

ENERGY SUSPENSION[®]

Heavy Duty POLYURETHANE Components

30
1983 ENERGY SUSPENSION 2013
POURING PERFORMANCE FOR 30 YEARS



HYPER-FLEX[™]

Engineered For **X-TREME DUTY**



Company Overview

Energy Suspension, the world's leading manufacturer in original equipment and replacement polyurethane suspension components, has 30 years of experience engineering, formulating and manufacturing a wide selection of polyurethane products for specific applications. Combining state-of-the-art equipment and an experienced team of professionals, Energy Suspension develops and manufactures products for: the light, medium and heavy-duty trucking industries as well as for transit, railroad, air travel, performance automotive and off-road vehicles.

Our innovative designs have set untouchable industry standards as polyurethane continues to amaze the people who work with it. Energy Suspension designs, reengineers and then reformulates the polyurethane component for each specific application.

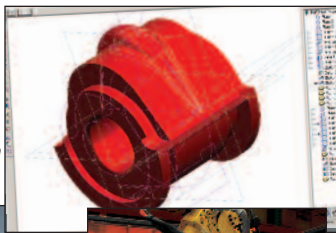
From the initial design stages of determining tolerances, formulations, durometers and fitment, through the molding processes, welding techniques, hardware selection and



packaging, Energy Suspension is a self-contained manufacturing unit with all work completed in-house to ensure quality components that our customers continue to demand. Energy Suspension is your first quality choice in providing quality, polyurethane products to meet your specific needs.



All products are engineered with computer aided designing (CAD).



CNC technology complements a complete machine shop.



Robotic manufacturing equipment for precise and reliable production.



Proprietary formulas and mold casting methods are part of the process.

In-house metal fabrication.



Private label packaging is available.



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When ordering- place a color code letter after the product part number. *Example: for a black 12" Power Band- order #90.9012G*

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All product and company names other than Energy Suspension are the trademarks or registered trademarks of their holders.



***One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED. For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog".**

Product Benefit Symbols



The symbols shown at left are placed throughout the catalog to assist in identifying product benefits quickly and easily.

Engineered For
X-TREME DUTY



More than twenty five years of formulating new polyurethane materials, innovative product designs and cutting edge engineering practices have established *Energy Suspension* as respected industry innovators.



Whether your custom molding requirements are 100 units or 100,000, we can address your particular needs with little or no tooling and set-up charges.

X-Treme Duty Polyurethane

HYPER-FLEX™

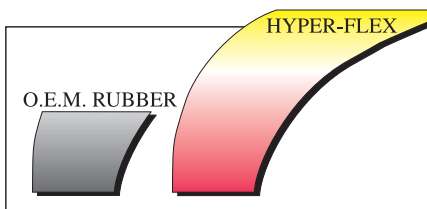
Thirty years ago, *Energy Suspension* introduced polyurethane suspension bushings to the automotive and light truck industries. Now, after being established as the premier manufacturer of polyurethane suspension components, *Energy Suspension* is proud to offer a superior material...**HYPER-FLEX™**. This material has proven to be far superior for parts now supplied to the commercial trucking, transportation (including rail and air), military and mining industries.

HYPER-FLEX™ polyurethane provides longer component life (3 to 10 times over rubber), cutting the cost of vehicle operation!

Energy Suspension bushing designs offer easier and faster installation procedures. Engineered with ease of installation in mind, they provide the benefit of a lower repair cost; compared to original equipment parts. In many cases the savings are

4 times the cost of O.E.M. part assemblies. Additionally, they improve vehicle performance and safety.

The cure for your bushing reliability and longevity problems is **HYPER-FLEX™** polyurethane by *Energy Suspension*.



LONGEVITY TESTING

Still proudly made in America.



Vehicle Types Served

Classes 1 & 2 LIGHT TRUCKS



- Emergency Vehicles
- Park & Recreation Vehicles
- Delivery Trucks & Vans, Work Trucks
- Road Service Vehicles

Classes 3, 4 & 5 MEDIUM TRUCKS



- Panel Trucks, Delivery Trucks
- Flat Bed & Stake Trucks

Class 6 LARGE TRUCKS



- Fire Trucks
- Construction & Off-Highway Vehicles
- Custom Rigs

Class 7 26,000 + lb. VEHICLES



- Sanitation Vehicles
- Custom Manufactured Vehicles

Class 8 33,000 + lb. TRUCKS



- Conventionals and Cabovers

LIMITED 2-YEAR WARRANTY

Energy Suspension warrants its products against defects in workmanship or material for 24 months, when used on Class 1 thru 8 trucks/vehicles. Products that have been abused, altered, or incorrectly installed are not covered. Product finish and normal wear are not covered. *Energy Suspension* will replace defective products, or component parts, if inspection by factory personnel determines the part to be defective. Warranty replacement covers only the product. Labor claims, time loss, or freight charges will not be honored.

NOTE: Colors, materials, components, specifications, and prices are subject to change without prior notice. We reserve the right to refer inquiries to established *Energy Suspension* Distributors.

PRINTING ERRORS: Every effort has been made to avoid printing errors in our catalog. We disclaim any responsibility for any application or specification errors.

Glad Hand Seals



Surfaces are carefully molded—to insure a quality seal.

- Millions On The Road Today
- Be Ready For Those Spot Safety Inspections
- Out-Dates Common Rubber Seals
- Revolutionary Product For The Application
- Color Coded In Red & Blue
- Impervious To Chemicals & Contaminants
- Will Not Rot Or Dry-Out

Glad Hand Seals

PATENT NO. 5240311

Never worry about spot safety inspections again and more importantly, drive more safely! Specified by most over the road carriers.

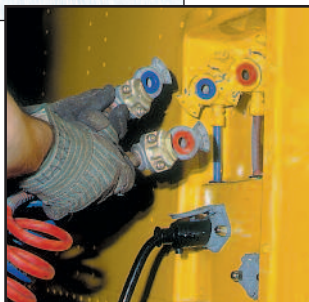
These revolutionary new **HYPER-FLEX™** polyurethane glad hand seals will never dry-out, rot, crack, or tear like rubber ones (especially with repeated day-to-day use!)

They are impervious to ozone, acids, road salts, oils, smog and other contaminants. They should be the last set you ever purchase. Millions are in use and "on the road" right now.

They are purchased in convenient matching **color pairs**, to help prevent accidental airline connections. Available in packages of 4 (2 red and 2 blue) or in bulk quantities.

Package of four- **No. 90.9002** Bulk- Please call.

HYPER-FLEX™



Glad Hand Seal Display & Easel

This counter top easel display is an excellent way to merchandise the most revolutionary new product to hit the heavy duty trucking industry in many years.

It measures 18" high by 12" wide and contains 24 packages of 4 color coded **HYPER-FLEX™** polyurethane Glad Hand Seals. It is also punched for hanging on a peg board hook. Hands down—our fastest selling product today! **No. 90.18101**



Replacement Hendrickson Style Walking Beam End Bushings

- For Extreme Duty Conditions When Needed
- Allows Worry Free Off-Road Vehicle Use
- Superior Material and Design Out Lasts O.E.M. Rubber Sets
- Will Not Dry Out And Crack Like Rubber
- So Unique—They Are Patented (#5,472,226)
- Installs Without Normally Required Heavy Tonnage Presses

Our Unique **HYPER-FLEX™** walking beam end bushings utilize a patented built-on thrust washer. Also unique, they are of a full floating design I.D. and O.D. design, thus eliminating any binding effect.

BOTH ENDS SHOULD BE SERVICED AT THE SAME TIME!

The special formula polyurethane is extreme-duty durable as well as being impervious to all the elements, such as road salt, vehicle oils, smog and ozone, that will commonly crack rubber.

The design allows for removal and replacement without the need of the normally required heavy tonnage presses.

Bushing are available in red or black.



PATENT NO. 5,472,226



FULL FLOATING DESIGN!

HYPER-FLEX™

NOTE: Set services one end of beam.

Hendrickson Style Walking Beam Bushing End Components

PART NO.	REPLACES	APPLICATION
90.3001	Hendrickson 6969, Ford TWAA 5873A, Euclid E1340, Navistar 124865R1, White GMC 498417, GMC 2325973	340 Series (5 1/4" OAL)
90.3002	Hendrickson 45900, Ford B8QH5873A, Navistar 124892R1, GMC 2359281, White GMC 452836 Euclid E1341A	380, 400, 460 Series (5 3/4" OAL)

After part number- add G for black or R for red.

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED. For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog".



ENERGY SUSPENSION

Torque Rod Bushings



- **Prevents Costly Arm Replacement**
- **Potential Down Time is Reduced**
- **Out-Lasts Rubber 3 To 4 Times**
- **Designed to be Full-Floating & Non-Binding**
- **A Must for Applications Where Greater Suspension Travel is Required**

COMPLETE O.E.M. Torque Rod End Replacement Application Data

Components Containing Rod Cross Pins Shown Below- Pins are made of high quality steel, and are completely CNC machined to factory specifications. They are zinc plated to resist corrosion and rust.

After part number- add **G** for black or **R** for red.

Torque Rod Bushing With Steel Pin

Part No. 90.7023
One per package.
Replaces
Hendrickson #44695
Clevite #22720,
Euclid #E2226 (rubber),
Euclid #E7639 (poly),
Includes Pin- See
#90.7025 for pin specs.
Bushing O.D. (Rod I.D.)
2.75" (Installs with tool
Energy's #95.9009G)



Part No. 90.7024
One per package.
Replaces
Hendrickson #44694
Clevite #22710,
Euclid #E2225 (rubber),
Euclid #E7638 (poly),
Includes Pin- See
#90.7025 for pin specs.
Bushing O.D. (Rod I.D.)
2.53" (Installs with tool
Energy's #95.9008G)



Torque Rod Cross Steel Pin (only)

Part No. 90.7025
One per package.
Works With
90.7001, 90.7008
Steel Pin O.D. 1.95"
Hole Center to Center 4.375"
O.A.L. 5.625"
Mounting Hole Dia.
.655" (accepts 5/8" bolts)



Arbor Press

Everything you need to re-bush torque rods at a fraction of the cost of O.E.M. replacement rods!!!

ONLY- **\$99.00!** Includes 3 ton arbor press and all adapters. (Does not include shipping- 170 lbs.)

No. 95.9002G



Superior Material Bushings

Aside from **HYPER-FLEX™** polyurethane torque arm bushings being of superior material than O.E.M. rubber, it also has greater longevity from an improved design. It is full-floating and non-binding, which all but eliminates unwanted and all too common tearing forces. Being full-floating and non-binding is especially important on air ride applications where there is much greater suspension travel. A must for severe off-road conditions! **HYPER-FLEX™** bushings cost about 1/3rd the price of a new arm fitted with rubber and will last 3 to 4 times longer. So if you're tired of the old-fashioned rubber bushings cracking and splitting-out after a short time in service and tired of having to purchase an entire new torque arm when the rubber fails, *here is the alternative!*

Installed with a light-duty shop arbor press or vice (see next page). Several sizes are available to fit most applications. Available in red or black.



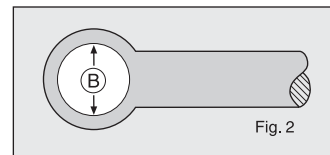
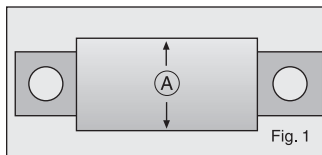
UNIVERSAL Torque Rod Replacement Bushing Application Data (Two per package.)

HYPER-FLEX™ polyurethane bushing sets are available for **Hendrickson** universal rubber bushing torque rods, torque rods used on **Kenworth** "Glide Ride" and "Air Ride", and **Navistar** "Corporate" air ride suspensions.

Bushing sets include: two bushings and service one complete torque rod assembly.

NOTE: Due to differences found among aftermarket torque rods (O.D. of pins and I.D. of rod end eyes), referring to specifications noted below will assure correct application of the replacement polyurethane bushings. *Disassembly of torque rod may be required to determine pin and rod end diameter.*

To Determine The Proper Torque Rod Bushing Set- MEASUREMENTS MUST BE TAKEN. See Drawings Below:



"A" PIN O.D.	"B" ROD END I.D.	PART NO.
1.312"	1.877"	90.7003
1.687"	2.53"	90.7011
1.95"	2.53"	90.7001
1.95"	2.75"	90.7008
2.125"	2.75"	90.7002

After part number- add **G** for black or **R** for red.

Tool Sets

Although not required to install torque rod bushings, these tools will assist in ease of installation.

No. 95.9007G

Services set no. 90.7003 only.

No. 95.9008G Services set no. 90.7001 & 90.7011 only.

No. 95.9009G Services set no. 90.7002 & 90.7008 only.

No. 95.9004G Torque Rod Install Tool Set. A complete set that services all bushings on this page.



