1. Clutch Caddy - The safe way of doing a Clutch Job.
2. Clutch Caddy Adapters - Now includes 15 Adapters with more to come. (Seen here is the CC2056 Auxiliary Case Adapter)
3. Clutch Caddy DPF Adapter - The safe way to lift, hold and position DPF units.
4. Wheel Grabber - Safe and effective method of removing seized hub piloted wheels.
5. Brake Drum Puller - This Wheel Grabber Adapter safely removes seized 16.5" brake drums.
6. Tweakster - Repairing instead of replacing damaged roll-up door track saves time and money.
7. Axle Shaft Remover - Removes axle shafts without damage to the studs or the mechanic.
8. Seal Puller - Removes hub oil seals fast, without damage to the bearing.
10. Spring Brake Third Hand - Provides the needed help when changing an emergency section and diaphragm.
11. Tire Lifter - Safely lifts 22.5 ~24.5 and supersingles
12. Fifth Wheel Lifter - Self centering tool keeps 5th wheel level when removing or installing.
13. Engine Stands - Mobile or Stationary rebuilding stands to 5,000 lb capacity.
14. Mack Engine Support - Provides a safe and stable method of supporting the engine when the transmission is removed.
15. Clutch Brake Cutter - Remove one piece clutch brakes in 20 minutes or less.

KIENE Equipment ...
an investment in safety and productivity

KIENE
DIESEL ACCESSORIES, INC.
325 S. Fairbank Street, Addison, IL, 60101
Phone: 1-800-264-5950 • 630-543-5950 • Fax: 630-543-5953
www.kienediesel.com • e-mail: info@kienediesel.com
Until now there’s been no fast, safe way to remove disc brake hubs, and seal damage was hard to avoid. Kiene’s new **K-1380 Disc Brake Hub Handler** changes that.

The K-1380 improves safety by eliminating awkward, heavy lifting. Plus, it eases all hub maintenance procedures - rotor, seal, and bearing replacement and cleaning.

The Hub Handler locks in to the hub’s height and camber before pulling it off the spindle. After servicing, roll the hub straight back on with no damage to the seals and **no heavy lifting**!

**FEATURES INCLUDE:**

- Prevents back injuries and **improves safety**
- Replace rotor, seals, and bearings with no heavy lifting
- Pinch handles allow for fast and simple adjustment of the tool’s mounting plate to match the hub
- Works on disc brake hubs for semis, school buses, and other transit vehicles
- Compact Design: 2’ x 1½’ x 3’
- Pivot-to-floor design makes laying the tool and hub down for service easy
- Removable drip pan
- Speed nuts for quickly locking the tool to the hub

**KIENE Equipment... an investment in safety and productivity**

**MADE IN THE U.S.A.**

**Do you have a tool idea?**
**Give us a call!**

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Kiene's new Brake Lining Gauge makes measuring the thickness of brake shoe linings fast, easy, and convenient. The unique slider captures measurements in hard to see locations so you can read the tool when you want.

- User-friendly scale is fast and accurate to 1/32”
- Measure linings down to 7/32” thick
- Works without removing brake drum or dust cover
- Schedule maintenance when it’s convenient, before excessive wear becomes a problem

EASY AS...

1. Close tool and set slider...
2. Open tool to take measurement—Slider holds value
3. Read measurement

Made in the U.S.A.

Do you have a tool idea? Give us a call!
K-1360 Clutch Brake Cutter
Quickly removes one-piece clutch brakes
for mechanical clutches . . .

COMPLETELY REMOVE A CLUTCH BRAKE IN 15 TO 20 MINUTES!

Removing a clutch brake is a difficult, messy, hazardous job. Torch cutting is the usual solution, but it’s slow and dangerous. The K-1360 Clutch Brake Cutter makes the job safer and much easier!

- No more torching! Drill through and then finish with an air chisel.
- No need to pull transmission.
- The safe and cost effective way to remove a one-piece clutch brake.

The Clutch Brake Cutter Kit includes . . .

Drills
Chisel
Drill Guide
Drill Bushing
Handle

How it works . . .
1. Position the K-1360 and clamp in place with clutch pedal.
2. Drill through clutch brake.
3. Finish cut with the air chisel.
4. Rotate clutch brake and repeat process.

Patent pending
MADE IN THE U.S.A.

Do you have a tool idea? Give us a call!

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The new **King Pin Adapter** adds even more functionality to the versatile **Clutch Caddy**. The king pin adapter allows the Clutch Caddy to carry the weight of everything attached to the knuckle on a steer axle. Just secure the adapter to the hub, remove the pin, and pull the entire knuckle assembly off the axle. Leave the hub bolted to the Clutch Caddy while the bushings are replaced and let the tool do the heavy lifting. It’s a faster, safer way to replace king pins!

