of a transmission, core eligibility will be applied against a specific core group of equal value to the core charged. The OEM will have 12 months to return a core against credit in any core group.

When the OEM/dealer returns a core, eligibility will be checked against the core group for the value of the core returned. If eligibility exists within that group, core credit will be applied equal to the core value of the unit returned, minus any deductions.

When Eaton Fuller Reman receives a core and the OEM has no core eligibility within the core group of the core returned, Eaton Fuller Reman will hold the core credit for 90 days waiting for a purchase of a transmission with equal core value. If a Reman purchase is made within the 90 days, credit will be issued for the core received without eligibility, against the Reman purchase. After 90 days, cores returned ahead of Reman purchases that have not been used, will become the property of Eaton Corporation and no credit will be given.

Transmission Core Deductions

- One or two broken, cracked or welded housings* \$225
- Failure to completely drain \$100
- Failure to use approved freight carriers \$100 for returned core

**If three or more broken, cracked or welded housings, core is unacceptable. Do not return for credit.*

Transmissions, Clutches and Axle Carrier Warranty

Warranty Coverage

<i>Product</i>	<i>Standard Warranty Coverage</i>
Eaton Fuller Reman Transmissions	One year, unlimited mileage - (no proration), parts and labor, including R & R.
Eaton Fuller Transmission Exchange and Performance Reman Transmissions	18 months, unlimited mileage - (no proration), parts and labor, including R & R.
Eaton Fuller Rebuilt Transmission (Canada) does not include R&R.	One year, unlimited mileage - (no proration), parts and labor,
Eaton Fuller Clutch	One year, unlimited mileage, parts and labor if installed at an authorized OEM dealership (see page 10 for details).
Dana Spicer Carrier	Two years or unlimited miles, whichever comes first (one year or 100,000 miles for the oil seal)- (no proration) parts & labor, including R&R. (The oil seal warranty is expressly conditioned on the installation of a new axle yoke, not included as part of the Carrier, at the time of installation.

Authorized Repair Points - Warranty may be administered by any OEM authorized warranty repair facility.

Exclusions - Subject to the conditions stated herein, Eaton Corporation and Dana Corporation warrants to the original retail purchaser thereof that its products will, when used in a motor truck for on-highway or on/off-highway applications in the United States and Canada and properly installed and assembled on vehicles approved by Eaton or Dana for such purpose, be and remain under normal conditions of use and operation free from failure due to defects in materials and workmanship from the date of delivery to the original retail purchaser.

This warranty covers parts and labor to repair or replace, at Eaton's or Dana's option, the failed Eaton or Dana component. Units installed as replacements under this warranty are warranted only for the remainder of the original warranty period.

This warranty shall not extend to failures or damage due to improper lubrication or operation in excess of original design limitations, failure to follow normal published preventative maintenance guidelines recommended by Eaton Corporation and Dana Corporation, failure to use genuine Eaton or Dana replacement parts, abuse or damage by improper installation, casualty or shipment.

This warranty shall not extend to repairs for noise (including idle rattle), excessive operating temperature, transmission rear seal leakage, nor does it cover failures caused by engine, clutch, driveline, including transmission synchronizer pin breakage, or other truck components or system.

This warranty does not cover failures caused by a worn, damaged or defective part or component mounted to the unit by the dealer or retail purchaser, including without limitation, the transmission end yoke.

Other exclusions may apply to this warranty. For details see Publications TCWY-0600 Warranty Manual and TCWY-0900 Warranty Guide.

All warranty claims shall be made to the OEM and shall be supported by satisfactory evidence in respect of the conditions stated herein. As a condition precedent to the allowance of such claims, the component or assembly involved shall, if requested by Eaton or Dana, be returned prepaid for examination.

Except for the express warranty stated herein, Eaton Corporation and Dana Corporation disclaims all warranties, express or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose. The foregoing is the limit of the liability of Eaton Corporation and Dana Corporation and is the exclusive and sole remedy of the party to whom this warranty is made. Liability on the part of Eaton Corporation and Dana Corporation for damages, expressly including consequential damages is disclaimed.

This warranty may not be changed or modified in any way except in writing by Eaton Corporation or Dana Corporation.

Technical Assistance - Emergency technical assistance for genuine Unit Exchange products is available from your Roadranger service representative. Call toll free at 1-800-826-HELP (4357), 24 hours a day, from anywhere in North America. In Mexico, call 001-800-826-4357.

The seller must provide the purchaser with owner warranty information at the time of the sale. This information is provided among the documentation attached to each purchased unit.

Warranty Repairs

When repairing or replacing Eaton or Dana Remanufactured or Exchange products, please refer to the Roadranger Warranty Manual (TCWY-0600) for detailed instructions. Section 3 – Claim Procedures and Section 4 – Labor Hour Guidelines contain important information about filing claims and labor times allowed for warranty repairs.

After the repair is completed, submit the claim through your regular OEM claim system. Parts and labor will be reimbursed, on approved claims, per predetermined guidelines as agreed by Eaton, Dana and your OEM.

Important Note: Reimbursement on approved claims will be for the cost to repair the unit or the cost to replace it, whichever is **less**. For the specific formula used to make this determination, see the Repair or Replacement Guidelines pages in Section 3 of the Warranty Manual (TCWY-0600).