Winner of
Professional Tool
and Equipment
News Innovation
Award.
May/June
2001 Issue.

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X-TREME DUTY

At the end of the part numbers- add **G** FOR BLACK or **R** FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."



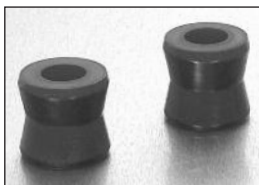
Replacement Shock Absorber Bushings and Grommets

- **Replacement Shock Absorber Bushings Made Of Durable HYPER-FLEX™**
- **Replace That Weak Link In The Shock System**
- **Smart To Install With New Shocks Or Old**

A shock absorber is only as good as its support bushings! They are also too expensive to just mount with inferior rubber



90.8003 (Bulk 90.8004) 1" ID
90.8007 (Bulk 90.8008) 3/4" ID



90.8011 (Bulk 90.8012)



90.8009 (Bulk 90.8010)



90.8005 (Bulk 90.8006)

HYPER-FLEX

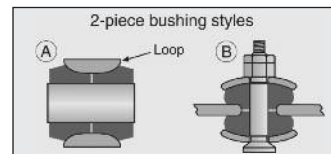


bushings that soon will crack, rot, dry-out, pound-out and permanently compress!

HYPER-FLEX™ polyurethane is especially important to use with air ride suspensions where the stem type mounts get a severe pounding. And, it is impervious to transmission, anti-freeze and other vehicle fluids as well as ozone, road salt, etc. that can destroy ordinary O.E.M. rubber.

It's a great idea to specify them on your next new vehicle or fleet. Eliminate the worry of worn out shock bushings from your annual inspections!

Available in red or black.



For Truck Classes 1 thru 8

APPLICATION	CONTAINS	SET NO.
A 1/2 hourglass 1 3/4" OD 1" ID	4 X A style	90.8003
A 1/2 hourglass 1 3/4" OD x 1" ID,	2 X A style,	90.8005
B 2 piece stem type (common on Air-Ride)	2 X B style	
A 1/2 hourglass 1 3/4" OD x 3/4" ID	4 X A style	90.8007
A 1/2 hourglass 1 1/2" OD x 3/4" ID	4 X A style	90.8009
full hourglass 1 1/2" OD x 3/4" ID	2 per set	90.8011
same spec. 90.8003 (BULK)	72 per box	90.8004
B stem style (BULK)	50 per box	90.8006
same spec. 90.8007 (BULK)	72 per box	90.8008
same spec. 90.8009 (BULK)	72 per box	90.8010
same spec. 90.8011 (BULK)	36 per box	90.8012

After part number- add **G** for black or **R** for red.

For Truck Classes 1 thru 2

Energy's **HYPER-FLEX™** performance polyurethane shock bushings give any shock maximum efficiency while extending its life. They last forever and add to the performance of every shock, giving instant response and control to the suspension.

After part number- add **G** for black or **R** for red.

9.8116 Fits standard straight eye 5/8" I.D., 1 1/16" O.D., 17/16" long. 2 bushings per set.	9.8107 Fits standard hourglass shaped eye 5/8" I.D., 1" min./1 1/8" max. O.D., 17/16" long. 2 bushings per set.	9.8111 Fits Chrysler style straight eye 3/4" I.D., 1 1/4" O.D., 1 5/8" long. 2 bushings per set.	9.8109 Fits large race hourglass shape 3/4" I.D., 1 1/4" min./1 3/8" max. O.D., 1 5/8" long. 2 bushings per set.	9.8113 Half bushings for hourglass style. 5/8" I.D., 1" min./1 1/8" max. O.D., 1 1/16" long. 4 halves per set.	9.8101 Fits shock tower (bayonet end style) 7/8" nipples. 3/8" I.D., 1 1/4" O.D., 5/8" thick. 4 grommets per set.	9.8126 Fits shock tower (bayonet end style) 5/8" nipples. 3/8" I.D., 1 1/4" O.D., 5/8" thick. 4 grommets per set.
9.8140 Fits standard straight eye 3/4" I.D., 1 1/16" O.D., 1 9/16" long. 2 bushings per set.	9.8108 Fits standard hourglass shaped eye 3/4" I.D., 1" min./1 1/8" max. O.D., 17/16" long. 2 bushings per set.	9.8112 Fits Chrysler style straight eye 5/8" I.D., 1 1/4" O.D., 1 5/8" long. 2 bushings per set.	9.8110 Fits large race hourglass shape 1 1/16" I.D., 1 1/4" min./1 9/16" max. O.D., 1 5/8" long. 2 bushings per set.	9.8142 Half bushing style for large race hourglass. 5/8" I.D., 1 3/16" min./1 7/16" max. O.D., 1 3/16" long. 4 halves per set.	9.8145 Fits large shock tower (bayonet end style) 15/16" nipples. 9/16" I.D., 1 7/8" O.D., 15/16" thick. 4 per set.	9.8104 Fits shock tower (bayonet end style) 5/8" nipples. 3/8" I.D., 1 1/8" O.D., 5/8" thick. 2 grommets per set.
9.8141 Fits standard straight eye 5/8" I.D., 1 1/8" O.D., 1 1/4" long. 2 bushings per set.				9.8143 Half bushing style for large race hourglass. 3/4" I.D., 1 1/4" min./1 1/2" max. O.D., 1 3/16" long. 4 halves per set.		9.8146 Fits shock tower (bayonet end style) 5/8" nipples. 3/8" I.D., 1 1/4" O.D., 7/8" thick. 4 grommets per set.
9.8147 Fits half of standard straight eye (half of 9.8116 bushing shown above) 5/8" I.D., 1 1/16" O.D., 3/4" long. 4 bushings per set.						9.8144 Fits shock tower (bayonet end style) 5/8" nipples. 3/8" I.D., 1 3/8" O.D., 15/16" thick. 4 grommets per set.



ENERGY SUSPENSION

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Specific Vehicle Listings

Components For Beal Trailer

Hinge Bushings for Beal Trailer

Part No.
37.3006

Two per
package.

Serves one
hitch.

Replaces
Beal Trailer

O.D. 4 1/2"
I.D. 2 1/2"
Length 4"



Components For Cambria

Tie Leaf Bushings For TSA-100 Suspension

Part No.
90.7007

One set
per package
as shown.

Replaces One Pair
Cambria #R1011-AC,
Batco #09-7912

Bushing Small O.D. 1 1/2"
Sleeve I.D. 7/8"
Sleeve Length 5.28"



HYPER-FLEX™ polyurethane is especially important to use for tie leaf bushings for off-road conditions, where greater suspension travel is required. Available in red or black.

Components For Chalmers

Radius Rod Bushings

Part No.
90.7026

One per
package.

Requires
four per rod.

Replaces
Chalmers #22128



Part No.
90.7027

One per
package.

Requires
four per rod.

Replaces
Chalmers #80010



HYPER-FLEX™ out-lasts rubber many times over, thus reducing valuable down time. Get more mileage from your vehicle's suspension!



**INCREASES
LONGEVITY**



**IMPROVES
HANDLING**



**SMART TO
REPLACE**



**LOWERS
OPERATION
COSTS**



**TIME
SAVER**



**INCREASES
TIRE LIFE**

Components For Clevite

O.E.M. Torque Rod End

Replacement Application Data (One per package.)

Components Containing Rod Cross Pins Shown Below- Pins are made of high quality steel, and are completely CNC machined to factory specifications. They are zinc plated to resist corrosion and rust.

Torque Rod Bushing With Steel Pin

Part No.
90.7023

One per
package.

Replaces
Clevite #227720,
Hendrickson #44695,
Euclid #E2226 (rubber),
Euclid #E7639 (poly)

Includes Pin- See
#90.7025 for pin specs.

Bushing O.D. (Rod I.D.)
2.75" (Installs with tool
Energy's #95.9009G)



Part No.
90.7024

One per
package.

Replaces
Clevite #227710,
Hendrickson #44694,
Euclid #E2225 (rubber),
Euclid #E7638 (poly)

Includes Pin- See
#90.7025 for pin specs.

Bushing O.D. (Rod I.D.)
2.53" (Installs with tool
Energy's #95.9008G)



For Universal Torque Rod End Bushings- see page 5.

Tool Sets For Torque Rod Bushings

Torque Rod Bushing
Install Tool Sets-
see Page 5
for applications.



Arbor Press

Arbor Press
(for torque rod
installation)-
see Page 5.



Engineered For

X-TREME DUTY

At the end of the part numbers- add **G FOR BLACK** or **R FOR RED**.
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Components For Crown Coach

Suspension Bushing

Part No.
90.2135
One per
package.

Replaces
Crown Coach
#3522-18,
Euclid #E7429

O.D. 2 1/4"
I.D. 1 1/4"
Length 2 1/2"



Shock Bushings- see page 6

Components For Dodge Motorhome

Sway Bar Bushings

Part No.
90.5001
Two per
package.

Hole Diameter
1 7/16"

Replaces
Common
replacement
in motorhomes
including:
Dodge,
John Deere,
Winnebago
and others.



Part No.
90.5002
Two per
package.

Hole Diameter
1 5/8"

Replaces
Same as above.

Get better handling—that lasts longer!
HYPER-FLEX™ polyurethane bushings are formulated to take the heavy torque and suspension travel abuse placed upon them—without excessive deflection.



Shock Bushings- see page 6

Components For Elgin

Spring Roller Assembly

Part No.
90.6007
Package
includes
one bushing
and hardware.

Replaces
Elgin Eagle
Street Sweepers

O.D. 3 1/4"



Components For Fabco

Farm Equipment Bushing

Part No.
39.3001
Services one
position.
Must reuse
original
outer shell.

Replaces
Clevite #61003

O.D.
2 3/16"
Sleeve I.D.
7/8"
Length
2 1/2"



Components For Fontaine Fifth Wheel

NEW

Bushings for Fifth Wheels

Part No.
90.4005
Two per
package.

Replaces
Fontaine BSH-150,
GAFF #10002,
Euclid #E-7445

O.D. 4"
I.D. 1 1/4"
Height 2 1/4"



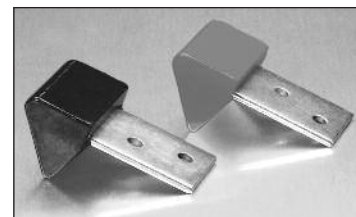
Components For Ford

Hood Rest

Part No.
40.6001
One per
package.

Replaces
#E4HZ-16758-B

Application
Ford medium duty
1984 & up



Motor Mount

Part No.
36.1001
One per
package.

Replaces
Ford #DOHA-6068-B,
#DOHZ6068B,
Euclid #E-8918,
Navistar #503579C1,
Volvo-White #12004-0007



This motor mount can resolve the problem of O.E.M. mounts that are of a bonded design—which are prone to ripping and tearing! This new non-bonded design mount can resolve this. Made with X-treme Duty **HYPER-FLEX™** polyurethane.



Spring Axle Cushion

Part No.
36.6001
One per
package.

Application
All Ford trucks with
hydraulic brakes

Length 4 1/2"
Width 1 11/16"
Height 3/4"



Does
not
include
bracket.

Walking Beam End Bushings

Part No.
90.3001
Package
includes
three parts
as shown.
Services one
end of beam.

Replaces
Ford #TWA
A5873A,
Euclid #E1340

Application
340 Series
(5 1/4" OAL)

Part No.
90.3002
Package
includes
three parts
as shown.
Services one
end of beam.

Replaces
Ford #B8QH5873A,
Euclid #E1341A

Application
380, 400, 460
Series (5 3/4" OAL)



Torque Arm Bushings- see page 5.





Components For Freightliner

Torque Rod Bushings For FH34

Part No.
90.7009

Two per
package.

Replaces
One Pair
Freightliner
#R16-11351,
Euclid #E3296,
Batco #9-6580

O.D. Taper
I.D. 1 3/8"
Length 1 3/16"



NEW

Motor Mount

Part No.
34.4001

One mount

Replaces
Freightliner
LOR SS #3310018
LOR SS #3310017
J6198-2
GAFF #11018
3/4" Bolt



NEW

Cab Mount

Part No.
34.4002

One complete
mount

Replaces
Freightliner
#681-890-0001 &
#681-891-0001
GAFF #11008 &
#11009



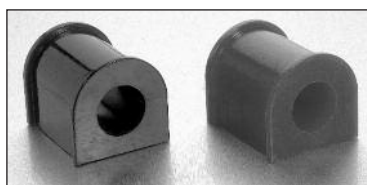
NEW

Sway Bar Bushings

Part No.
41.5002

One mount
per package
Requires two
per vehicle

Replaces
Freightliner



Shock Bushings- see page 6

Components For Fruehauf

Torque Rod Bushings

Part No.
44.7001

Replaces
Fruehauf
#UXA.000011,
Euclid
#E7433 (poly),
#E927 (rubber)
GAFF #13000

O.D. 2 3/16"
I.D. 1 1/4"



Part No.
90.7005

Two bushings
per package.
Services one
rod end.