**CC2068 bolts to the hub**

**Clutch Caddy carries the load**

The **King Pin Adapter** was invented by ASE Master Tech Billy Heath of Augusta, GA

The Clutch Caddy and its adapters make jobs safer and more cost effective.

Made in the U.S.A.

**KIENE Equipment...**

an investment in safety and productivity

Do you have a tool idea?
Give us a call!
The Kiene Wheel Grabber is the proven, successful way to remove a seized, hub-piloted wheel.

The Unit:
- Quickly and safely removes seized hub-piloted wheels from steering, drive and trailer axles.
- Works effectively on steel or aluminum wheels.
- Features a compact and portable design.

Why:
- Frustrate yourself with a porta-power?
- Exhaust yourself swinging a sledge hammer?
- Risk damage to the wheel and studs by loosening the lug nuts and driving the vehicle around the block?
- Use another method, when one mechanic can finish the job safely and return the vehicle to service quickly, using an impact wrench, and the Wheel Grabber?

NEW APPLICATION: In addition to heavy-duty applications, the Wheel Grabber is the perfect solution for removing seized hub-piloted wheels on school buses and Ford 450 and 550 Super-Duty trucks!

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>K-1350</td>
<td>Wheel Grabber - Specify Chain Set and 1 Hub Socket</td>
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Chain Assemblies - A set of 3 of the same part number are included with purchase

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<tr>
<td>WW2101</td>
<td>Steel Wheel Pulling Chain Assembly</td>
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<tr>
<td>WW2102</td>
<td>Aluminum Wheel Pulling Chain Assembly</td>
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Hub Sockets - Choice of 1 with purchase

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<tr>
<td>WW2151</td>
<td>Drive Axle Socket (for most Eaton and Meritor-Rockwell drive axles)</td>
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<tr>
<td>WW2153</td>
<td>Steer Axle Socket (for CR1769 and most buses)</td>
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<tr>
<td>WW2154</td>
<td>Trailer and Ford 450/550 Socket (for most Sterling and CR1643 &amp; 1743 hubcaps)</td>
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<td>WW2155</td>
<td>Freightliner Trailer Socket</td>
</tr>
<tr>
<td>WW2156</td>
<td>Pro-Par Trailer Socket (for Pro-Par hubcaps)</td>
</tr>
</tbody>
</table>

FOR OTHER APPLICATIONS, PLEASE CALL KIENE.

MADE IN THE U.S.A.
KIENE wheel pullers (the Wheel Grabber and Wheel Whiz) are the proven, safe way to remove a seized wheel.

Now with the addition of the K-1356 Brake Drum Puller Adapter, both tools have become the safe way to remove a seized 16-1/2” brake drum.

Using a large hammer to release a frozen drum may cause damage to the drum and the mechanic.

The K-1356 Brake Drum Puller Adapter gives you the option of re-using both!

Adjusting screws (two on top, one at the bottom) keep the puller centered on drum

Welded Steel Construction

Three chain assemblies provide even pulling force

Safety and Cost Savings from KIENE

MADE IN THE U.S.A.
FACT #1: HUB PILOTED WHEELS FREEZE ON THEIR HUBS!

The close fit of the wheel to the hub, when combined with heat and moisture, can cause corrosion that virtually welds wheels and hubs together. It’s not uncommon for a mechanic to struggle for hours to remove these wheels. And you know that removing frozen, seized wheels can be a serious safety problem too!

FACT #2: THE KIENE WHEEL WHIZ IS THE PROVEN, SUCCESSFUL WAY TO REMOVE SEIZED, HUB-PILOTED WHEELS.

The KIENE Wheel Whiz is the original hub-piloted wheel puller used for transit buses and other heavy-duty fleet applications!

- The Wheel Whiz quickly and safely removes seized hub-piloted wheels from steering, drive and trailer axles.

- The Wheel Whiz uses five pulling chains to remove even the most stubborn wheels safely and allow the vehicle to be returned to service quickly.

- The Wheel Whiz works effectively on steel or aluminum wheels.

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MADE IN THE U.S.A.
... Makes Axle Shaft Removal Easier, Faster and Safer...

Removing drive axles is often frustrating and time consuming. It is usually done by hammering on the axle flange with a sledge or air hammer. This method is slow and often results in damaged studs which must be removed and replaced. In addition, flying pieces of the axle flange can cause serious injury.