Claims must be submitted within 90 days of the failure date. Claims must identify the unit serial number and provide a detailed description of the failure.

When replacing complete units, the unit being replaced must be returned with a copy of the OEM warranty claim. The core tag must be clearly marked "WARRANTY" to assure proper core evaluation for warranty consideration.

Claims will not be honored for warranty units which are shipped to the wrong return location or returned without proper identification. (See map in document envelope).

Important Note: For noise complaints or hard shifting issues, the servicing agent must contact a Roadranger field representative at 1-800-826-4357. The Roadranger representative will provide assistance in determining the cause of the problem.

Transmission Core Return Shipping Weights

HEAVY-DUTY MECHANICAL AND SEMI-AUTOMATED MODELS/SERIES	APPROX. CORE WEIGHT (LBS.)
RT-6609, 8609	480
FRLO-14410C-T2, 15410C-T2, 16410C-T2	630
RT-6613	655
T-14607, RT-8709, 8608L, 11609B/P/R, 12609B/P/R, 12709, 13609A, 13609B, 14709H	685
RT-13709	690
FR-9210, 12210, 13210, 14210	695
RT-7608LL	700
FR-15210, 16210, 17210, 18210, RTO-16210C, RT-9710	705
RT-12710, RT-14609B, RT-14709	710
RT-16709B,H, RTOC-16709A	720
RTLO-13610B/T2, 11610B-T2, 12610B/T2	725
RT-6610, RTLO-14610/T2, 15610B-T2, 16610B/T2, 17610B-T2, 18610B-T2	730
RTLO-15710, 16710	735
RTLO-14613B	765
RT-11709MLL, 11909MLL, 14709MLL, 14909A/MLL, 16909ALL	775
RT-13710, RTL-13710B	785
RTLO-14710, RTL-14710B/T2, RT-8908LL, 11908LL, 14908LL, 16908LL, 16909A/T2	790
RT-14715, 14915, 15715, 16915, 14708LL	800
RT-14615, 15615	805
RTLO-12713A, 14713A/T2, 12913A, 14913A	815
RTLO-16713A/T2, 16913A, 18913A/T2, 20913A, RTLO-14618A, 14718B/T2, 16718/T2, 18718B/T2, 14918B, 16918B, 18918B, 20918B, 22918B	820
RTLO-16618A, RTLC-16609E, 11708LL	850
HEAVY-DUTY FULLY AUTOMATED MODELS/SERIES (WITH ELECTRONICS)	APPROX. CORE WEIGHT (LBS.)
RTO-10710-AS2, 10910-AS2, 12710-AS2, 12910-AS2	730
RTO-14710-AS2, 14910-AS2	750
RTO-16710-AS2, 16910-AS2, 18910-AS2	760
RTLO-14918-AS2, 16918-AS2, 18918-AS2, 20918-AS2, 22918-AS2	840

Notes:

- 1) Subtract 20 pounds for units shipped without electronics.
- 2) Add 20 additional pounds to DM models with inertia brake.

Transmission Core Values by Model

Only models listed below are acceptable for return. As models are added to the program, new core values will also be established.

MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)
FR-11210B	1,500	RT-13709H	1,500
FR-12210B	1,500	RT-13710B	1,000
FR-13210B	1,500	RT-14609A	300
FR-14210B	1,500	RT-14615	1,000
FR-15210B	1,500	RT-14709H	1,500
FR-9210	1,500	RT-14710B	1,000
FRF-11210B	1,500	RT-14710B-AS2	1,000
FRF-12210B	1,500	RT-14715	1,000
FRF-13210B	1,500	RT-14910B-AS2	1,000
FRF-14210B	1,500	RT-14915	1,500
FRF-15210B	1,500	RT-15615	1,000
FRF-9210B	1,500	RT-15715	1,000
FRLO-15410C-T2	2,200	RT-6609A	300
FRLO-16410C-T2	2,200	RT-6610	1,000
FRLOF-16410C-T2	2,200	RT-6613	1,000
FRO-11210B	1,500	RT-7608LL	1,000
FRO-11210C	2,200	RT-8608L	300
FRO-12210B	1,500	RT-8609	300
FRO-12210C	2,200	RT-8709B	300
FRO-13210B	1,500	RT-8908LL	300
FRO-13210C	2,200	RT-9710B	1,000
FRO-14210B	1,500	RTA-14710B-AS	1,000
FRO-14210C	2,200	RTAO-10710B-AC	1,000
FRO-15210B	1,500	RTAO-10710B-AS	1,000
FRO-15210C	2,200	RTAO-10710C-AC	1,500
FRO-16210B	1,500	RTAO-10710C-AS	1,500
FRO-16210C	2,200	RTAO-12710B-AC	1,000
FRO-17210C	2,200	RTAO-12710B-AS	1,000
FRO-18210C	2,200	RTAO-12710C-AC	1,500
FROF-11210B	1,500	RTAO-12710C-AS	1,500
FROF-11210C	2,200	RTAO-14710B-AC	1,000
FROF-12210B	1,500	RTAO-14710B-AS	1,000
FROF-12210C	2,200	RTAO-14710C-AC	1,500
FROF-13210B	1,500	RTAO-14710C-AS	1,500
FROF-13210C	2,200	RTAO-16710B-AC	1,000
FROF-14210B	1,500	RTAO-16710B-AS	1,000
FROF-14210C	2,200	RTAO-16710C-AC	1,500
FROF-15210B	1,500	RTAO-16710C-AS	1,500
FROF-15210C	2,200	RTF-11609A	300
FROF-16210B	1,500	RTF-11709H	1,500
FROF-16210C	2,200	RTF-11710B	1,000
FROF-17210C	2,200	RTF-12609A	300
FROF-18210C	2,200	RTF-12709H	1,500
RT-11609A	300	RTF-12710B	1,000
RT-11709H	1,500	RTF-13609A	300
RT-11710B	1,000	RTF-13709H	1,500
RT-12609A	300	RTF-13710B	1,000
RT-12709H	1,500	RTF-14609A	300
RT-12710B	1,000	RTF-14615	1,000
RT-13609A	300	RTF-14709H	1,500