Replaces
Fruehauf
#ULA3754,
Euclid #E934

O.D. 1 3/4"
I.D. 1"
Length 3"



Replaces O.E.M.
bushing as shown.

Components For Fruehauf (continued)

NEW

Equalizer Bushing

Part No.
44.3001

One per
package.

Replaces
Fruehauf #VXA-0004
Euclid #E1020, #E7432
Atro #PL1084
GAFF #13005



Trunnion Bushings

Part No.
44.2001

One per
package.

Replaces
Fruehauf
#UXA000160

O.D. 5"
I.D. 4"
Length 8 5/16"



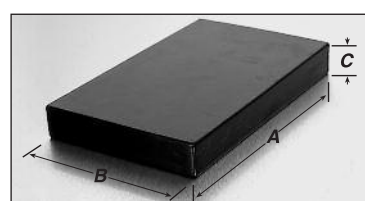
Spring Pads

Part No.
90.6013

One per
package.

Replaces
Fruehauf
UCD #5635-1

Length A 7 5/8"
Width B 4 3/4"
Height C 1"



Components For Gillig

End Bar Bushings

Part No.
90.8014

Replaces
Gillig
#55-14334-00
Style One Piece



Part No.
90.8015

Replaces
Gillig
#55-14334-00
Style Two Piece



Fan Bracket Mount

Part No.
41.4001

Replaces
Gillig
#56-09703-002



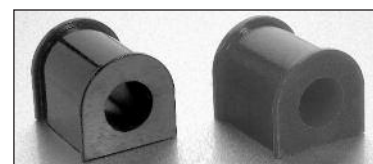
Sway Bar Bushings

Part No.
41.5001

One per
package.
Two per
vehicle.

Replaces
Gillig
#55-09894-00

Width 3"
Hole Diameter
1 3/4"



Engineered For

X-TREME DUTY

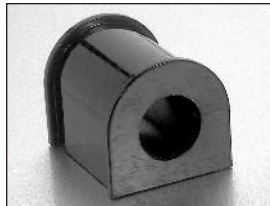
Components For Gillig (continued)



Gillig Phantom

Part No.
41.5002
One per
package.
Two per
vehicle.

Width 3"
Hole Diameter
1 5/8"



Components For GMC

Front Control Arm Bushing Set

Part No.
3.3181
Services all
front control
arms.
NOTE- must
reuse all OEM
hardware.

Replaces
GMC 1972-78
Motorhome
Front Control
Arm Bushings



Radius Rod Bushing Set

Part No.
35.7002
Package
includes items
as shown.
Requires two
per rod.

Replaces
GM #723330 and #12J-1-26,
Clevite #69294

Application
Bushing fits radius arm
with 1.92" width.



Part No.
35.7004
Package
includes items
as shown.
Requires two
per rod.

Replaces
GM #723330 and #12J-1-26,
Clevite #69294

Application
Bushing fits radius arm
with 2.030" width.

Sway Bar Bushing Set For GM P-30 Series

Part No.
3.5160
Package
includes six
items as
shown.

Replaces
GMC P-30

Application
Independent
Suspension

Hole Diameter 1 3/8"



Part No.
3.5148
Package
includes four
items as
shown.

Replaces
GMC P-30

Application
Straight Axle
Suspension

Hole Diameter
1 3/4"



HYPER-FLEX™ polyurethane out-lasts rubber many times over, which reduces down time! These radius rod bushings can be installed in the field without special tools.



Shock Bushings- see page 6

Components For GMC (continued)

Torque Rod Bushing

Part No.
35.7001
Four bushings
per package.
Set services
one rod.

Replaces
GMC #700701

Application
GMC 4104, 4106,
4107, 4903, 4905,
4905A
O.D. 1 3/4"
I.D. 1"
Length 3"



Components For Hendrickson

Walking Beam End Bushings

Part No.
90.3001
Two bushings
and one sleeve
per package.
Services only
end of beam.

Replaces
Hendrickson
#6969,
Euclid #E1340,
Ford TWAA
#5873A,
GMC #2325973,
Navistar #124865R1,
White GMC #498417

Application
340 Series
(5 1/4" OAL)



Part No.
90.3002
Two bushings
and one sleeve
per package.
Services only
end of one
beam.

Replaces
Hendrickson #45900, Euclid #E1341A, Ford #B8QH5873A,
GMC #2359281, Navistar #124892R1, White GMC #452836

Application
380, 400, 460 Series (5 3/4" OAL)



Spring Roller Assembly

Part No.
90.6005
Package
includes
one bushing
and hardware.

Replaces
Hendrickson #48883,
TRW #334-527,
Euclid #E3736

O.D. 2 1/6"
I.D. 2"
Length 3"



Shock Bushings- see page 6 Torque Arm Bushings- see page 5

Pivot Bushing

Part No.
90.3009
Two bushings
per set.

Replaces
Hendrickson
#004931

Part No.
90.3007
Two bushings
per set.

Replaces
Hendrickson
#7050



HYPER-FLEX™ polyurethane out-lasts rubber many times over—which reduces down time! They can be installed in the field without special tools.



**ENERGY
SUSPENSION**

*One per package, all others—two per package. After part number— add **G FOR BLACK** or **R FOR RED**.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."



Components For Holland

Bushing For Fifth Wheels

Part No.
90.4003
One bushing
per package.

Replaces
Holland #XB-1604-5
I.D. 1 1/8"
O.A.L. Length 4 1/4"



Bushing For Fifth Wheels

Part No.
90.4004
One bushing
per package.

Replaces
Holland
#XB-0011-2
I.D. 1 1/8"
O.A.L. 4 1/4"



Part No.
90.4007
One bushing
per package.

Replaces
Holland
#XB-0011,
GAFF #18215
I.D. 1 1/8"
O.D. 2"
O.A.L. 4 1/4"



Components For Hutchens

Equalizer Bushing

Part No.
43.3002
Package
includes one
bushing and
two sleeves.

Replaces
Hutchens
#H7010-00,
Euclid #E1988A

Services one
equalizer.

For Models
#H7600, #H7700,
#CH7600, #CH7800
Bushing Small O.D.
3 1/4"
Sleeve Length
3 7/8"



Spring Pad

Part No.
90.6010
One pad
per package.

Replaces
Hutchens
#814-00

Length A 5"
Width B 2 7/8"
Height C 7/8"



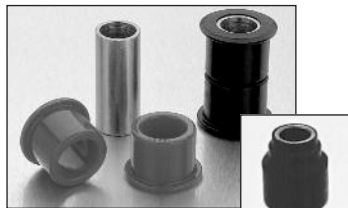
Torque Rod Bushing For H7700

Part No.
90.7005
Two bushings
and one
sleeve per
package.

Replaces
Hutchens #H722,
Euclid #E934,
Fruehauf
#ULA 3754

Services one
rod end.

O.D. 1 3/4"
I.D. 1"
Length 3"



Replaces
O.E.M.
bushing as shown.

Components For Hutchens (continued)

Trunnion Bushing

Part No.
43.2001
One per
package.

Replaces
Hutchens
#890-00

O.D. 5"
I.D. 4"
Length 9 3/8"



Components For Kenworth

Air Ride Bushings

Part No.
32.5001
One bushing
per package.

Replaces
Kenworth #K066-405
O.D. 3"
I.D. 2 1/16"
Length 2 13/16"

Part No.
32.5002
One bushing
per package.

Replaces
Kenworth #K066-058,
#K066-293, #KX066-293,
#CA293, #K066-449
O.D. 2 57/64"
I.D. 1 15/16"
Length 4"



Battery Box Bushings & Washers

Part No.
32.9001
Two per
package.

Bushings Replace
Kenworth #K4023KW,
Euclid #E7458,
Severson #A70BL1120
Diameter 1 1/2"
Height 3/4"
Hole Diameter 3/8"



Part No.
32.9002
Two per
package.

Washer Set Replaces
Kenworth #K366-474,
Euclid #E7459,
Severson #A75BK1089
Diameter 1 1/2"
Height 3/16"
Hole Diameter 3/8"



Cab Mount- Rear

Part No.
32.4103
One per
package.

Replaces
Kenworth #M601-70NR,
GAFF #11520

Fits-Frame
I.D. 5/8"
Fits-Thick Bucket



Part No.
32.4102
One per
package.

Replaces
Kenworth M600,
#K066-176,
Euclid #E7462



After intensive in-house and real world testing on formulas and designs, Energy has released the Extreme Duty polyurethane bushing for Hutchens. It has all the right characteristics required for this particular application: both flexibility and load-bearing properties.



Engineered For

X-TREME DUTY

Shock Bushings- see page 6

At the end of the part numbers- add **G FOR BLACK** or **R FOR RED**.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Components For Kenworth (continued)

Hood Hinge Bushings

Part No. 32.4002
Replaces Kenworth #M300-70NR
Services one position.



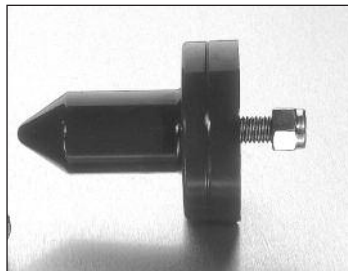
Hood Roller

Part No. 32.6001
One roller per package
Replaces Kenworth #K066-360
O.D. 1.125"
I.D. .625"
Length 1.5"



Hood Support Bushings

Part No. 32.4001
One per package.
New style must reuse original bracket.
Replaces Kenworth #K179D450, Euclid #E7476



Motor Mount- Front

Part No. 32.1104
Two piece bushing and one sleeve per package.
Replaces one mount.
Replaces Kenworth Motor Mount #K066-229 or #M700



Part No. 32.1102
Two piece bushing per package.
Replaces one mount.
Replaces Kenworth Motor Mount #K066-283, #M501-70NR



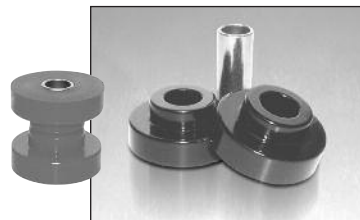
Transmission Mount

Part No. 32.1101
One per package.
Replaces Kenworth Transmission Mount #K174-555, Euclid Transmission Mount #E7470 (Poly)



Radiator Mount

Part No. 32.4101
Two bushing and one sleeve per package.
Services one position.
Replaces Kenworth #M500-70NR, #K066-177, Euclid #E7471



Radiator Tie Rod Bushing

Part No. 32.4003
One per package.
Replaces Kenworth #K264-84



Motor Mount- Rear

Part No. 32.1103
Three piece mount services one position.
Replaces Kenworth Motor Mount #K066-282



NEW
Part No. 32.1105
Three piece mount services one position.
Replaces Kenworth Motor Mount #M506-70NR GAFF #11539 Atr #PL1012



NEW
Part No. Call for part #
Set of two complete mounts (up & lower)
Replaces Kenworth Motor Mount #K066-377, #K066-421 T600 rear mount GAFF #11540 & #1541 Atr #KT59-62002



Air Cooler Bushings

NEW
Part No. 90.9056
Replaces Kenworth Motor Services one Position



Shock Bushings- see page 6 Torque Arm Bushings- see page 5

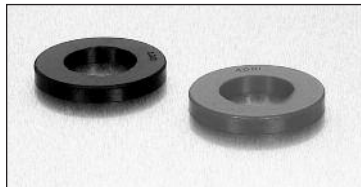


Components For Mack

Cab Mount- Lower

Part No.
31.4101
One per
package.

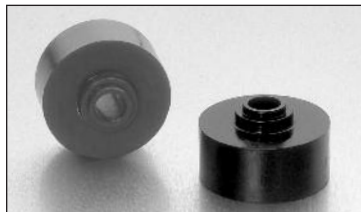
Replaces
Mack
#20QL1144



Cab Mount- Upper

Part No.
31.4102
One per
package.

Replaces
Mack
#20QL250



Motor Mounts

Part No.
31.1101
Two bushings
and one sleeve
per set.

Replaces
Mack
#20QL1118A



Radiator Mounts

Part No.
31.4103
One per
package.

Replaces
Mack
#20QL231P5



Part No.
31.4104
One per
package.

Replaces
Mack
#20QL295A
GAFF #12032

Accepts
1/2" or 9/16"
bolts



Trunnion Bushings

Part No.
31.2001
One bushing
per package.

Replaces
Mack
#310QK219P1

O.D. 4 11/16"
I.D. 3 7/16"
Length 5 9/16"

Part No.
31.2002
One bushing
per package.