Now there is a better way:

It’s the Kiene K-1280 Axle Shaft remover.

- **Specially heat treated alloy drive pin provides large easy to hit target that extends well beyond the wheel.**
- **Speeds the removal process since the mechanic can hit harder and with greater accuracy.**
- **Spring loaded drive pin maintains contact with axle flange.**
- **It’s a rugged, yet lightweight tool that installs in less than a minute.**

The patented K-1280 is a rugged tool made of special heat-treated steel. Installs in less than a minute. Eliminates damage to hub and studs.

It’s an invention of Fleet Mechanic Ron Stillwell and manufactured by Kiene. A patented device that works every time no matter how badly the axle is stuck. Eliminates flying metal fragments because the hammer doesn’t strike the axle itself. Saves money, too because it’s a labor saver!

Accommodates all Rockwell and Eaton Axles

---

Install Adapter Studs

Install Drive Pin Plate Assembly

Drive Pin provides easy-to-hit target

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Stud Thread</th>
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<tr>
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<td>1/2 - 20</td>
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<td>K-1280-9</td>
<td>5/8 - 18</td>
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<td>K-1280-13</td>
<td>3/4 - 16</td>
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<td>K-1280-14</td>
<td>1/2 - 13</td>
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<tr>
<td>K-1280-15</td>
<td>5/8 - 11</td>
</tr>
</tbody>
</table>

The K-1280 is supplied with two Stud Adapters for 5/8-18 studs. Additional Stud Adapters are available individually as shown or as a kit (part No. K-1282):

---

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Proudly Made In USA

3-22-16
The NEW SPRING BRAKE 3rd HAND allows for quick and simple emergency section and diaphragm replacement - on the vehicle!

NOTE: Never try to disassemble an emergency section - replace it.

Replacing a spring brake emergency section and diaphragm requires: juggling the section with one hand, lining up the diaphragm with the other hand and with your third hand, turn a ratchet to tighten the clamping bolts. This requires dexterity not commonly found. At least, not until mechanic/inventor - Juan De La Mora invented the Spring Brake 3rd Hand.

Why the Spring Brake 3rd Hand?
- Replacing the complete spring brake is time consuming, frustrating and often not needed. By replacing only the emergency section and diaphragm, the job can be done in a few minutes, without removing the service section and without the hassle of measuring and cutting the service section push rod. (A job in itself!)

- The Spring Brake 3rd Hand holds the emergency section in place leaving both hands free to align the diaphragm and tighten the clamping bolts. This helps ensure proper diaphragm placement, which results in less service side leaks and costly "come back" jobs.

- The Spring Brake 3rd Hand makes replacing an emergency section and diaphragm simpler-easier and saves money by minimizing repair time and quickly gets the vehicle back into service.

Hook Engages Service Section Push Rod to Hold the 3rd Hand in Place

Emergency Section Cradle

Stabilizing Plate - Accepts Most Common Emergency Sections

Squeeze Handle Permits Quick Length Adjustments

MADE IN THE U.S.A.

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CRUSHED – BENT – TWISTED . . .
Roll-up trailer door tracks are damaged all the time!

Repair usually means removing the old track and welding in a new one – until now. With the new Kiene TWEAKSTER, you can repair damaged tracks easily, quickly and on the truck . . .
No track replacement!

The TWEAKSTER can be used several ways:

- Hammer it through a crushed track section to open it up.
- Use the slot to “tweak” the edges of the track back into shape.
- Pry the track open with the slot to replace rollers – then close the track again.
- Use the TWEAKSTER as a back-up dolly to hammer bulged sections back into shape.

Hammer it through crushed track!

“Tweaks” the edges of damaged track back into shape!

Save time and money and return the vehicle to service quickly, with the new KIENE TWEAKSTER!

The Tweakster is available in two sizes:
Part No. K-1311 for Todco 1” door tracks
Part No. K-1312 for Whiting 2” door tracks
... REMOVES HUB OIL SEALS QUICKLY, AND ELIMINATES BEARING DAMAGE

Removing hub oil seals slows down routine brake jobs. Prying or driving them out is time consuming and bearings are often damaged in the process.

The Kiene K-1295 Hub Oil Sealer Puller solves these problems. It pulls oil seals fast, without damaging the bearings. The K-1295 saves time, money, bearings and frustration.

- Pulls Hub Seals from Steer Axle, Drive Axle and Trailer Seals.
- No need for prybars, crowsfoot, screwdrivers or punches.
- Works with all major manufacturers seals Stemco, National, CR
- Heavy-Duty ductile iron construction.
- Leverage Arm delivers exceptional pulling power
- Even the most stubborn oil seals come off the hub cleanly, easily and fast.
- Saves time, every time.
- Pulls the entire seal, not just the rubber seal ring.