Transmission Core Values by Model *continued*

MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)
RTF-14710B	1,000	RTLO-18913A	3,000	RTO-11609B	1,000	RTOF-11909MLL	300
RTF-14715	1,000	RTLO-18913A-T2	3,000	RTO-11708LL	1,000	RTOF-12609B	1,000
RTF-14915	1,500	RTLO-18918A-AS2	3,000	RTO-11709MLL	300	RTOF-14609B	1,000
RTF-15615	1,000	RTLO-18918B	3,000	RTO-11908LL	1,500	RTOF-14613	1,000
RTF-15715	1,000	RTLO-18918B-AS	3,000	RTO-11909MLL	300	RTOF-14615	1,000
RTF-8608L	300	RTLO-20913A	3,000	RTO-12609B	1,000	RTOF-14708LL	1,000
RTF-8709B	300	RTLO-20918A-AS2	3,000	RTO-12710B-AS2	1,000	RTOF-14709M	300
RTF-8908LL	300	RTLO-20918B	3,000	RTO-12910B-AS2	1,000	RTOF-14715	1,000
RTF-9710B	1,000	RTLO-20918B-AS	3,000	RTO-12910B-AS3	1,000	RTOF-14908LL	1,500
RTL-13710B	300	RTLO-22918A-AS2	3,000	RTO-12910B-DM3	1,000	RTOF-14909ALL	300
RTL-14710B	300	RTLO-22918B	3,000	RTO-14609A	300	RTOF-14909MLL	300
RTL-14710B-T2	300	RTLOC-16909A-T2	1,500	RTO-14609B	1,000	RTOF-14915	1,500
RTL-16609E	1,500	RTLOF-11610B-T2	300	RTO-14613	1,000	RTOF-15210C	2,200
RTL-13710B	300	RTLOF-12610B	300	RTO-14615	1,000	RTOF-15613	1,000
RTL-14710B	300	RTLOF-12610B-T2	300	RTO-14708LL	1,000	RTOF-15615	1,000
RTL-14710B-T2	300	RTLOF-12713A	2,200	RTO-14709MLL	300	RTOF-15715	1,000
RTLO-11610B-T2	300	RTLOF-12913A	3,000	RTO-14710B-AS2	1,000	RTOF-16908LL	1,500
RTLO-12610B	300	RTLOF-13610B	300	RTO-14710C-AS2	1,500	RTOF-16909ALL	300
RTLO-12610B-T2	300	RTLOF-13610B-T2	300	RTO-14715	1,000	RTOF-16915	1,500
RTLO-12713A	2,200	RTLOF-14610A	300	RTO-14813	1,000	RTOM-16910B-DM3	1,000
RTLO-12913A	3,000	RTLOF-14610B	300	RTO-14908LL	1,500	RTX-11609B	1,000
RTLO-13610B	300	RTLOF-14610B-T2	300	RTO-14909ALL	300	RTX-11609P	1,000
RTLO-13610B-T2	300	RTLOF-14613B	1,500	RTO-14909MLL	300	RTX-11609R	1,000
RTLO-14610A	300	RTLOF-14618A	1,500	RTO-14910B-AS2	1,000	RTX-11708LL	1,000
RTLO-14610B	300	RTLOF-14713A	2,200	RTO-14910B-AS3	1,000	RTX-11710B	1,000
RTLO-14610B-T2	300	RTLOF-14713A-T2	2,200	RTO-14910B-DM2	1,000	RTX-11710C	1,500
RTLO-14613B	1,500	RTLOF-14718B	2,200	RTO-14910B-DM3	1,000	RTX-12609B	1,000
RTLO-14618A	1,500	RTLOF-14913A	3,000	RTO-14910C-AS2	1,500	RTX-12609P	300
RTLO-14713A	2,200	RTLOF-14918B	3,000	RTO-14910C-AS3	1,500	RTX-12609R	300
RTLO-14713A-T2	2,200	RTLOF-15610B-T2	300	RTO-14915	1,500	RTX-12709H	1,500
RTLO-14718B	2,200	RTLOF-15618	1,500	RTO-15613	1,000	RTX-12710B	1,000
RTLO-14718B-T2	2,200	RTLOF-16610B	300	RTO-15615	1,000	RTX-12710C	1,500
RTLO-14913A	3,000	RTLOF-16610B-T2	300	RTO-15618	1,500	RTX-13609B	1,000
RTLO-14918A-AS2	3,000	RTLOF-16618A	1,500	RTO-15715	1,000	RTX-13709H	1,500
RTLO-14918B	3,000	RTLOF-16713A	2,200	RTO-16710B-AS2	1,000	RTX-13710B	1,000
RTLO-14918B-AS	3,000	RTLOF-16713A-T2	2,200	RTO-16710C-AS2	1,500	RTX-13710C	1,500
RTLO-15610B-T2	300	RTLOF-16718A	2,200	RTO-16908LL	1,500	RTX-14609A	300
RTLO-16610B	300	RTLOF-16718B	2,200	RTO-16909ALL	300	RTX-14609B	1,000
RTLO-16610B-T2	300	RTLOF-16913A	3,000	RTO-16910B-AS2	1,000	RTX-14609P	300
RTLO-16618A	1,500	RTLOF-16918B	3,000	RTO-16910B-AS3	1,000	RTX-14609R	300
RTLO-16713A	2,200	RTLOF-17610B-T2	300	RTO-16910B-DM2	1,000	RTX-14615	1,000
RTLO-16713A-T2	2,200	RTLOF-18610B	300	RTO-16910B-DM3	1,000	RTX-14708LL	1,000
RTLO-16718B	2,200	RTLOF-18718B	2,200	RTO-16910C-AS2	1,500	RTX-14709H	1,500
RTLO-16718B-T2	2,200	RTLOF-18913A	3,000	RTO-16910C-AS3	1,500	RTX-14710B	1,000
RTLO-16913A	3,000	RTLOF-18913A-T2	3,000	RTO-16915	1,500	RTX-14710C	1,500
RTLO-16913E-DM3	3,000	RTLOF-18918B	3,000	RTO-18910B-AS2	1,000	RTX-14715	1,000
RTLO-16913L-DM3	3,000	RTLOF-20918B	3,000	RTO-18910B-AS3	1,000	RTX-15615	1,000
RTLO-16918A-AS2	3,000	RTLOF-22918B	3,000	RTO-6610	1,000	RTX-15710B	1,000
RTLO-16918B	3,000	RTLOM-16913E-DM3	3,000	RTO-6613	1,000	RTX-15710C	1,500
RTLO-16918B-AS	3,000	RTLOM-16913L-DM3	3,000	RTOC-16709A	1,500	RTX-15715	1,000
RTLO-17610B-T2	300	RTO-10710B-AS2	1,000	RTOC-16909A	1,500	RTX-16709B	1,500
RTLO-18610B	300	RTO-10910B-AS2	1,000	RTOC-18909A	1,500	RTX-16709H	1,500
RTLO-18718B	2,200	RTO-10910B-AS3	1,000	RTOF-11709MLL	300	RTX-16710B	1,000
RTLO-18718B-T2	2,200	RTO-10910B-DM3	1,000	RTOF-11908LL	1,500	RTX-16710C	1,500