Replaces
Mack
#10QK219P2

O.D. 4 11/16"
I.D. 3 7/16"
Length 6 9/16"



Components For MCI

Radius Rod Bushings

Part No.
35.7001
Four per
package.

Set services
one rod.

Replaces
MCI,
Universal Coach

Application
MCI, MC-1,
MC-5, MC-7,
MC-8, MC-9



Radius Rod Bushing Set

Part No.
35.7002
Package
includes items
as shown.
Requires two
per rod.

Replaces
Clevite #69294,
GM #723330
and #12J-1-26

Application
Bushings fits radius arm
with 1.92" width.

Part No.
35.7004
Package
includes items
as shown.
Requires two
per rod.

Replaces
Clevite #69294,
GM #723330
and #12J-1-26

Application
Bushings fits radius arm
with 2.030" width.



Shock Bushings- see page 6

Engine Mount

Part No.
90.1109
One per
package.

Replaces
#682692
#682692CG

Length A 5 1/4"
Width B 4 5/8"
Height C 13/16"



Replacement Components-Meritor

Part No.
90.3008
One per
package.

Replaces
#1225-Z-1378

Part No.
90.3010
One per
package.

Replaces
#1225-R-1370



Shock Bushings- see page 6. Torque Arm Bushings- see page 5.

Shock Bushings- see page 6. Torque Arm Bushings- see page 5.

Components For Navistar

Cabover Hinge Bushings

Part No. **90.4006**
One per package.
Replaces
Navistar
#987395R1
O.D. 1 5/8"
I.D. .740"
Length 1 3/16"



Motor Mount

Part No. **36.1001**
One per package.
Replaces
Navistar
#50357901,
Euclid #E-8918,
Ford
#DOHA-6068-B,
Volvo-White
#12004-0007



Walking Beam Bushing End Components

Part No. **90.3001**
Package includes three parts as shown. Set services one end of beam.
Replaces
Navistar
#124865R1,
Euclid #E1340
Application
340 Series
(5 1/4" OAL)

Part No. **90.3002**
Package includes three parts as shown. Set services one end of beam.
Replaces
Navistar
#124892R1
Application
380, 400,
460 Series
(5 3/4" OAL)



INCREASES
LONGEVITY



IMPROVES
HANDLING



SMART TO
REPLACE



LOWERS
OPERATION
COSTS



TIME
SAVER



INCREASES
TIRE LIFE

The symbols shown above are placed throughout the catalog to assist in identifying product benefits quickly and easily.

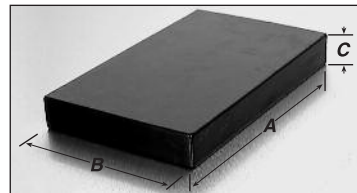
Engineered For
X-TREME DUTY

Shock Bushings- see page 6. Torque Arm Bushings- see page 5.

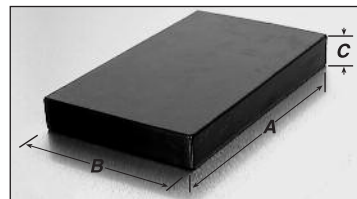
Components For Neway

Spring Pads

Part No. **90.6011**
One pad per package.
Replaces
Neway
#91028089
Length A 5 1/4"
Width B 4 5/8"
Height C 13/16"



Part No. **90.6012**
One pad per package.
Replaces
Neway
#91028013
Length A 5 1/8"
Width B 4 5/8"
Height C 5/8"



Trailing Arm Pivot Bushing

Part No. **42.7001**
One per package.
Replaces
Neway
#90008139,
Euclid #E4382A

Application
AR-41, 70, 75,
90, 95 and
ART-500-B



Free-floating and non-binding design, eliminating excessive deflection and wear. Improves the life expectancy of Neway suspensions, decreasing down time and increasing owner profits! Made with X-treme Duty **HYPER-FLEX™** polyurethane.

Trunnion Bushing

Part No. **42.2001**
One per package.
Replaces
Neway
#91008022
O.D. 5"
I.D. 4"
Length 8 3/4"



Unique O.E.M. design, in that they're crushed into place and forced to deal with constant twisting and flexing.

HYPER-FLEX™ polyurethane can withstand this constant pounding and twisting that occurs during normal operation.



Components For Page

Trunnion Bushing

Part No. **90.6020**
One per package.
Replaces
Page
#X100-4782

O.D. 4 1/2"
I.D. 3 1/2"
Length 4"



**ENERGY
SUSPENSION**

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Components For Peterbilt

Bump Stop- Front Axle

Part No.
30.6012
One per
package.

Replaces
Peterbilt
#02-00184

Application
359
Conventional



Motor Mounts

Part No.
30.4010

Two bushings
and one
sleeve.

Services one
position.

Replaces
Peterbilt
#05-08968,
Euclid #E7006



Cab Mounts

Part No.
30.4015
Two bushings
one sleeve.

Replaces
Peterbilt
#20-08257

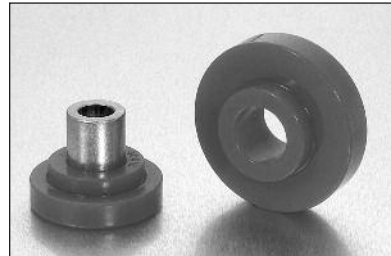
Services one
position.



Part No.
30.4011
Two bushings
and one
sleeve.

Services one
position.

Replaces
Peterbilt
#05-08969,
Euclid #E7469



Control Arm- Lateral Re-Bush Set

Part No.
30.7003
Two per
package.

Replaces
Peterbilt
#29-02453

Services
one rod
(both ends).

Application
Peterbilt-
all models
with Unibelt
Sleepers



Part No.
30.4012
Two bushings
and one
sleeve.

Services
one position.

Replaces
Peterbilt
#05-10197,
Euclid #E7507



Equalizer Bushings

Part No.
30.2003
One per
package.

Replaces
Peterbilt
#03-02099

(Requires two
per Equalizer.)

Small O.D.
3 1/8"
I.D. 2 1/2"
Length 2 1/4"



Part No.
90.1108
Two bushings
and one
sleeve.

Services
one position.

Replaces
Peterbilt
#2203-70
#2203-72
GAFF #12368
or #12369
ATRO #
MM75-62370
and
#MM75-62372

Services
5/8" or 3/4"
Bolts.



Exhaust Isolators

Part No.
90.9053
Two bushings
and one sleeve.

Replaces
Peterbilt
#14-14656

Services one
position.



Transmission Mounts- Auxiliary

Part No.
30.4013

Two pieces
per package.

Services
one position.

Replaces
Peterbilt
#19-02765 &
#19-02766



Shock Bushings- see page 6. Torque Arm Bushings- see page 5.

More listings for Peterbilt continued on next page.

Components For Peterbilt (continued)

Hood Spike Grommet

Part No.
30.4003

One per package.

Replaces
Peterbilt
#13-03170,
#13-03425

Application
Most late
model
Peterbilts



NEW

Hood Rest

Part No.
30.4017

One per package.

Replaces
Peterbilt
#13-04609



Hood Support Popsicle

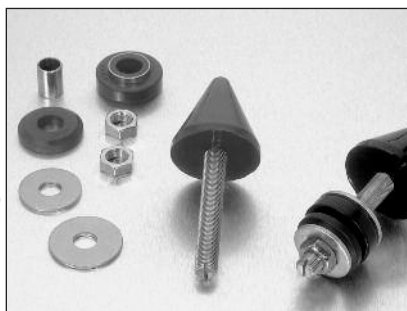
Part No.
30.4001

Set includes
hood rest
and mount
bushings.
Includes all
hardware.

Serves
one side.

Replaces
Peterbilt
#13-01840

OAL 6 1/2"
Thread
Size 5/8"
Thread
Length 3 3/4"



Hood Pivot Bushing

Part No.
30.4022

Includes
one sleeve
and one
bushing.

Replaces
#13-04726 &
ATRO#13-04727
ATRO#HM75-64726

Small O.D. 1"
Large O.D. 1 11/16"
Length 1 11/16"

Sleeve I.D. 5/8"
Sleeve Length 1 7/8"



Hood Rest- Center

Part No.
30.4004

One per package.

Replaces
Peterbilt
#13-030114



Part No.
30.4005

One per package.

Replaces
Peterbilt
#13-03510



Part No.
30.4016

One per package.

Replaces
Peterbilt
#13-04711

"Snap-In"
Style



Hood Hinge Repair Kit

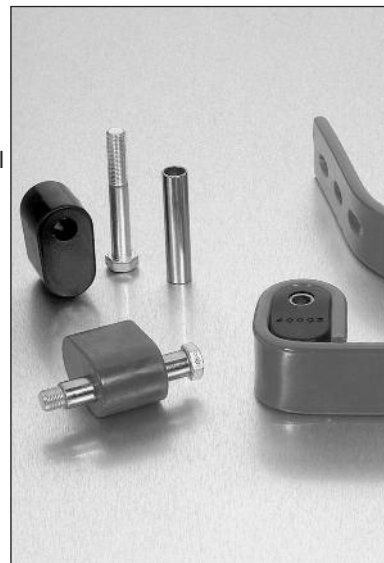
Part No.
30.4002

Package
includes one
bushing and
hardware.

Serves
one hinge.

Replaces
Peterbilt
#13-030440,
#13-03318

Application
359 Conventional



NEW

Part No.
30.4021

One per package.

Replaces
Peterbilt
#13-04154,
GAFF #12370

O.D. 1 13/16"
I.D. .1/2"
Length 5/8"



Torque Arm Bushings- see page 5.



ENERGY
SUSPENSION

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."



Components For Peterbilt (continued)

Hood Rollers

Part No. 30.6001
One per package.

Replaces
Peterbilt
#13-03593

Application
357 & 379
Conventional



Hood Rollers (small)

Part No. 30.6009
One per package.

Replaces
Peterbilt
#13-03440

O.D. 1 3/8"
I.D. 3/8"
Length 1 5/8"



Hood Rollers (large)

Part No. 30.6010
One per package.

Replaces
Peterbilt
#13-03439

O.D. 2"
I.D. 3/8"
Length 1 1/2"



Part No. 30.6011
One per package.

Replaces
Peterbilt
#13-04391



Air Leaf Bushings

Part No. 30.2001
Includes two bushings. Replaces one pair. (Spring eye bushings service one spring eye.)

Replaces
Peterbilt
#03-01674,
Euclid #E4775,
Euclid #E7509



Part No. 30.2002
Includes two bushings. Replaces one pair. (Spring eye bushings service one spring eye.)

Replaces
Peterbilt
#03-01675,
Euclid #E4776



Low Air Leaf Bushings

Part No. 30.7001

Replaces
Peterbilt
#03-07015,
GAFF #12362
Includes two bushings. Replaces one pair. (Spring eye bushings service one spring eye.)



Chamfered leading edge, for easy installation. Fluted I.D. works as a grease reservoir. Made of X-treme Duty **HYPER-FLEX™**.

Radiator Support Bushings- Lower

Part No. 30.4014

Replaces
Peterbilt
#07-03286
Two bushings and one sleeve.

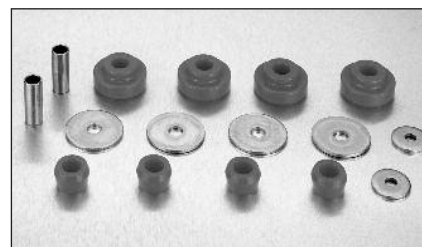
Services one position.



Radiator Support Bushings

Part No. 30.7001

Replaces
Peterbilt 359
Conventional
With
Caterpillar
Motor
Services one vehicle.



Part No. 30.7002

Replaces
Peterbilt 359
Conventional
With
Cummins
Motor
Services one vehicle.



NEW

Air Charger Bushings

Part No. 90.9056

Replaces
Peterbilt
#13-03096
Services one position.



Components For Premier

Draw Bar Bushings For Premier Slack Adjusters

Part No.
37.4001
One
bushing per
package.

Replaces
Premier #522
O.D. 3 5/16"
I.D. 3/4"
Length 2 1/2"



Hinge Bushings

Part No.
37.3001
Two per
package.
Services one
drawbar.

Replaces
Premier #348A
O.D. 3 1/2"
I.D. 2"
Length 3 1/2"

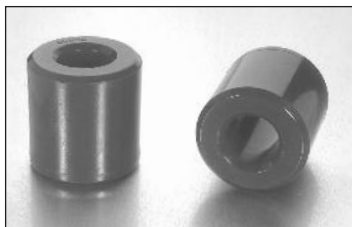


Part No.
37.3002
Two per
package.
Services one
drawbar.

Replaces
Premier #448A
O.D. 3 1/2"
I.D. 2"
Length 1 3/4"

Part No.
37.3003
Two per
package.
Services one
drawbar.