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Proudly Made in USA

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www.kienediesel.com • E-mail: info@kienediesel.com
Adjust Spicer Easy-Pedal clutches with one hand and one tool. How? The end of the tool is placed into the clutch inspection hole, with the socket positioned on the adjusting bolt. Depress and turn the tool to adjust the clutch. Simple - and it only takes one hand!

FEATURES:
- Precision “Z” bends make quick work of clutch adjustment.
- Two sockets accept “square” and “hex” style adjusting bolts.
- Long handle provides ample leverage to depress and turn the adjusting bolt in one motion.
- Prybars, two hands and several tools have been eliminated.

One hand, one tool.
A solid stand for diesel and gas engines to 5,000 lbs.
Gives the mechanic a safer, more productive working environment.

Provides a secure, stable support for the engine at a comfortable working height. Makes servicing and rebuilding far easier.

Minimizes the possibility of engine damage due to positioning and repositioning of the engine on work bench or floor. Keeps the engine and work area cleaner.

Lowers costs by reducing teardown and reassembly time. A 20% saving in time is typical.

**Design features**

- **Fast and easy positioning**
  2-Plane engine positioning (vertical and horizontal) provides a 360° swing radius and optimum engine accessibility. Hand crank with speed reducer makes positioning easy.

- **Solid working stability**
  Angled leg construction provides a steady stand and enables the mechanic to get closer to the work.

- **Great mobility**
  Moves easily on heavy-duty, 5” diameter casters. Brake mechanism enables mechanic to secure stand in place quickly.

- **Convenient work height**
  Makes engine rebuilding and servicing easier, faster and safer.

**Mobile Model 900**

The 900 Series Stand is equipped with a quadrant-gear drive providing 3-gear ratios for lifting the engine to a horizontal (engine flat) position where it can easily be rotated by hand and locked in one of four different positions.

The floor mounted or stationary version of the unit is supplied with a floor mounting plate suitable for permanent floor installation.

**Stationary Model 900s**
ENGINE MOUNTING PLATES

A large assortment of engine mounting plates are available for mounting various makes and models of engines as well as transmissions to the KIENE engine rebuild stand. They provide simple attachment to the engine using mounting pads and holes provided by the engine manufacturer, thus eliminating, where possible, removal of accessory equipment from the engine.

For applications not shown here, please consult the factory.

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<th>DETROIT DIESEL</th>
<th>MACK</th>
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Kiene Clutch Caddy

Improve shop safety...

...Prevent
✓ back injuries
✓ hernias
✓ crushed hands and feet

- Rugged compact design
- Easy to load
- Low profile allows the clutch to be moved easily under the truck
- Patented clutch head assembly swivels 360°
- Can pivot from a flat to upright position

Flywheel Adapter CC-2051
Driveshaft Adapter CC-2054
Starter Motor Adapter CC-2055
Auxiliary Case Adapter CC-2058
Differential Adapter CC-2057
Brake Drum Adapter CC-2056
Camelback Spring Adapter CC-2059
Clutch Caddy Riser Dolly CC-2060
Hendrickson Spring Adapter CC-2062
Ultrasift Clutch Adapter CC-2064

Caddy adapters make the Clutch Caddy the most versatile lifting, holding and positioning safety tool available
The Clutch Caddy takes the danger out of installing a heavy truck clutch.

Installing a heavy truck clutch is tricky. It must be maneuvered around all sorts of obstacles — air and fuel tanks, the transmission, frame rails, crossover lines...

The Clutch Caddy is the only tool with the flexibility to do this every time.

The exclusive Clutch Holder allows the clutch to swivel 360 degrees, giving it the flexibility to get past all obstacles — under extremely cramped conditions.

This is a key feature. Only the Clutch Caddy has it.

MADE IN THE U.S.A.

Caddy Adapters make the toughest shop jobs safe, easier and more cost efficient

Flywheel Adapter CC-2051
Handles pot-type and flat flywheels used with 14" and 15 1/2" clutches.

Driveshaft Adapter CC-2054
The Adapter supports the drive shaft under the main carrier bearing or on the shaft itself. Now, one mechanic can handle this cumbersome component.

Starter Motor Adapter CC-2055
The Starter Motor Adapter simplifies the removal and installation of heavy starters. Makes the job easier, faster and safer, too.