Transmission Core Values by Model *continued*

MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)	MODEL	CORE VALUE (\$ US)
RTXF-11609B	1,000	RTXF-13609B	1,000	RTXF-14708LL	1,000	RTXF-15715	1,000
RTXF-11609P	300	RTXF-13709H	1,500	RTXF-14709H	1,500	RTXF-16709B	1,500
RTXF-11710B	1,000	RTXF-13710B	1,000	RTXF-14710B	1,000	RTXF-16709H	1,500
RTXF-11710C	1,500	RTXF-13710C	1,500	RTXF-14710C	1,500	RTXF-16710B	1,000
RTXF-12609A	300	RTXF-14609B	1,000	RTXF-14715	1,000	RTXF-16710C	1,500
RTXF-12609B	1,000	RTXF-14609P	300	RTXF-15615	1,000	T-14607A	300
RTXF-12709H	1,500	RTXF-14609R	300	RTXF-15710B	1,000	T-14607B	300
RTXF-12710B	1,000	RTXF-14610	1,000	RTXF-15710C	1,500	TX-14607B	300
RTXF-12710C	1,500	RTXF-14615	1,000				

Heavy-Duty and Medium-Duty Transmission ECU Core Return Procedures (excludes CEEMAT Core Returns)

1. All component returns are like-for-like and one-for-one as ECUs are not interchangeable between transmission generations.
2. Cores returned within six (6) months of purchase receive full core credit minus any deductions. Cores returned after six (6) months receives no credit.
3. Refer to the list below for deduction amounts. Disassembling the core is not necessary to determine core deductions.
4. Cores need to be returned per the instructions provided in the special ECU core packet sent with the replacement part being ordered. Note the return location for ECUs is different than for the return of transmission units.

