Roadranger®
Special Service Tools

Catalog
Tools for Eaton Components

www.eaton.com/roadranger

www.klineind.com
K-Line® Industries is pleased to partner with the Roadranger support team to provide specially designed service tools tested and approved by Eaton®. The partnership focuses on producing long lasting high quality tools to help you service Roadranger System products more efficiently.

**Clutch Tools**

**RR1002CL 1 3/4” Alignment Shaft**
**RR1003CL 2” Alignment Shaft**
Designed to align the flywheel and clutch disc for trouble-free input shaft insertion.

**RR1005CL Clutch Release Tool**
Removes shipping blocks from between clutch housing and release bearing.

**RR1007CL Clutch Measurement Tool**
One tool end enables 1/8” measurements while the other end has three measuring increments (.490, .560, and .590) to determine proper clearance.

**RR1009CL 2” 14-Spline Alignment Shaft**
Designed to align the flywheel and clutch disc for trouble-free input shaft insertion.

**Transmission Tools**

**RR1001TR Output Shaft Seal Driver Kit**
Used to service Eaton (Fuller) transmissions.
Kit contents (available individually):
- RR1001TR-1 – Driver Slinger (4303829)
- RR1001TR-2 – Driver (5564501)
- RR1001TR-3 – Reducer (71222)
- RR1001TR-4 – Driver Slinger (71223)
- RR1001TR-5 – Reducer (71227)
- RR1001TR-6 – Reducer (71228)
- RR1001TR-7 – Reducer (71229)

**RR1002TR Auxiliary C/S Support Straps**
Supports the counter shaft ends and keeps tapered bearings from falling out when bearing covers are removed from auxiliary cases.

**RR1004TR Mainshaft/Countershaft Hook Tool**
For easy removal and installation of mainshaft and countershaft assemblies from the transmission case.
RR1005TR Input Shaft Bearing Driver
Save time and prevent bearing damage. Easy installation of hard to install input shaft bearings on most Eaton (Fuller) transmissions. Also installs countershaft bearing on FRO models.

RR1006TR Input Shaft Bearing Driver
Use with chain hoist to remove and install auxiliary section. A real time saver when doing in-chassis auxiliary repairs.

RR1007TR Auxiliary Countershaft Taper Bearing Shim Gauge (.100")
RR1008TR Auxiliary Countershaft Taper Bearing Shim Gauge (.125")
Combines the procedure of supporting the countershaft and retaining the tapered bearing with precision into one tool. You are all set if you use this tool at the start of reassembly.

RR1010TR Slide Hammer
Fits ½”-13 threads. Slide hammer is threaded into reverse idler shaft for removal. Also pull various bearings from blind holes with appropriate adapters.

RR1011TR Slide Hammer Adapter Kit
Used along with the RR1010TR slide hammer to remove auxiliary counter shaft front bearings.

RR1012TR Countershaft Bearing Driver Kit
Used to easily install front and rear main-case countershaft bearing drivers.
Kit contents (available individually)
RR1012TR-1 – Front Bearing Puller (not pictured)
RR1012TR-2 – Front Bearing Driver
RR1012TR-3 – Rear Bearing Puller
RR1012TR-4 – Rear Bearing Driver
RR1012TR-5 – Auxiliary Bearing Puller
RR1012TR-6 – Auxiliary Bearing Driver

RR1013TR Universal Timing Block
Supports and centers countershaft front during timing procedure. A must for proper timing of multi-mesh transmissions.

RR1014TR Countershaft Bearing Puller
Used to remove a main-case countershaft bearing on FRO-XX210 Series.

RR1015TR Countershaft Bearing Driver
Used to easily install a main-case countershaft bearing on FRO Series.

RR1016TR Auxiliary Countershaft Bearing Puller
For use with both front and rear countershaft bearings on FRO Series.

RR1017TR Countershaft Pusher
Used to push the countershaft through the bearing to expose the snap ring in order to install the bearing puller. Works on all series... uses two of the clutch housing bolt holes.

RR1019TR Soft Maul
RR1020TR Soft Bar
These items are used in tandem to drive off bearings, bearing races or shafts. These items are made of soft steel so they will not cause damage to gearing with intermittent light contact. The soft maul has a hand guard to protect the operator in case of deflection.
Driveline Angle Analyzer & Driveline Vibration Analyzer Diagnostic Tools

Effectively diagnose the most common truck vibration problems. Helps eliminate expensive parts changing and misdiagnosis.

**Driveline Angle Analyzer (DAA) CD**

DAA software predicts effect of driveline working angles and correct action.

**Driveline Angle Analyzer (DAA) Kit**

Digital protractor, v-block, tape measure and software CD.

**Basic MD300V Driveline Vibration Analyzer (DVA)**

Pinpoint u-joint excited driveline torsional vibration.

**Basic Driveline Vibration Analyzer (DVA) 2.0 Plus**

Updated tool includes new engine vibration measurement as well as basic MD300V capabilities.

**Advanced Driveline Vibration Analyzer (DVA) 2.0 Plus**

Automatically evaluates engine, cab mounts and all common vibration problems along with advanced reporting capabilities.

To place a Roadranger special service tool order visit www.klineind.com.

Or call K-line customer service: 1-800-824 K-Line (5546) or 1-616-396-3564
Fax: 1-800-528-9138 or 1-616-396-8974
Email: cservice@klineind.com

For Roadranger drivetrain spec’ing and service call 1-800-826 – HELP (4357) or visit www.eaton.com/roadranger.

Note: Features and specifications listed in this document are subject to change without notice and represent the maximum capabilities of the software and products with all options installed. Although every attempt has been made to ensure the accuracy of information contained within, Eaton makes no representation about the completeness, correctness or accuracy and assumes no responsibility for any errors or omissions. Features and functionality may vary depending on selected options.