Auxiliary Case Adapter CC-2056
Remove the Auxiliary Case without removing the entire transmission — position the caddy and adapter under the auxiliary case, secure... unbolt... and lower away gears and all — its that easy.

Differential Adapter CC-2057
Removing and installing truck differentials (rear-rear) is a tough and dangerous job. The Clutch Caddy and its Differential Adaptor eliminate the manual lifting and lowering. Positioning the differential is easier, and the job is safer.
clutch handling and makes it a one man job!

The Kiene Clutch Caddy is designed to help the mechanic remove and install heavy truck clutches unassisted, in the confined drivetrain environment.

The Clutch Caddy minimizes the danger of back injuries, hernias, crushed fingers and fractured feet, by taking the lifting out of the mechanic's hands. Now, one mechanic can roll a heavy clutch under the truck, and safely raise, position and install it.

With the available adapters, the Kiene Clutch Caddy provides the shop with a unique lifting, holding and positioning device for a variety of heavy-duty tasks.

1. The clutch is loaded in a flat position with the Clutch Adaptor's splined shaft in the upright position.

2. Clutches can be assembled or disassembled piece-by-piece to avoid lifting the complete hard-to-handle component.

3. It's the only tool with a profile low enough (13") to allow the tool and the clutch to roll under the truck. The clutch can be loaded onto the Clutch Caddy next to the truck, not under it.

4. The clutch can be raised to a height of 39". The Caddy's ability to swivel 360° minimizes alignment problems.

5. An adjustment bolt on the clutch holder assembly aligns the shaft with the angle of the engine. The end of the splined shaft is drilled and tapped for a slide hammer. This feature is useful when removing the splined shaft from the clutch.

Clutch Caddy Adapters came from Clutch Caddy owners ideas!
See back panel for complete list

Brake Drum Adapter CC-2056

Camelback Spring Adapter CC-2059

Clutch Caddy Riser Dolly CC-2060

Hendrickson Spring Adapter CC-2062

Ultrashift Clutch Adapter CC-2064

Safely remove and install outboard and inboard brake drums. The Adapter mounts quickly on the Clutch Caddy. Simply position the Adapters' forks under the drum and lift... or lower! The unique pivoting and lifting feature permits precise alignment to prevent seal damage.

Finally... a safe, one-man method for changing camelback springs! Until now, there's never been an effective tool specifically designed for this task. The Camelback Adapter makes quick work of this job.

The Riser Dolly is the perfect clutch installation tool for shops with floor lifts. The steel base, with indexing and locking tubes, provides height adjustments from a minimum of 21" to a maximum of 76".

Removes and installs Hendrickson Springs quickly without injury to the mechanic. Using this easy loading adapter, the spring and cluch can be lifted from the floor or walking beam and moved as one complete unit. Kit includes Spring and Saddle Adapter and leg extensions.

Safely removes installs the .200 lb Eaton DM Clutch and makes it a one-person job. The kit consists of a new, longer alignment shaft and a set of leg extensions to minimize the risk of overturning the Clutch Caddy.
Order your KIENE Clutch Caddy and Adapters today!

CC-2000  Clutch Caddy including Adapter for 14 and 15-1/2" clutches with 2" shaft
CC-2050  Splined shaft 1-3/4" diameter x 1" pilot
CC-2051  Flywheel Adapter (14 and 15-1/2" clutches)
CC-2052  Splined shaft 1-3/4" diameter x .933" pilot
CC-2053  Splined shaft 1-1/2" diameter x .981" pilot
CC-2054  Drive Shaft Adapter
CC-2055  Starter Motor Adapter
CC-2056  Auxiliary Case Adapter
CC-2057  Differential Adapter
CC-2058  Brake Drum Adapter
CC-2059  Mack Camelback Spring Adapter
CC-2060  Clutch Caddy Riser Dolly
CC-2062  Hendrickson Spring Adapter
CC-2064  Ultrashift Clutch Adapter

Look to KIENE for quality products that make truck servicing faster, safer and more cost-efficient!

900 Engine Rebuild Stand  K-1280 Axle Shaft Remover  K-1295 Hub Oil Seal Remover  K-1311 & K-1312 Door Track Straighteners
BB5000 & BB5010 Brake Job Buddy  K-1210 JackSack Transmission Kit  K-1335 5P Wheel Lifter  K-1309 Spring Break 3rd Hand
K-1350  Hub Piloted Wheel Removers  WW-2000  K-1353 Tire Lifter

KIENE
DIESEL ACCESSORIES, INC.
325 S. Fairbank St., Addison, IL 60101
Ph: 1-800-264-5950 • 630-543-5950
Fax: 630-543-5953
www.kienediesel.com
e-mail: info@kienediesel.com
The Clutch Caddy DPF Adapter (Part number CC2066) is used to safely lift, hold and position DPF units of all shapes and sizes.