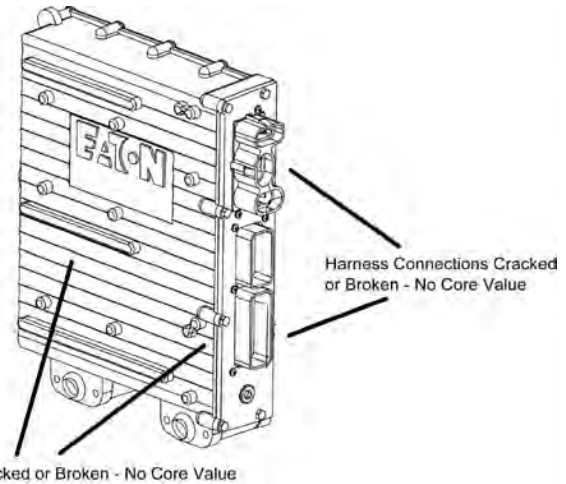
ECU Warranty

One year unlimited mileage on new and Reman ECUs for date of retail sale.

ECU Core Value

All ECUs have a core value of \$300

Core Deductions



ECU Core Return Location

Eaton Corporation
ECU Return Center
13100 E. Michigan Ave.
Galesburg, MI 49034

ECU Core Freight Return

Return all cores using the pre-paid return label included in the core return packet.

ECU Part Numbers

K-3435R
K-3439R
K-3443R
K-3444R
K-3445R
K-3457R
K-3516R
K-3639R

CEEMAT Transmission Core Return Procedures

1. Eaton no longer sells complete CEEMAT transmissions outside of the OEM warranty period. Place all non-warranty CEEMAT unit orders with TransGear, LLC.
2. All component core returns are like-for-like and one-for-one.
3. Cores returned within one (1) year of purchase receive full core credit. Cores returned after one (1) year receive no core credit.
4. Refer to the list below for deduction amounts. Do not disassemble the core to determine deductions.
5. Cores need to be returned per the instructions provided in the core packet that is sent with the replacement part being ordered. Note that the shipping location for the CEEMAT/CEMT type components is TransGear, LLC. See address below.

See attached schedule for prices and deducts.

CEEMAT Warranty

PRODUCT	STANDARD WARRANTY COVERAGE
CEEMAT/CEMT Parts mileage, parts only	One year, unlimited

Authorized Repair Points and Exclusions: See page 4 for details.

CEEMAT Core Values/Deductions

PRODUCT	CORE VALUE (US)
Autoshifter Assemblies	\$300
ECU Cover Assemblies	\$400
Hydraulic Valve Assembly	\$225
Power Synchronizer Assembly	\$250
Torque Converters	\$800

CORE DEDUCTIONS	DEDUCTIONS (US)
Unapproved Carrier for returned cores	\$100
Autoshifter Assembly Missing parts Broken (case or housing)	\$150 No core value
ECU Cover Assembly Missing parts Broken (case or housing)	\$200 No Core Value
Hydraulic Valve Assembly Missing Parts Broken (case or housing)	\$115 No Core Value
Power Synchronizer Assembly Missing Parts Broken (case or housing)	\$125 No Core Value
Torque Converter Missing Parts Broken (case or housing)	\$400 No Core Value

CEEMAT Core Return Location

TransGear, LLC
3308 Covington Rd., Suite 2
Kalamazoo, MI 49001

CEEMAT Core Return Freight

Return all cores freight collect to the above address. Use the freight carrier described in the core packet or if no carrier is listed go to www.eatonroute.com to determine proper carrier. Using a non-approved carrier will result in a \$100 core deduction.

PART NO.	DESCRIPTION	WEIGHT (LBS.)
B-2000000000 thru B-2055430000	ECU Cover	23
R-2003100000 thru R-2053510000	ECU COver	23
K-2385R, K-2983, K-2983R, S-1652	AutoShifter	20
K-2387R, K-2393, K-3117R	Hydraulic Valve	20
K-2392R, K-2397R, K-2400R	Power Synchro	40
K-2646R, K-2647, K-2647R	16-D Converter	270
K-2648R, K-2649R	14-B Converter	270

Clutch Core Return Procedures

New Clutches

Eaton® Fuller® Clutch does not accept any cores against new purchases. Any cores received ahead of reman purchases will be held for 90 days. If reman purchases are made within the 90 days, credit will be issued against the reman purchase. After 90 days, cores ahead of reman purchases that have not been used, will become the property of Eaton Corporation and no credit will be given.

Reman Clutches

Eaton Clutch will credit dealers the following amounts through the O.E.M. for reman core credit:

\$50 for 14" Cast Easy-Pedal™, or Stamped Angle Spring®.
\$70 for 15.5" Cast Easy-Pedal™.

Note: Eaton Clutch no longer accepts any old style Cast Angle Spring® cores or Solo cores.