Replaces
Premier #344A
O.D. 3 1/2"
I.D. 1 5/8"
Length 4 1/2"



Part No.
37.3004
Two per
package.
Services one
drawbar.

Replaces
Premier #437A
O.D. 4 1/4"
I.D. 2"
Length 4 1/2"



Part No.
37.3005
Two per
package.
Services one
drawbar.

Replaces
Premier #437AK
O.D. 4 1/4"
I.D. 2 1/4"
Length 4 1/2"

Part No.
37.3006
Two per
package.
Services one
drawbar.

Replaces
Beal Trailer
O.D. 4 1/2"
I.D. 2 1/2"
Length 4"



Components For Prevost

Radius Rod Bushings

Part No.
35.7001
Four
bushings
per
package.
Set services
one rod.

Replaces
Prevost #630021

Application
Also: Flexible,
Grumman and
Dina Motorcoaches



HYPER-FLEX™ polyurethane out-lasts rubber many times over—which reduces down time! They can be installed in the field without special tools.



Shock Bushings- see page 6.



INCREASES
LONGEVITY



IMPROVES
HANDLING



SMART TO
REPLACE



LOWERS
OPERATION
COSTS



TIME
SAVER



INCREASES
TIRE LIFE

Components For Reyco

Torque Rod Bushings For Reyco 21B

Part No.
45.7001
Two
bushings
and one
sleeve per
package.

Replaces
Reyco #T5493,
Euclid #E7526 (Poly),
Euclid #E1160 (Rubber),
Batco #09-2290,
BWP #M1718,
Leland #SA1682

Services
one rod end.



Torque Rod Bushings For Reyco 101A

Part No.
90.7010
Two bushings
and one
sleeve per
package.

Replaces One Pair
Reyco #09729-01,
Euclid #E1980,
Transpo #0022-00,
Turner #A17612

Replaces
one location.

O.D. 1 3/4"
I.D. 7/8"
Length 3"



Services: Reyco 101A suspensions,
Spicer 62 & 68 suspensions,
Transpro Heavyweight & Super Heavyweight
and Turner "Q" Series suspensions.

Replaces
O.E.M.
bushing as shown.

Torque Rod Bushings For Reyco 102

Part No.
90.7004
Replaces
one pair.

Replaces
Reyco #T-1842,
Euclid #E812

Bushing
Small O.D. 1 13/16"
Sleeve I.D. 1 1/16"
Sleeve Length 5.20"



Part No.
90.7006
Replaces
one pair.

Replaces
Reyco #T-2242,
Euclid #E1982

Bushing
Small O.D. 1 3/4"
Sleeve I.D. 1 1/16"
Sleeve Length 5"



Components For Universal Coach

Radius Rod Bushings

Part No.
35.7001

Replaces
Universal Coach/MCI

Application
MCI, MCI-1, MC-5,
MC-7, MC-8, MC-9



Part No.
35.7002
Package includes items
as shown.

Bushing fits radius arm
with 1.92" width.

Replaces
Universal Coach 12J-1-26,
Clevite 69294

Application
Multiple (Requires two per rod)

Part No.
35.7004
Package includes
items as shown.

Bushing fits radius
arm with 2.030" width.

Replaces
Universal Coach 12J-1-26,
Clevite 69294

Application
Multiple (Requires two per rod)



Torque Arm Bushings- see page 5.



**ENERGY
SUSPENSION**

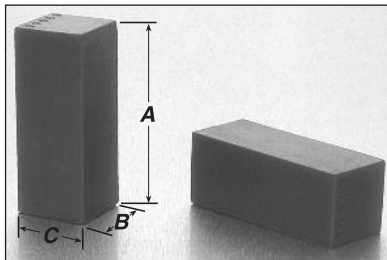
*One per package, all others—two per package. After part number— add **G FOR BLACK** or **R FOR RED**.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Components For Utility Trailer

Spring Pads

Part No. Replaces
90.6019 Utility #3-5851-01
One per package.

Length A 3 1/2"
Width B 1 3/8"
Height C 1 3/8"



Part No. Replaces
90.6014 Utility #03-0855-0-007
One pad per package.

Length A 6"
Width B 3 1/4"
Height C 1 1/4"



Components For Volvo White

Cab Hinge Bushings For Expeditor

Part No. Replaces
35.4001 Volvo #66180-0006
Two bushings per package.

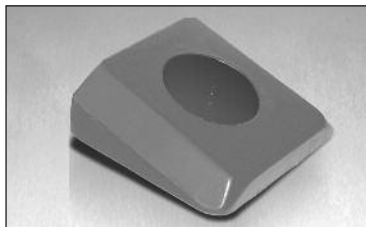
Services one hinge.

O.D. 2 1/8"
I.D. 1 1/8"
Length 1 7/16"



Hood Support Bushing

Part No. Replaces
33.4001 Volvo #3935936
One per package.



Expensive big rig hoods don't deserve less than **HYPER-FLEX™**! This support bushing can last 3 to 4 times longer than many inferior rubber ones.

Motor Mount

Part No. Replaces
36.1001 Volvo-White #12004-0007, Ford #DOHA-6068-B, Euclid #E-8918, Navistar #50357901
One per package.



This motor mount can resolve the problem of O.E.M. mounts that are of a bonded design—which are prone to ripping and tearing! This new non-bonded design mount can resolve this. Made with X-treme Duty **HYPER-FLEX™** polyurethane.

Shock Bushings- see page 6. Torque Arm Bushings- see page 5.

Components For Watson Chalin

NEW

Suspension

Part No. Replaces
90.3005 #19204
Two per package.

Part No. Replaces
90.3006 #19215
Two per package.



Made of **HYPER-FLEX™**, these polyurethane motor mounts are soft enough not to transfer vibration, but tough enough to withstand extreme pounding. They come with a sleeve that limits the crush, for the correct amount of preload.

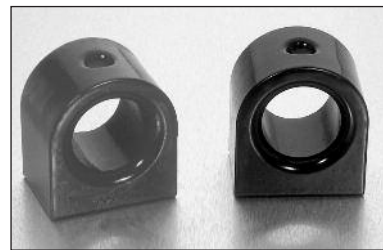


Components For Western Unit

Hinge Bushing For Superior & Western Unit

Part No. Replaces
90.4005 Superior & Western Unit #102308
One per package.

Width 2 7/8"
Height 3 1/8"
Hole Diameter 1 3/4"



Hinge bushings are constantly subjected to the elements, such as freezing temperatures, road salts, chemicals and pollution; conditions that can destroy original rubber. **HYPER-FLEX™** polyurethane is impervious to all these elements.

Components For White GMC

Walking Beam Bushing End Components

Part No. Replaces
90.3001 White GMC #498417, Euclid #E1340
Package includes three parts as shown.
Application 340 Series (5 1/4" OAL)
Set services one end of beam.

Part No. Replaces
90.3002 White GMC #452836, Euclid #E1341A
Package includes three parts as shown.
Application 380, 400, 460 Series (5 3/4" OAL)
Set services one end of beam.



Energy's unique **HYPER-FLEX™** polyurethane walking beam end bushings utilize a patented built-in thrust washer. Also unique, they are of a full floating I.D. and O.D. design, thus eliminating any unwanted binding effect. BOTH ENDS SHOULD BE SERVICED AT THE SAME TIME!

Engineered For

X-TREME DUTY

Components For *Light Trucks, Service Vehicles & Vans***X-treme Duty Polyurethane Replacement Components For Classes 1 & 2**

- Improves Handling
- Better And Longer Tire Wear
- Lower Cost Maintenance
- Reduced Maintenance Down Time
- Increased Safety

Shown- Master Set for General Motors 1/2 Ton C10, C1500 2 & 4WD Pickups

**UTILITY VEHICLES**

- Ambulance Vehicles
- Cable T.V. Vans
- Tow Trucks
- Work Trucks

**OFF-HIGHWAY VEHICLES**

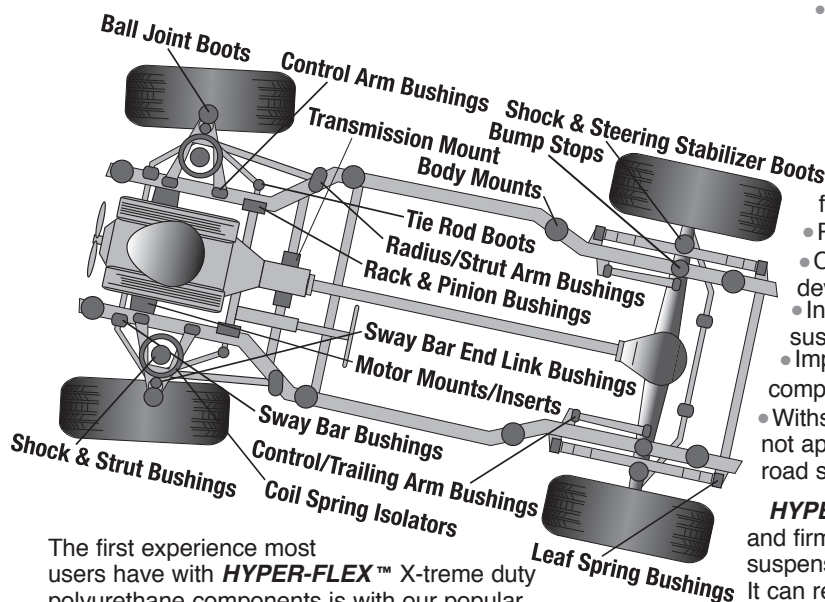
- Beach Patrol Vehicles
- Construction Trucks
- Park & Recreation Vehicles

**SUPPORT VEHICLES**

- Delivery Vehicles
- Gas & Electric Trucks
- Parts Chasers
- Road Service Vehicles
- Yard Trucks

**SERVICE CARS**

- Police & Patrol Cars
- Taxicabs
- Limousines



Energy Suspension's **HYPER-FLEX™** X-treme duty polyurethane components specifically designed for light vehicles (Classes 1 & 2) will:

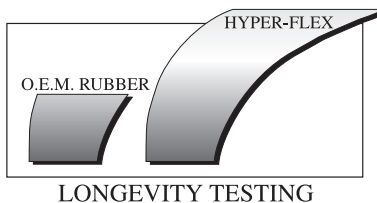
- Provide substantially longer life than rubber bushings.
- Cut the cost of maintenance and expensive, sometimes devastating down-time.
- Increase the life expectancy of both tires and associated suspension parts.
- Improve handling and cornering, from both increased component firmness and better design.
- Withstand deterioration to a degree that O.E.M. rubber can not approach—being impervious to leaking vehicle fluids, road salts, smog, farm chemicals.

HYPER-FLEX™ polyurethane will retain its like new shape and firmness much longer than rubber, keeping the suspension in a tighter condition for *up to ten times longer*. It can resist the dynamic torque like twisting and turn forces of suspension components, as they go through their normal operation and travel.

Whether you have a fleet of ambulances, a couple of dozen yard trucks, or a delivery truck, our full line of polyurethane suspension components may just revolutionize your thinking about vehicle maintenance!

The first experience most users have with **HYPER-FLEX™** X-treme duty polyurethane components is with our popular light truck product line. Twenty years of supplying these components for virtually every use imaginable has most assuredly resulted in the highest quality end product. From street cruising, to monster truck competitions, to drag racing, to professional circle track & off-road racing, we have successfully addressed all the needs and special requests, to be undeniably the *number one asked-for brand*. Our customers have for many years recognized that.

Energy Suspension components have addressed the quality and longevity required to be considered *the install once and forget product line*.



Quality & Made In America!

HYPER-FLEX™



ENERGY SUSPENSION

*One per package, all others—two per package. After part number— add **G FOR BLACK** or **R FOR RED**. For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

GENERAL MOTORS 2WD

Trucks subject suspension bushings to all the same conditions as passenger vehicles and then some! With increased component loads and torturous on- and off-road conditions, too soft O.E.M. rubber bushings unfortunately allow the suspension to deflect. **Energy Suspension's HYPER-FLEX™** performance polyurethane bushings prevents this unnecessary deflection. They are full floating allowing proper weight transfer and full suspension travel.