This adapter is number 16 in the lineup of Clutch Caddy adapters, making the Caddy one of the most versatile and cost-effective safety tools in the shop.

The CC2066 DPF Adapter Kit includes . . .

- 2” Load Hugger safety strap holds the load securely
- Heavy gauge steel tray supports DPF
- Matched set of ballistic nylon bags filled with polyethylene beads

The Clutch Caddy and its’ adapters make jobs safer — and more cost effective.
ULTRA SHIFT/DM CLUTCH ADAPTER - PART NUMBER CC2064

The CC2064 Adapter Kit includes a newly designed splined shaft and a set of leg extensions.

ULTRA SHIFT PLUS CLUTCH ADAPTER - PART NUMBER CC2065

14 Spline Alignment Shaft
Safely remove and install both inboard and outboard brake drums with the Clutch Caddy and new Brake Drum Adapter

Prevent injuries caused by heavy awkward lifting with the innovative CC-2058 Clutch Caddy Brake Drum Adapter. The adapter mounts on the Clutch Caddy quickly. Similar to a forklift, the adapter simply slides under the inboard or outboard drum to lift it. One tool does it all " there are no additional adapters to deal with. Plus the tool's unique pivoting and tilting feature allows for precise alignment to prevent seal damage.

- Prevents Injuries and Promotes Safety
- Easy to use forklift design
- Saves time and manpower
- Unique tilting & pivoting ability makes job easier
- Compact unit stores safely away when not in use

Remove outboard drums safely

Eliminate seal damage when installing inboard drums

Prevent back injuries, hernias, crushed fingers, smashed toes...

KIENE Equipment...
an investment in safety and productivity
Now, Hendrickson springs can be removed and installed quickly, without risking injury to the mechanic. Heavy and dangerous manual lifting is eliminated!

The CC2062 Hendrickson Spring Adapter continues in the line of adapters that make the Clutch Caddy the most versatile heavy-duty truck tool available!

What makes this adapter so special?
- Easy loading – the spring and saddle can be lifted from the floor or walking beam and moved as one complete unit.
- Labor costs are reduced - servicing springs becomes a “one man job”.
- Spring and Saddle Adapter can be removed from the Clutch Caddy and stored when not in use.

The CC2062 Kit ...

The CC2062 and the Clutch Caddy ...

The spring and saddle are handled as one piece!

- Safety and productivity are improved.
- Helps prevent back injuries, crushed fingers, hernias and smashed toes.
- Invented by fleet mechanic Jeff Meyer, developed and manufactured by KIENE.

KIENE Equipment ...
an investment in safety and productivity
Introducing the K-1210 JackSack™ Transmission Jack Kit

What Is The Problem With Transmission Jacks?

Today’s transmission jacks just don’t provide an easy, safe way to secure the transmission to the jack. Mechanics resort to shims, wedges, adapter brackets and other time consuming, ineffective methods to stabilize the transmission.

What’s the solution?
With the Kiene JackSack™ Kit on your jack, simply raise the jack to meet the transmission, secure the safety strap, and you’re ready to go.

The Idea - The JackSack Kit from Kiene, is an ingenious way to add versatility to any transmission jack. The concept came from a common-sense farmer and fleet service manager looking to make transmission removal easier and safer. He envisioned a bean bag on his transmission jack molding itself to the bottom of different types of transmissions and holding them securely in place. Kiene developed that idea to create the JackSack Kit.

The JackSack™ - Durable JackSacks act as a cradle, securely “hugging” and holding any size or shape transmission. The bread-loaf shaped bags can be positioned to fit a wide range of components. Each JackSack is made of durable, ballistic nylon to withstand years of tough use. The bags will not absorb oil or get slippery, and they clean up easily. Filled with hard polyethylene beads, the JackSacks mold to any shape transmission or component.

The Universal Mounting Tray - The large, slotted steel tray attaches easily to most transmission jacks in minutes with the provided hardware. Angled sides keep the JackSacks and transmission solidly in place.

The Strap - The 2” wide “Load Hugger” safety strap locks the transmission onto the jack. It snaps into place quickly and ratchets down to firmly hold the transmission.

What You Get With the JackSack™ Kit (K-1210 order number)
1- Universal mounting tray (Easily mounts to your transmission jack)
1- Matched set of ballistic nylon JackSacks
1- Load Hugger Safety Strap

The Kiene JackSack™ handles more than just transmissions. Think what it can do for you!