Eaton Clutch will issue credit for 14" Stamped Angle Spring®, 14" Easy-Pedal™, 14" or 15.5" Easy-Pedal™ providing the following conditions are met:

1. Cast Easy-Pedal™ or Stamped Angle Spring® Clutches remanufactured by Eaton Fuller have been purchased.
2. 14" and 15.5" clutch core credits will be issued in equal quantities up to and not to exceed the quantity purchased.
3. Size and type of clutch cores must match the size and type of clutches that were ordered. 14" Stamped can only be returned for 14" Stamped. 14" Cast Easy-Pedal can only be returned for 14" Cast Easy-Pedal. 15.5" Easy-Pedal can only be returned for 15.5" Easy-Pedal.
4. Core returns must be approved by one of our core return centers, and they must be Eaton Fuller Stamped Angle Spring® or Easy-Pedal™; other products are not acceptable.
5. Cores must be returned within 180 days of the original remanufactured clutch purchase. Cores submitted in excess of purchases will be held 90 days for credit against future purchases, *after 90 days, cores will become the property of Eaton Corporation and no credit will be issued.*
6. Credit will be issued strictly on our acceptance. We reserve the right to refuse any cores that are not in reusable condition. Disposition of material is to be indicated on the core return form. If material is requested back, we will return it freight collect to your location.
7. All clutch core shipments under 1200 lbs. must be shipped freight prepaid. All clutch core shipments over 1200 lbs. can be shipped freight collect. Freight collect shipments must be shipped via Eaton approved carriers, shipments on any other carriers will not be accepted. For an approved carrier listing, see the attachment to the core form and/or call a remanufacturing facility.

Core Credit Allowance & Component Value Breakdown

Complete Core Kits - Cast Solo® and Cast Easy- Pedal™ Clutches Valued %

Consisting of cover assembly, intermediate plate, and driven discs 100%

Damaged Parts Credit - Cast Solo® and Cast Easy-Pedal™ Clutches

Reusable cast cover assembly	70%
Reusable intermediate plate	20%
Reusable driven discs	10%

Damaged Parts Credit - Stamped Clutches

Single Plate Stamped Angle Spring®

Reusable stamped cover assembly	95%
Reusable driven disc	5%

Two Plate Stamped Angle Spring®

Reusable stamped cover assembly	70%
Reusable intermediate plate	20%
Reusable driven discs	10%

The Following Will Constitute No Credit Being Allowed:

1. Not Eaton Fuller
2. Disassembled
3. Welded
4. Broken/Cracked
5. Old Style Cast Angle Spring 14", 15.5" or 14" and 15" ValveClutches™, Solo 15-1/2" or Solo 14"

Core Return Procedures

Cores may be returned on a freight collect basis, within the Continental U.S. only, on shipments of 1200 lbs. or more. All clutch core shipments under 1200 lbs. must be shipped freight prepaid. The shipping documents should be marked:

"CORES - CORE ITEM NO. 17850, USED AUTO PARTS, VALUE FOR RECONDITIONING ONLY, AT CLASS 60"

Use core return form supplied by Eaton. A packing list should also be sent listing the cores being returned, along with customer's address and telephone number.

Core Return Locations:

U.S. – EAST

Alo Tech, Inc.
2700 S. Horner Blvd.
Sanford, NC 27330-9754
Phone: (919) 774-1297

WEST

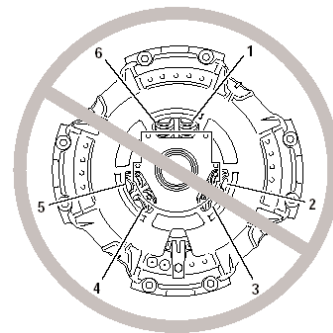
Eaton Corporation
Clutch Division
5001 S. W. 20th
Oklahoma City, OK 73128
Phone: (405) 682-0873
Fax: (405) 682-2031

In Canada, contact OE core consolidator or call 905-563-4119.

Eaton Fuller Clutch Core Return Identification

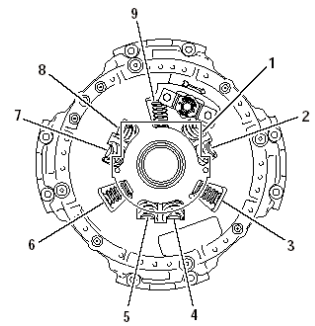
The number of visible cover assembly springs indicates which cores Eaton will accept.

- **9-Spring** Easy-Pedal™ Style Cores – Eaton Accepts
- **6-Spring** Angle Spring Style Cores – Eaton **WILL NOT** Accept*
- Solo Cores – Eaton **WILL NOT** accept



Not Accepted Style*

Angle spring clutches have 6-springs visible on the back of the cover assembly.



Accepted Style

Easy-Pedal clutches have 9-springs visible on the back of the cover assembly.

* Eaton will only accept 6-spring Angle Spring cores that meet the following 2 requirements: 1) Must be a reman purchased before April 1, 2001. 2) Must meet core return eligibility.

Clutch Warranty

1. Warranty:

Subject to the conditions stated herein, Eaton warrants to the original equipment purchaser ("OE") thereof that the parts, components and assemblies sold by Eaton as original equipment or service parts, (individually and collectively referred to hereafter as the "Product") will, when properly assembled and installed on vehicles approved for such purpose, be free from defects in material and workmanship under normal use and proper maintenance for the applicable warranty period as described in Section 5 below. Eaton assumes no responsibility, in the absence of its written approval, for the selection of Product for specific applications and makes no general representation whatever in respect of any such selection. Product supplied by Eaton but manufactured by others shall be warranted only to the extent of the manufacturer's warranty, if that warranty is more limited than the express warranty described herein.