Year	Front End Control Arm Bushing Set	Rear End Control Arm Bushing Set	Front Leaf Spring Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Tie Rod Boots
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S-10 BLAZER, S-15 JIMMY 2WD, S-10 & S-15 PICKUP 2WD (except '97-01 SS)

1982-04	3.3162			3.2129 3.2142 122		1" 3.5126 104 1 1/16" 3.5122 104 1 1/8" 3.5190 104	9.13101 72
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1982-04	Front Upper & Lower Coil Spring Isolators		9.6102	1982-04	Front Upper Bump Stop Set		3.9102
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TAHOE, YUKON & DENALI (EXCEPT XL) 2WD

2007	3.3190 57 128	3.3194			3.4156		
2000-06	3.3190 57 128	3.3194			3.4156	32mm 3.5214 29,104	
1995-99	3.3147 2 57			3.2128	3.4146	1 1/4" 3.5178 29 104	9.13101 72

2000-06	Rear Sway Bar Bushing Set 28mm		3.5215 123	1995-99	Rear Sway Bar Bushing Set 22mm		3.5205
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K-5 BLAZER (thru '94), DENALI XL, SUBURBAN & YUKON XL 2WD

2007	3.3190 57,128	3.3194					
2000-06	3.3190 57,128,138	3.3194 138				32mm 3.5214 29,104	
1992-99	3.3147 2,57			3.2128 3.2126 129	3.4148 77	1 1/4" 3.5178 29,104	9.13101 72

2000-06	Rear Sway Bar Bushing Set 28mm		3.5215 123 138	1973-87	Front Upper Bump Stop Set		3.9102
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1992-99	Rear Sway Bar Bushing Set 22mm		3.5205
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1992-97	Ball Joint Dust Boot Set		9.13126
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AVALANCHE 2WD

2007	3.3190 57,128	3.3194					
2002-06	3.3190 57,128,138	3.3194 138				32mm 3.5214 29,104	

2002-06	Rear Sway Bar Bushing Set 28mm		3.5215 123,138
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C1500 Silverado 2WD

1999-06	3.3186 2,57			3.2141	3.4150	32mm 3.5214 29,104	
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1/2 TON C-10/C1500 PICKUP 2WD

1988-98	3.3147 2,57			3.2128 106 3.2126 129	3.4122 76 3.4123 89	1 1/4" 3.5178 29,104	9.13101 72
1981-87	3.3161			Call for Info	3.4116	1 1/16" 3.5175 29 123 1 1/8" 3.5176 29 123 1 1/4" 3.5177 29 123 1 1/16" 3.5175 29 123 1 1/4" 3.5177 29 123	9.13119 72

1988-98	Ball Joint Dust Boot Set		9.13126	1981-98	Front Upper Bump Stop Set		3.9102
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C2500 HD Silverado 2WD

2001-06	3.3185 2,57			3.2141	3.4150	36mm 3.5213 29,104	
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3/4 TON C-20/C2500, 1 TON C-30/C3500 2WD

1988-01	3.3147 2,57,106			3.2128 106 3.2126 129	3.4121 42,106 3.4122 76,106 3.4123 89,106	1 1/4" 3.5178 29,104	9.13101 72
1981-87				Call for Info	3.4116 3.4121 75	1 1/4" 3.5177 29,123	9.13119 72

1981-87	Dually Rear Complete Sway Bar Bushing Set For 1 1/16" Bar		3.5120
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FOOTNOTES: 2 Must reuse existing outer metal shells 29 Greaseable Frame Bushings 42 1988-91 Crew cab only 57 Must reuse all metal parts 72 2 boots per package- See page 12 for more information 76 Extra cab only 77 Suburban only 89 Standard cab only 104 Sway bar end links included 106 Does not include '99-01 new body Silverado 122 2 1/2" main eye O.D. 123 Includes sway bar end link bushings 128 With torsion bar front suspension 129 With 1 7/8" OD shackle bushings 138 1500 only

GENERAL MOTORS 4WD

General Motors 4WD trucks and SUVs are set up from the factory with too soft, mushy bushings. Fine perhaps for freeway driving, but take these vehicles off the highway or do some real performance driving and it's a different story!

Energy's HYPER-FLEX™ performance polyurethane components cure handling and control problems, providing for the wants and needs of the enthusiast and anyone who wants a stable running rig.



Year	Front End Control Arm Bushing Set	Rear End Control Arm Bushing Set	Front Leaf Spring Bushing Set	Rear Leaf Spring Bushing Set		Complete Front Sway Bar Bushing Set	Tie Rod Boots
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S-10 BLAZER, S-15 JIMMY 4WD, S-10, S-15 PICKUP 4WD

1994-04	3.3119 24,58			3.2129 3.2142 122		28mm 3.5206 104 33mm 3.5207 104	9.13101 72
1983-93	3.3119 24,58			3.2129 3.2142 122		25mm 3.5156 123 28mm 3.5121 123 32mm 3.5158 123	9.13101 72
1983-87	Front Differential Carrier Bracket Bushing Set		3.1105		1982-93	Transmission Mount	3.1129

Year	Front End Control Arm Bushing Set	Rear End Control Arm Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Complete Rear Sway Bar Bushing Set	Tie Rod Boots
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HUMMER H1

1994-06	3.3189	3.3189			1" 3.5212 123		
1994-06	Ball Joint Dust Boot Set		9.13126				

HUMMER H2

2003-07		3.3194					
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TAHOE, YUKON & DENALI (EXCEPT XL) 4WD

2007	3.3190 57,128	3.3194		3.4156			
2000-06	3.3190 57,128	3.3194		3.4156	32mm 3.5214 29,104	28mm 3.5215 29,123	
1998-99	3.3180 58		3.2128 3.2126 129	3.4146		3.5205 29,123	9.13101 72

K5 BLAZER (THRU '95), DENALI XL, SUBURBAN & YUKON XL 4WD

2007	3.3190 57,128	3.3194					
2000-06	3.3190 57,128,138	3.3194 138				28mm 3.5222 29,123 32mm 3.5214 123,138	
1998-99	3.3180 58			3.2128 3.2126 129	3.4148 77	30mm 3.5181 29,104 32mm 3.5204 29,104	
1992-97	3.3134 57			3.2128 3.2126 129	3.4118 37 3.4148 77	30mm 3.5181 29,104 32mm 3.5204 29,104	9.13101 72

1992-02	Transmission Mount (automatic transmission)		3.1129		1992-99	Rear Sway Bar Bushing Set 22mm	3.5205 29,123
2000-06	Rear Sway Bar Bushing Set 28mm		3.5215 123,138				

AVALANCHE 1500 4WD

2007	3.3190 57,128	3.3194					
2002-06	3.3190 57,128	3.3194				28mm 3.5222 29,123 32mm 3.5214 29,123	
2002-06	Rear Sway Bar Bushing Set 28mm		3.5215 123				

AVALANCHE 2500 4WD

2001-06	3.3185 58			3.2141	3.4150	36mm 3.5213 29 104	
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K1500 SILVERADO 4WD

1999-06	3.3190 57,128			3.2141	3.4150	28mm 3.5222 29,123 32mm 3.5214 29,123	
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K2500 HD SILVERADO 4WD

2001-06	3.3185 58			3.2141	3.4150	36mm 3.5213 29 104	
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FOOTNOTES: 24 Uppers must reuse existing outer shells 29 Greaseable Frame Bushings 37 Blazer only 57 Must reuse all metal parts
58 Uppers must reuse all hardware 72 2 Boots per package- See page 13 for more information 75 Crew cab only 76 Extra cab only
77 Suburban only 89 Standard cab only 104 Sway bar end links included 122 2 1/2" main eye O.D.
123 Includes Sway Bar End Link Bushings 128 With torsion bar front suspension 129 With 17/8" OD shackle bushings 138 1500 only



ENERGY SUSPENSION

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

GENERAL MOTORS 4WD (cont.)



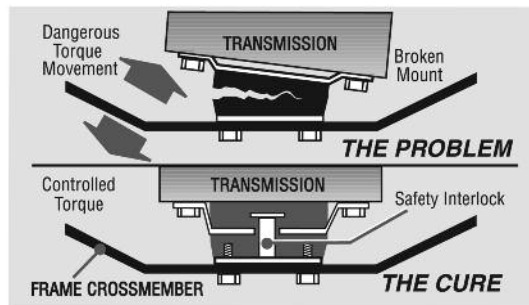
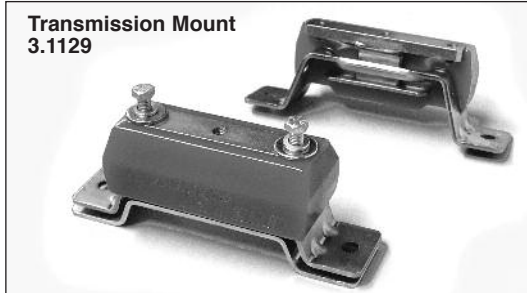
DIESEL MOTOR MOUNT INSERTS!

High horsepower-high torque GM diesel engines demand our performance polyurethane mount inserts. Gain dramatic increase in durability and a torque resistance you can't find anywhere else!

3.1152 Fits 6.2 & 7.4L motors.



Year	Front End Control Arm Bushing Set	Rear End Control Arm Bushing Set	Front Leaf Spring Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Tie Rod Boots
1/2 TON K10/K1500, 3/4 TON K20, 1 TON K30 4WD							
1988-98	3.3134 57			3.2128	3.4121 42 3.4122 76 3.4123	32mm 3.5136 104	9.13101 72
1981-87			3.2105	Call for Info	3.4116 3.4121 75	11/4" 3.5118 123	9.13119 72
1985-00	Transmission Mount (for automatic transmission)		3.1129		1988-00	Motor Mount 6.2L, 6.5L & 7.4L	3.1152



DODGE & PLYMOUTH 2WD

Year	Front End Control Arm Bushing Set	Front Strut Rod Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Complete Rear Sway Bar Bushing Set	Tie Rod Boots
DAKOTA 2WD							
1997-04	5.3122 ²		5.2113		28mm 5.5137 ¹²³ 30mm 5.5141 ¹²³	9/16" 5.5148 ^{29,123}	9.13119 ⁷²
1987-96	5.3115 ²		5.2107	5.4106	28mm 5.5118 ¹⁰⁴		
1987-96	Front Lower Bump Stop		5.6102	1987-96	Steering Rack Bushing Set (Manual or Power Steering)		5.10102
RAM 1500 2WD							
2002-05	5.3137 ^{2 57}		5.2115		34mm 5.5159 ¹²³ 36mm 5.5160 ¹²³		
1994-01	5.3124 ²³		5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵	5.4113 ¹⁴² 5.4112 ^{76,142}	30mm 5.5125 ^{29,104} 32mm 5.5124 ^{29,104}		9.13131 ⁷²
2002-05	Rack & Pinion Bushing Set		5.10103	2002-05	Front Bumpstop Set		5.6112
2002-05	Front Coil Spring Isolator Set		5.6111				
RAM 2500, 3500 2WD							
1994-02	5.3124 ²³		5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵ 5.2119 ¹⁴⁵	5.4113 ¹⁴² 5.4112 ^{76,142}	30mm 5.5125 ^{29,104} 32mm 5.5124 ^{29,104}		9.13131 ⁷²

FOOTNOTES: 2 Must reuse existing outer metal shells 23 Front lowers must reuse existing outer shells 29 Greaseable Frame Bushings 42 1988-91 Crew Cab only 57 Must reuse all metal parts 72 2 boots per package— See page 13 for more information 75 Crew cab only 76 Extra cab only 100 With 2 1/2" I.D. main eye & 2 1/2" wide spring 104 Sway bar end links included 105 With 1 3/4" I.D. main eye & 2 1/2" wide spring 123 Includes sway bar end link bushings 142 Includes hardware 145 With 3" wide springs

DODGE & PLYMOUTH 4WD**Dodge Cummins Motor Mount Inserts****HOLD YOUR HORSES!**

Modified high horsepower—high torque Dodge diesel engines demand our performance polyurethane motor mount inserts. You will gain a dramatic increase in durability and a torque resistant feel you can't find anywhere else!