Made In The U.S.A.

KIENE Equipment ... an investment in safety and productivity
KIENE TIRE LIFTER SAFELY LIFTS MOUNTED TIRES
Lifting heavy tires is awkward and strains your back.

WHAT MAKES THE KIENE TIRE LIFTER A GREAT LIFTING TOOL.

- Perfect Safety tool for the shop or mobile maintenance vehicles
- Easily lifts 22.5 and 24.5 single tire and wheel assemblies
- Effortlessly lifts 300 lb. Super Single tire and wheel assemblies
- Makes lifting mounted tires a safe one man operation
- Take anywhere design
- Hang it on the wall when not in use
- Lightweight and portable - (Only 13 lbs.)
- Back Saver

Simple operation:
Unfold the hook and place it under the tire.
Pull the lever back and lift.
Quick, Simple and safe operation.

Folds into a nice compact 49" package

Perfect Tool for 455 Tires

Great safety tool for lifting mounted, heavy, super singles.

MADE IN THE U.S.A.
Heavy duty truck batteries are tough to handle. They’re heavy, awkward . . . and when they’re squeezed into a battery box, it’s tough to get a grip on them for lifting . . . and lifting by the terminal posts will damage the battery . . .

The K-1320 Battery Grip solves these problems! It makes heavy duty battery removal and handling safe and easy.

- Fits all heavy-duty truck batteries
- Compact design fits into tight spots
- Ergonomic handle for comfortable lifting and transporting
- Textured grippers and powerful, controlled squeeze provide a safe, secure grip
- Easy and quick to use . . . Clamp it on and you’re ready to lift!

Made in the U.S.A.

KIENE Equipment... an investment in safety and productivity
DT-1300
FUEL INJECTION
NOZZLE TESTER

Designed to test all types of diesel fuel injection components. The fuel injection pressures are measured on a high quality, 0-5000 psi gauge. The gauge is removable and interchangeable with gauges of different pressure ranges.
The nozzle tester can be quickly checked to insure its integrity through use of its "pump" and "gage" valves.
The standard fuel discharge fitting permits quick connection to various fuel system components.
Designed for use as a bench operated unit, or portable unit, with self-contained reservoir and carrying handle.

DESIGN FEATURES

1. RESERVOIR:
Holds 1/2 gallon of test fluid, provides carrying handle, housing for gauge protection, and a large, flat bottom surface for field stability.

2. GAUGE:
31/2 inch, direct reading, 0-5000 psi with 50 psi increments. Easily removed, with interchangeable gauges available.

3. PUMP AND HANDLE:
Precision pump mechanism and balanced pump handle, produces 1300 MM3 of fluid per stroke.

4. CONTROL VALVES:
"Gage" and "Pump" control valves permit testing of the nozzle tester to insure proper operation. "Gage" valve permits isolation of the gauge, and bleeding of the discharge line prior to the removal of the component being tested.

5. DISCHARGE FITTING:
Standard discharge fitting, 14 x 1.5 MM accommodates standard connector nuts and fittings.

ACCESSORIES

DT-4190
Carrying case provides storage for nozzle test pump, spare gauges and fittings and connectors.
For connectors, adapters, connector kits and special application equipment.

DT-6022
General purpose connector kit provides components required to connect most hydraulic type fuel injectors to nozzle testing equipment.
Connectors are double-threaded (Left and Right Hand) permitting quick connect/disconnecting to injectors.
Provided with a handy plastic carrying case for storage of connectors, adapters, and fittings.

KIENE Equipment...
an investment in safety and productivity

325 S. Fairbank Street, Addison, IL 60101
Phone: 1-800-264-5950 • 630-543-5950 • Fax: 630-543-5953
www.kienediesel.com • E-mail: info@kienediesel.com
KIENE 5th WHEEL LIFTER

Using kingpins and chains to lift 5th wheels is DANGEROUS... The KIENE 5th Wheel Lifter eliminates that DANGER!

The 5th wheel lifter is a tool idea that came to us from fleet mechanic Jerry Vaught. Kiene developed the idea and manufactures the SAFE method of lifting. - THE KIENE 5th WHEEL LIFTER!

FEATURES:

- Universal design works with all 5th wheels.

- Self-centering tool - Keeps 5th wheel level when removing or installing.

- Securely cradles the underside of the wheel for safe, secure lifting.

- Lifts wheel, even if jaws are locked.