2. Remedy:

If any Product supplied hereunder fails to comply with this warranty, Eaton agrees to repair or, at its sole option, furnish a replacement product for the defective Product. Eaton's obligation to satisfy a warranty claim as contemplated herein is subject to the following conditions: (A) All such claims must be submitted by the OE to Eaton no later than ninety (90) days from the date of the failure occurrence and shall be supported by satisfactory evidence establishing the occurrence; (B) If requested by Eaton, the Product involved shall be returned, freight prepaid, to a designated Eaton location for examination; and (C) Eaton's examination of the Product must disclose to its satisfaction that none of the Warranty Exclusions described herein are applicable, and that said Product was defective when it originally left Eaton's control. In all cases, Eaton's determination shall be final.

The repaired or replaced Product shall be warranted hereunder only for the unexpired portion of the original warranty period.

3. Warranty Exclusions:

Eaton's warranty shall not extend to any Product that has been subjected to the following: (A) accident, damage, negligence, abuse or misuse; (B) improper installation or maintenance; (C) abnormal operating conditions; (D) alteration or modification; (E) a purpose or application in any way different from that for which it was originally designed; (F) progressive damage; (G) damage by casualty or shipment; or (H) wear and tear of all clutch components.

4. Limitations on Reimbursement:

Eaton's warranty, covers reimbursement for (A) parts and labor for repaired Product or (B) the cost of the replacement Product. Eaton's warranty for service parts covers reimbursement for parts and labor if installed by an authorized dealer. Reimbursement for service parts sold over the counter will consist of parts only. Rates for parts and labor are subject to predetermined limitations established by Eaton.

Without limiting the generality of the foregoing, the following is a list of items not covered and costs, charges and expenses not reimbursable under Eaton's warranty:

- Towing expense
- Meals or lodging expense
- Travel time or transportation
- Downtime expense
- Loss of revenue
- Daily rentals
- Flywheel turning
- Misc. shop supplies
- Pilot bearings, forks, clutch brakes and linkage

In all cases, Eaton's determination regarding reimbursement of each claim shall be final.

5. Warranty Period:

The Product Warranty Periods shall be as agreed between Eaton and the OE. Warranty coverage for Product furnished as original equipment commences on the vehicle's in-service date. Warranty coverage for Product furnished as service parts commences on the date of retail sale.

6. Claims Procedure:

All direct warranty claims shall be made in writing to: Eaton Clutch Division, 201 Brandon Street, Auburn, IN. 46706, Attn: Warranty Administrator. Product returned to Eaton under this warranty shall become the property of Eaton.

Eaton reserves the right to reject a warranty claim for any or all of the following reasons:

- Original claim was filed after ninety (90) days from the date of failure
- Claim information is insufficient
- Product inspected does not substantiate claim or indicate a warrantable failure
- Product requested was not returned for inspection

7. Warranty Disclaimer:

Eaton's express warranty and OE's remedies thereunder are exclusive and given in place of all other warranties, express, implied, or statutory, whether written or oral, including, but not limited to, any warranty of merchantability, warranty of fitness for particular purpose, or warranty arising from course of performance, course of dealing or usage of trade. There are no warranties that extend beyond the express warranty described herein. Eaton disclaims and OE waives all other obligations, liabilities, rights, claims or remedies, including, but not limited to, any right in contract, tort, or strict liability, as well as, any right arising from Eaton's negligence, actual or imputed.

8. Limitation of Liability:

Eaton's obligation and OE's remedies under Eaton's express warranty are limited to Eaton's choice of repair or replacement of non-conforming products and exclude liability for incidental, special, consequential or any other damages, including, without limitation, replacement costs, economic loss, loss of revenue, loss of profits, or loss of use or damage to other property.

9. Effective Date:

This warranty shall become effective October 1, 1998, and applies only to Products sold for use in the United States and Canada. This warranty supersedes all past warranties expressed by Eaton for Products, and may not be changed, altered or modified in any way except in writing by Eaton.

10. Service Support:

The OE'S service and support channel is the Eaton Roadranger Field Marketing network. Their telephone number is 1-800-826-HELP, (826-4357).

11. Governing Law:

This warranty shall be governed, interpreted and construed by, and in accordance with the laws of the State of Ohio.

12. English Language:

It is the express wish of the OE and Eaton that this document and all documents related to it be written in English. Les parties aux presentes ont expressement exige que ce document soit redige en langue anglaise ainsi que tous documents y afferent.

Unit Exchange Designated Core Return Locations*

***Non-warranty returns only. See chart on page 12 for warranty returns.**

Instructions: Please return core to the collection facility designated for your area. **Use only freight carriers listed by area for the return of cores. Use of an unauthorized freight carrier will result in a \$100 deduction on core credit.** See page 5 for correct shipping weight. Please note that information provided below is not intended to replace existing core return procedures already available from your OEM. If more information is needed call 1-800-826-4357. In Canada, call 1-888-507-1500.