1994-02	Motor Mount Insert Set - Ram 2500 / 3500 2 & 4WD 5.9L Cummins Diesel	5.1114
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Year	Front End Control Arm Bushing Set	Front Track Rod Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Complete Rear Sway Bar Bushing Set	Tie-Rod Boots
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DAKOTA 4WD

2000-04	5.3139		5.2113		35mm 5.5168 ¹²³	15mm 5.5167 ¹²³	
1997-99	5.3139		5.2113		33mm 5.5165 ¹²³	22mm 5.5166 ¹²³	
1987-96			5.2107				

2000-04	Front Rack & Pinion Bushing Set	5.10104 ⁵⁷
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RAM 1500 4WD

1999-01	5.3131 ²	5.7111	5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵	5.4113 ¹⁴² 5.4113 ^{76,142}	32mm 5.5126 ^{29,123} 30mm 5.5127 ^{29,123}		9.13101 ⁷²
1994-98	5.3120 ²	5.7111	5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵	5.4113 ¹⁴² 5.4113 ^{76,142}	32mm 5.5126 ^{29,123} 30mm 5.5127 ^{29,123}		9.13101 ⁷²

RAM 1500 4WD MEGA CAB ONLY

2006-08	5.3142	5.7116 ¹⁴⁷	5.2118		32mm 5.5174 ¹²³		9.13130 ⁷²
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2006-08	Front Axle Bump Stop Set	5.9105	2006-08	Rear Axle Bump Stop Set	5.9104
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RAM 2500, 3500 4WD

2006-09	5.3142	5.7116 ¹⁴⁷	5.2118		32mm 5.5174 ¹²³		9.13130 ⁷²
2003-05	5.3142	5.7116 ¹⁴⁷	5.2118	5.4115 ^{75,142} 5.4116 ¹⁴²	32mm 5.5174 ¹²³		9.13130 ⁷²

2003-09	Front Axle Bump Stop Set	5.9105	2003-09	Rear Axle Bump Stop Set	5.9104
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1999-02	5.3131 ²	5.7111	5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵	5.4113 ¹⁴² 5.4112 ^{76,142}	32mm 5.5126 ^{29,123} 30mm 5.5127 ^{29,123}		9.13101 ⁷²
1994-98	5.3120 ²	5.7111	5.2109 ¹⁰⁰ 5.2111 ¹⁰⁵ 5.2119 ¹⁴⁵	5.4113 ¹⁴² 5.4112 ^{76,142}	32mm 5.5126 ^{29,123} 30mm 5.5127 ^{29,123}		9.13101 ⁷²

FORD, MERCURY & LINCOLN 2WD

Year	Axle Pivot Bushing Set	Radius/Strut Arm Bushing Set	Front End Control Arm Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Complete Rear Sway Bar Bushing Set	Tie Rod Boots
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EXPLORER 2WD

1998-01			4.3157 ^{3,58}			34mm 4.5155 ¹²³		9.13101 ⁷²
1995-97			4.3157 ^{3,58}			36mm 4.5152 ¹²³	19mm 4.5153 ¹²³	9.13101 ⁷²
1991-94	4.3121 ²	4.7110		4.2124		.915" 4.5115 ¹²³	.615" 4.5116 ¹²³	9.13101 ⁷²

1991-95	Transmission Mount	4.1148	1996-2001	Transmission Mount With V6 Only	4.1148
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RANGER 2WD

1998-11			4.3157 ^{3,58,128} 4.3168 ^{2,141,144}	4.2154	4.4117 ¹⁴²	27MM 4.5156 ¹⁰⁴		9.13101 ⁷²
1989-97	4.3119	4.7110		4.2134		See page 26	See page 26	9.13101 ⁷²

1989-10	Transmission Mount	4.1148	1989-97	Rear Frame Shackle Bushing Set	4.2137
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FOOTNOTES: 2 Must reuse existing outer metal shells 3 Lowers must use existing outer metal shells 29 Greaseable Frame Bushings
 57 Must reuse all metal parts 58 Uppers must reuse all hardware 72 2 boots per package 76 Extra cab only
 100 With 2 1/2" I.D. main eye & 2 1/2" wide spring 104 Sway bar end links included 105 With 1 3/4" I.D. main eye & 2 1/2" wide spring
 123 Includes sway bar end link bushings 128 With torsion bar front suspension 141 Must reuse existing inner sleeves & cap washers
 142 Includes Hardware 144 With coil spring front suspension 145 With 3" wide springs 147 Up to 3/18/2007

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
 For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."



FORD, MERCURY & LINCOLN 2WD (cont.)

Energy Suspension performance polyurethane bushings allow your suspension to travel throughout its full range without binding. If you have ever experienced a vehicle that wanders back and forth on the road, you may not know that worn and soft rubber bushings are a major contributor to this condition. We have reengineered the tracking arm, strut arm and C-bushings for a specific purpose. The axle pivot bushings utilize two separate polyurethane formulations, which pivot without binding. The track rod bushings prevent the entire front end from moving left to right. The result—instant response and better handling.



Year	Front End Control Arm Bushing Set	Axle Pivot Bushing Set	Radius/Strut Arm Bushing Set	Front Track Arm Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Front Sway Bar Bushing Set	Tie Rod Boots
F-100 & F-150 2WD								
2004-06	4.3160				4.2151		34mm 4.5185	
1997-03	4.3158 2,58				4.2150	4.4113 89 4.4114 36 4.4115 75	29mm 4.5147 104	9.13101 72
1993-96		4.3119 2	4.7110		4.2122	4.4107	See page 26	9.13101 72
1987-92		4.3119 2	4.7109		4.2122	4.4107	See page 26	9.13101 72

F-150 LIGHTNING 2WD

1999-04	4.3158 2,58				4.2150		31mm 4.5188 123	
1999-04	Complete Rear Sway Bar Bushing Set		23mm 4.5189 104					

F-250 2WD & F-250 LIGHT DUTY 97-03 2WD

1997-03	4.3158 2,58				4.2150	4.4113 89 4.4114 36 4.4115 75	29mm 4.5147 104	9.13101 72
1993-96		4.3121 2	4.7110		See page 27	4.4107	See page 26	9.13101 72
1990-92		4.3121 2	4.7109		See page 27	4.4107	See page 26	9.13101 72
1987-89		4.3119 2	4.7109		See page 27	4.4107	See page 26	9.13101 72

F-350 2WD

1999-04		4.3121 2	4.7125		4.2147		29mm 4.5147 123	
1993-97		4.3121 2	4.7110		See page 27	4.4107	See page 26	9.13101 72
1990-92		4.3121 2	4.7109		See page 27	4.4107	See page 26	9.13101 72
1987-89		4.3119 2	4.7109		See page 27	4.4107	See page 26	9.13101 72
1980-86		4.3121 2	4.7109		See page 27	4.4107	See page 26	9.13101 72
1975-79		4.3124 2	4.7107		See page 27	4.4104	See page 26	9.13101 72

FORD, MERCURY & LINCOLN 4WD

Year	Axle Pivot Bushing Set	Radius/Strut Arm Bushing Set	Front End Control Arm Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Complete Rear Sway Bar Bushing Set	Tie Rod Boots
EXPLORER 4WD								
1998-01			4.3157 3,58			34mm 4.5155 123		9.13101 72
1995-97			4.3157 3,58			36mm 4.5152 123	19mm 4.5153 123	9.13101 72
1991-94	4.3133	4.7110		4.2124		.915" 4.5115 123	.615" 4.5116 123	9.13101 72
1991-95	Transmission Mount		4.1148		1996-01	Transmission Mount With V6 Only		4.1148

RANGER 4WD

1998-11			4.3157 3,58	4.2154	4.4117 142	29mm 4.5157 104		9.13101 72
1989-97	4.3133	4.7110		4.2134				9.13101 72
1983-88	4.3133	4.7110		See page 27	4.4103			9.13101 72
1983-10	Transmission Mount		4.1148					

F-100 & F-150 4WD 1980-96 (1997-06 - See Next Page)

1993-96	4.3133	4.7110		See page 27	4.4107			9.13101 72
1980-92	4.3133	4.7109		See page 27	4.4107			9.13101 72

FOOTNOTES: 2 Must reuse existing outer metal shells 3 Lowers must use existing outer metal shells 36 Extended cab only
 58 Uppers must reuse all hardware 72 2 Boots per package 75 Crew cab only 89 Standard Cab only
 104 Sway bar end links included 123 Includes Sway Bar End Link Bushings 142 Includes Hardware

FORD & LINCOLN 2WD & 4WD

Year	Front End Control Arm Bushing Set	Front Leaf Spring Bushing Set	Axle Pivot Bushing Set	Front Track Arm Bushing Set	Rear Leaf Spring Bushing Set	Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Tie Rod Boots
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F-150 4WD & F-250 LIGHT DUTY 97-03 4WD

2004-06	4.3160				4.2151		34mm 4.5190	
1997-03	4.3145 ²				4.2150	4.4113 ⁸⁹ 4.4114 ³⁶ 4.4115 ⁷⁵	25mm 4.5172 ¹⁰⁴ 27mm 4.5154 ¹⁰⁴	9.13101 ⁷²

F-250 (SUPER DUTY 1999-04) 4WD

1999-04		4.2148		4.7128	4.2147		1 1/4" 4.5186 ¹²³ 1 1/4" 4.5192 ^{123,131}	
1980-98		4.2121 w/2" I.D.	4.3133		See page 27	4.4107	See chart below	

1999-04	Complete Rear Sway Bar Bushing Set	30mm 4.5187 ¹²³	1999-04	Front Axle Bump Stop Set	4.9103
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F-350 4WD

1999-04		4.2148		4.7126	4.2147		1 1/4" 4.5186 ¹²³ 1 1/4" 4.5192 ^{123,131}	
1980-98		4.2121 w/2" I.D.	4.3133		See page 27	4.4107	1 1/8" 4.5126 ¹²³	

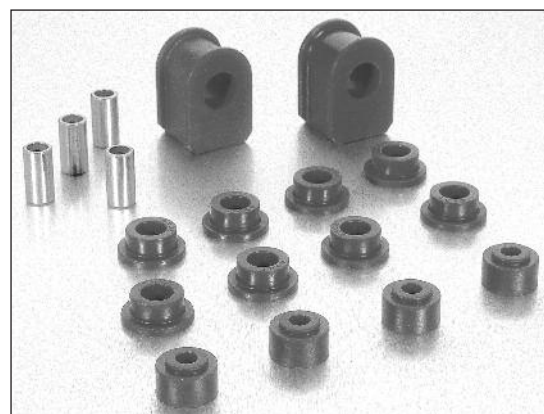
1985-98	Track Bar Bushing Set with Solid Axle	4.7115	1999-04	Front Axle Bump Stop Set	4.9103
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Sway Bar Bushing Sets- Front and Rear

- Dramatically improves handling characteristics
- Allows your truck's sway bars to work at 100% efficiency

F100, F150, F250, F350 2WD and 4WD Pickups, Ranger, Explorer 2WD and 4WD

Specially formulated polyurethane bushings that will not mush out and distort like the original rubber. These sway bar bushings are designed to be used with existing mounting brackets.



3 Steps To Determine The Correct Sway Bar Bushing Set

1. Identify end link type (A or B)—see Figure 1 or 2.
2. Measure height of Sway Bar Bushing—see Figure 3.
3. Measure sway bar diameter and choose the correct set from the chart below.

"A" Style "B" Style

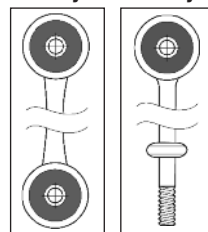


Figure 1 Figure 2

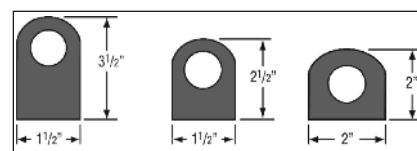


Figure 3

"A" Style Sets- Includes two sway bar bushings for O.E.M. brackets and eight bushings with four sleeves for end links.

Sway Bar Diameter	3 1/2" Tall Bushings	2 1/2" Tall Bushings	2" Tall Bushings
5/8"			4.5117
3/4"			4.5118
7/8"	4.5129	4.5105	4.5119
23mm	4.5115		
1"	4.5127	4.5106	4.5120
1 1/8"	4.5128	4.5107	4.5121

"B" Style Sets- Includes two sway bar bushings for existing brackets and four bushings with two sleeves for eye ends and four grommets for bayonet style end links.