- The Lifter is the only tool designed specifically to lift 5th wheels.
Mack rear engine mounting brackets are located on the transmission. Consequently, when the transmission is removed - so are the mounting brackets. The Mack Engine Support, invented by heavy-duty truck mechanic John Brasen, provides a safe and stable method of supporting the engine when the transmission is removed.

Openings straddle the heads of the oil pan fasteners.

Support Arms are height Adjustable.

Hex Flange Bolts

Support feet, securely straddle different width steer axles.

One key feature of the unit, is that the truck can be towed, with the transmission removed and the support in place.
QUICK AND EASY TO USE
... even under limited space conditions

- Saves setup time and gets the job done faster
  All you need to do is:
  - Remove the cap screws.
  - Screw in the alignment studs.
  - Place the cables around the universal and loop them into the tool plate.

  And you're ready for lift off!

- Prevents damage
  At no time does the puller push or pull on bearing surfaces. Eliminates damage to the U-joint and other costly components. As the cables are tightened, the tool eases the bearing assembly out of the yoke.

- It's safer to use
  Since the puller is securely bolted to the yoke and only pulls upon itself it provides slip-free operation. Tool slippage is a major contributor of injury in other universal joint pulling methods.

- Can be used for re-assembly, too!
  The K-2000 can be used to realign the bearing cap and to push it back in place. Eliminates hammering on the bearing assembly plate an possible damage.

The K-2000 U-joint tool is packaged in a metal storage box with three sets of alignment studs that fit most common yokes.

KIENE
MADE IN THE U.S.A.
DIESEL ACCESSORIES, INC.
325 S. Fairbank Street, Addison, IL 60101
Phone: 1-800-284-5950 • 630-543-5950 • Fax: 630-543-5953
www.kienediesel.com • E-mail: info@kienediesel.com

Equipment...
an investment in safety and productivity
FEATURES
APPLICATIONS:
THE S-1100 INJECTOR PULLER WILL PULL INJECTORS FROM
NAVISTAR 300 AND 400 SERIES
ENGINES, INCLUDING:
DT & DTA 466
DT & DTA 360

This tool's compact design saves time and money by removing injectors from all cylinders including the tight in-chassis applications.
The unique design of the S-1100 Puller saves more time by preventing accidental removal of the injector sleeve. This means that draining of coolant and replacement of sleeves is eliminated. No other puller works this way.
Simple rugged design is easy to use and will provide years of service.

INSTRUCTIONS
1. Remove fuel line from injector and push to side.
2. Slide S-1100 Puller down over injector with slot in body fitting over leak-off fitting on injector.
3. Fit base of body into top of injector sleeve. Make certain it is seated on the sleeve, not the cylinder head surface.
4. Thread screw onto injector fuel fitting - finger tight only.
5. Tighten forcing nut to pull injector from engine.

KIENE Equipment... an investment in safety and productivity
Kiene Diesel Accessories
325 S. Fairbanks St
Addison, IL 60101

(If you have a tool idea or a need for a tool - please share it with us, by filling out this form and returning it to Kiene Diesel - - - It could be a profitable experience!)

The invention described below, is submitted to Kiene Diesel Accessories on a non-confidential basis and its’ submission does not obligate Kiene in any way. I understand that after I have submitted my invention, Kiene will review my submission and decide whether to offer me an award or a royalty agreement to use the invention. If I do not enter into an agreement with Kiene, I understand that Kiene assumes no obligation. Any claim that I may have shall be based solely on patent rights that I might now have or may obtain on my invention.

The following is a brief description of my invention:

_________________________________________________________________________________________
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Other helpful information (Some of this might be repeated in your above statement but the more information we have will help expedite the process)

What is the function of the tool? __________________________________________________________
_______________________________________________________________________________________
What features make the invention unique or appealing? _________________________________________
_______________________________________________________________________________________
What benefits would you receive from using the tool? _________________________________________
_______________________________________________________________________________________

Continued on page - 2 -
Do you have a video or photo of the tool? **YES / NO**  
(If yes would you please include it, we will return it)

Do you have a working model / prototype? **YES / NO**

Do you have a patent? **YES / NO**

**Additional comments or sketch:**

---

Signature___________________________                                     Date_________________
Please Print Name____________________                                     Phone (    )_____________________
Address:___________________________                                     Email:________________________
City, ______________________________                                     _______________________
State_____ Zip______________________

Thank you for the provided information - Once we receive the completed form and have reviewed it, we will be contacting you. But if you have any questions before that time please give me a call.

Sincerely,
Geoff Craychee
Kiene Diesel Accessories

goeffc@kienediesel.com
(800) 264-5950