Canadian Western Shipments*

Includes all shipments originating **west of, but not including, Brandon, Manitoba.**

Ship to: Eaton Truck Components
4300 5th St. N.E.
Calgary, Alberta
Canada T2E 7C3

Approved freight carriers:

Manitoba (west of Brandon) - Reimer
Alberta, British Columbia and Saskatchewan - Canadian Freightways

Canadian Eastern Shipments*

Includes all shipments **east of, and including Brandon, Manitoba.**

Ship to: Eaton Truck Components
1455 Michael St. Unit '1'
Ottawa, Ontario
Canada K1B 3R3

Approved freight carriers:

Northern Ontario - Manitoulin Transport
Southern Ontario - EPIC Express
Quebec - Cabano
Maritime Provinces - Day & Ross
Manitoba (east of Brandon) - Canadian Freightways

All U.S. Transmission Core Returns

Ship to: Eaton Corporation c/o MSW
BLDG 98 Park 100
8258 Zionsville Rd.
Indianapolis, IN 46268

All U.S. CEEMAT Core Returns

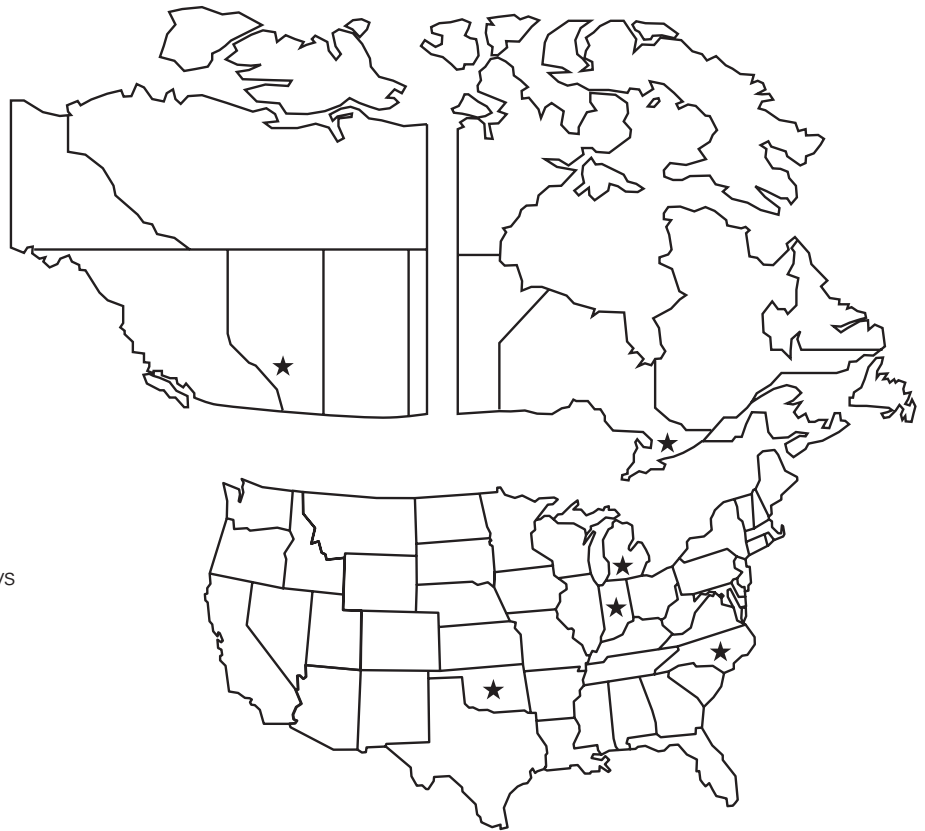
Ship to: TransGear, LLC
3308 Covington Rd., Suite 2
Kalamazoo, MI 49001

All ECU Core Returns

Ship to: Eaton Corporation
ECU Return Center
13100 E. Michigan Ave.
Galesburg, MI 49034

All U.S. Clutch Core Returns

ship to: **EAST**
Alo Tech, Inc.
2700 S. Horner Blvd.
Sanford, NC 27330-9754
WEST
Eaton Corporation, Clutch Division
5001 S. W. 20th
Oklahoma City, OK 73128



Canadian Clutch Core Returns

See your OE core consolidator or call 905-563-4119

To select proper US-only freight carrier to return transmission, go to www.eatonroute.com

Warranty Returns

All warranty units must be returned as indicated below via approved freight carriers.

	Transmission	Axle*
U.S. warranty returns ship to:	Eaton Corporation Warranty Return Center 13100 E. Michigan Ave. Galesburg, MI 49053	Dana Corporation Warranty Return Center 6938 Elm Valley Dr. Kalamazoo, MI 49009
Canadian warranty returns ship to:	Axle* and Transmission Eaton Truck Components 2160 Williams Parkway Brampton, Ontario Canada L6S 5X7	

***Note:** For all axle warranty returns (US & Canada), please call 800-858-8069, select option "5 - Warranty Returns," for assistance in selecting the appropriate approved freight carrier. Transmission returns should use appropriate freight carrier listed above.

Shipping

Eaton Core Return Locations – See page 11

Freight Charges

Units shipped directly from an Eaton or Dana distribution facility rather than from the OEM PDC will be shipped prepaid. Cores returned to the designated Eaton core return location should be shipped collect by the dealer.

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1M/WP