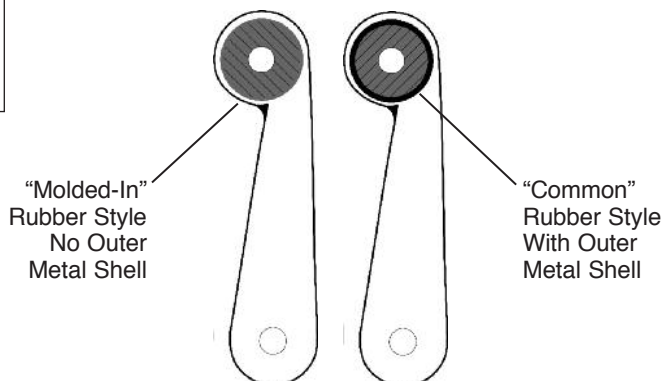
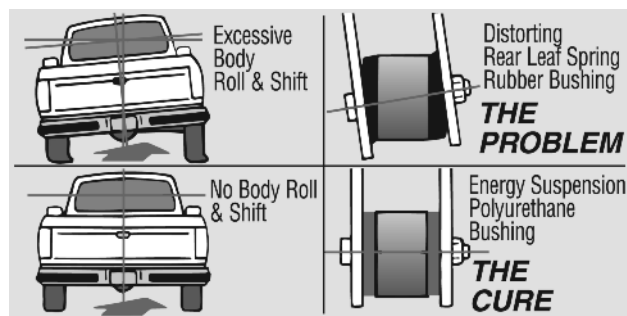
Sway Bar Diameter	3 1/2" Tall Bushings	2 1/2" Tall Bushings	2" Tall Bushings
5/8"			4.5116
3/4"			4.5122
7/8"		4.5102	4.5123
1"		4.5103	4.5124
1 1/8"		4.5104	4.5125

FOOTNOTES: ² Must reuse existing outer metal shells ³⁶ Extended cab only ⁷² 2 boots per package ⁸⁹ Standard Cab only ⁷⁵ Crew cab only ¹⁰⁴ Sway bar end links included ¹¹⁶ '83-'88 only ¹²³ Sway bar end link bushings included ¹³¹ 1999 model to 3/99 only

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

LEAF SPRING BUSHINGS

Leaf Spring Bushings Complete Set Includes Shackle Bushings



Model	Year	Complete Spring and Shackle Set
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FRONT

F250 (After Serial #Y20001) 4WD	1977-79	4.2120 ⁵⁹
F250 (With 1 1/2" Main Eye O.D. & Before Serial #Y20001) 4WD	1973-77	4.2119 ⁵⁹
F250 (With 1 1/4" Main Eye O.D.) 4WD	1967-77	4.2118
F350 Super Duty (With 2" I.D. Springs) 2WD	1980-98	4.2121
F450 (With 2" I.D. Spring) 2WD	1983-98	4.2142
F450 2WD	1994-98	4.2146 ³⁸

REAR- 2WD

F150	1980-81	4.2116
F100	1980-81	4.2117
F100, F150 (With Three Bushing Shackle)	1968-72	4.2139
F100, F150	1957-72	4.2113
F250 Crew Cab (Spring Only)	1973-79	4.2107 ³⁸
F250	1973-79	4.2103 ⁵⁹
F250 (With Three Bushing Shackle)	1968-72	4.2138
F250, F350 (With "Molded-In" Frame Shackle Bushing)	1980-96	4.2140
F250, F350 Except F350 Chassis Cab (With "Common" Frame Shackle Bushing)	1980-96	4.2114
F350 Super Cab	1973-79	4.2115
F350 Except Super Cab (Spring Only)	1973-79	4.2107 ³⁸
Ranger (With "Molded-In" Frame Shackle Bushing)	1986-97	4.2134
Ranger (With "Common" Frame Shackle Bushing)	1983-88	4.2117
Ranger (With Plastic Frame Shackle Bushing)	1983-85	4.2122

REAR- 4WD

Bronco II (With "Molded-In" Frame Shackle Bushing)	1986-90	4.2134
Bronco II (With "Common" Frame Shackle Bushing)	1984-90	4.2117
Bronco II (With Plastic Frame Shackle Bushing)	1984-90	4.2122
F250 with 3" Wide Spring	1977-79	4.2103
F250 Spring Only	1973-77	4.2107 ³⁸
Bronco, F150, 250, 350 (With "Common" Frame Shackle Bushing)	1980-96	4.2114
Bronco, F150, 250, 350 (With "Molded-In" Frame Shackle Bushing)	1980-96	4.2140
Ranger (With "Molded-In" Frame Shackle Bushing)	1986-97	4.2134
Ranger (With "Common" Frame Shackle Bushing)	1983-88	4.2117
Ranger (With Plastic Frame Shackle Bushing)	1983-85	4.2122

FOOTNOTES: ³⁸ Does not include frame shackle bushings ⁵⁹ Except crew cab

Engineered For

X-TREME DUTY

At the end of the part numbers- add **G** FOR BLACK or **R** FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."



TOYOTA 2WD & 4WD



Hyper-Flex™ Suspension Bushing Sets for the FJ Cruiser.

Year	Front End Control Arm Bushing Set	Rear End Control Arm Bushing Set	Rear Track Arm Bushing Set	Body (Cab Mount Set	Front Sway Bar Bushing Set	Rear Sway Bar Bushing Set	Tie Rod Boots
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FJ CRUISER

2007-09	8.3128 57, 73	8.3129	8.7105		29mm 8.5135	17mm 8.5136 123	
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4 RUNNER 2 & 4WD

2009	8.3128 57, 73	8.3129	8.7105		29mm 8.5135		
2003-08	8.3128 57, 73	8.3129	8.7105		29mm 8.5135	17mm 8.5136 123	
1996-97					27mm 8.5118 123		
1990-95	8.3108 57	8.3107	8.7104		24mm 8.5114 123	18mm 8.5115 123	9.13101 72

1996-02	Front Rack & Pinion Bushing Set		8.10103				
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Year	Front End Control Arm Bushing Set	Front Strut Rod Bushing Set	Front Leaf Spring Bushing Set	Rear Leaf Spring Bushing Set	Complete Body (Cab) Mount Set	Complete Front Sway Bar Bushing Set	Tie Rod Boots
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PICKUP 2WD (EXCEPT T-100 & Tundra)

2001-04					8.4107		
1995-00					8.4103	25mm 8.5123 104	9.13101 72
1989-94	8.3106 57	8.7103		8.2107		23mm 8.5105 104 25mm 8.5104 104	9.13101 72

PICKUP 4WD (EXCEPT T-100 & Tundra)

2001-04	8.3115 2,73			8.2108	8.4107	26mm 8.5117 123 27mm 8.5118 123	9.13101 72
1995 1/2-00	8.3115 2,73			8.2108	8.4103	26mm 8.5117 123 27mm 8.5118 123	9.13101 72
1989-95	8.3108 57			8.2108	8.4103	24mm 8.5106 123	9.13101 72

2001-04	Front Rack & Pinion Bushing Set		8.10103	1995 1/2-04	Front Coil Spring Isolators		9.6104
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1995 1/2-00	Front Rack & Pinion Bushing Set		8.10101	1979-85	Front Axle Torque Arm Bushing Set-4 Bushings, 2 Sleeves		8.7101
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T-100 4WD

1993-98	8.3108 57				8.4105		
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TUNDRA 2 & 4WD

2000-06	Front Rack & Pinion Bushing Set		8.10104				
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Front Rack & Pinion Bushing Set



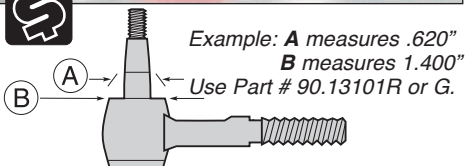
FOOTNOTES: 2 Must reuse existing outer metal shells 57 Must reuse all metal parts 72 2 boots per package
73 Lowers must reuse all metal parts 104 Sway bar end links included 123 Includes sway bar end link bushings



**ENERGY
SUSPENSION**

*One per package, all others—two per package. After part number— add G FOR BLACK or R FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Dust Boots for Tie Rod Ends

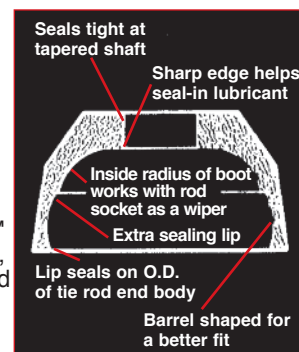


- **Superior Sealing & Protection**
- **Saves Costly Tie Rod Ends**
- **Superior Material That Will Not Deteriorate**
- **Lasts Longer**
- **Easy To Install**

At last! It is now possible to replace a dust boot without having to buy a new tie rod! **HYPER-FLEX™** polyurethane boots resist damage from: rocks, sand, water, under vehicle oils, road contaminants, salt and ozone better than rubber ones.

Each boot features an important 5 point sealing action that prevents loss of lubricants and helps prevent contamination—the major cause of rod wear.

Available in red or black; after part number add- **G** for black, **R** for red.



HOW TO MEASURE

1) The rod end must measure at least the minimum dimensions shown below, or larger. Approximates will do because of the elasticity of the product. The boot will seal better when it stretches over a larger dimension tie rod.

For Applications Not Listed Elsewhere in This Catalog, Use Chart Below.

Minimum O.D. Dimension		Round
DIMENSION A	DIMENSION B	Part No.
31/64" or .472" or 12mm	1 13/64" or 1.200" or 30.5mm	9.13103
19/32" or .590" or 15mm	1 3/8" or 1.375" or 35mm	9.13101
9/16" or .562" or 14mm	1 7/16" or 1.437" or 36.5mm	9.13105
21/32" or .650" or 16.6mm	1 5/8" or 1.625" or 41.3mm	9.13119
1 3/16" or 1.187" or 30mm	1 7/8" or 1.875" or 47mm	90.13127

2) In some cases you need to insert a thin, not sharp, object under the lip of the boot to pull over area "B" of the tie rod end.

3) Remember—choose the part number (PN#) that has the dimensions closest to the vehicle's, yet it must measure larger than the minimums in the diagram below.

Packaged 2 per peg board card for resale and 12 and 50 per box for installers.

2 Pack	12 Box	50 Box
9.13101	9.13107	9.13113
9.13103	9.13109	9.13115
9.13105	9.13111	9.13117
9.13119	9.13121	9.13123

Power Band



POWER BAND SIZES

12 inch	No. 90.9012	24 inch	No. 90.9024
18 inch	No. 90.9018	31 inch	No. 90.9031

- **Outstretches Rubber**
- **Incredible Elastic Strength**
- **Impervious To Chemicals & Sun (UV)**

The *Power Band* tie down strap, made of **HYPER-FLEX™** material, is designed to be elastic enough to stretch easily to holding points. Each size *Power Band* was engineered for its own requirements. This means, a shorter band requires a thinner section of material.

We initially tested the *Power Band* with standard steel "S" hooks. The steel "S" hooks straightened out before the *Power Band* broke. Special holding fixtures had to be made to test for the actual breaking point. Our 24 inch *Power Band* actually stretched to 10 feet, seven inches before breaking. The 31 inch band stretches to 13 feet! These are not practical usage numbers, but it does show the incredible elastic strength of our material. We also decided to use a full 3/16 inch diameter stainless steel for our "S" hooks, which added strength and to help resist corrosion. Available in: Black- **G**, Red- **R**, Blue- **B**

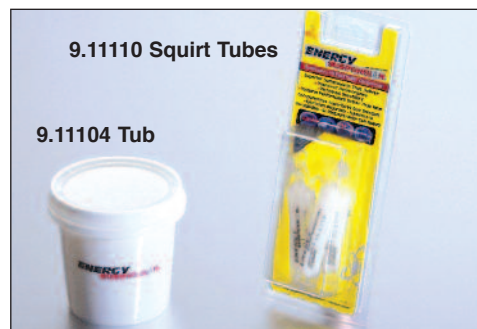
Example: for a red 12" *Power Band*- Order #90.9012R

Lubricating Grease

Formula 5 Prelube

To be used on polyurethane components that experience rotational movement. Formula 5 Prelube is a versatile, waterproof, non-melting grease. It forms a tough, durable, chemical resistant film of lubricant, even under severe shock loads. A small amount is required to properly lubricate and help prevent corrosion!

8 oz. Tub- No. **9.11104**, 1/2 oz. Squirt Tubes (quan. 3)- No. **9.11110**, 1/2 oz. Squirt Tubes (quan. 100)- No. **9.11111**



Engineered For

X-TREME DUTY

At the end of the part numbers- add **G** FOR BLACK or **R** FOR RED.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Bump Stops/Cushions (Universal Applications)

Replacement Universal Bump Stops

- Prevent Damaging Component Contact • All Feature A Specially Designed Interlock
- Out Lasts Rubber By A Wide Margin

Our X-treme-duty **HYPER-FLEX™** polyurethane bump stops and cushions are the latest in preventive engineering. These universal designs can be used on any application where solid contact can occur. Prevents damage and/or suspension fatigue. Two and four bolt bump stops are commonly used on most sanitation trucks.

Where applicable, aircraft grade nylon locking nuts are used. All metal components are zinc plated to prevent corrosion over long periods of time. Available in red or black.



9.9103 Smaller general purpose bullet shaped bump stop, fits many control arms. 1⁹/₁₆" tall, 1¹/₂" dia. 2 per set.



9.9101 All purpose bump stop for control arms, traction bars & leaf springs. Designed to be easily trimmed for custom fit. 2¹/₈" tall, 2" dia. 2 per set.



9.9102 Low profile button head bump stop for limited suspension height applications. 1¹/₁₆" tall, 2" dia. 2 per set.



9.9118 Low profile rectangular bump stop. 7⁷/₈" tall x 1⁷/₈" long x 1³/₈" wide. 2 per set.



9.9117 Flat head bump stop. 1" tall, 2¹⁵/₁₆" dia. 2 per set.



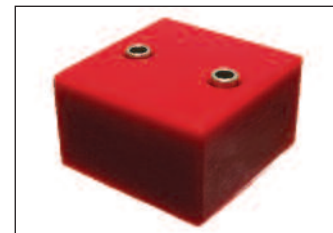
90.6003 5¹/₂" Long 1³/₈" Tall. Accepts 3³/₈" bolts.



90.6008 3" Tall 5" Long. 5" Wide. 3¹/₂" Bolt ctr. Sanitation 2 Bolt.



90.6006 3" Tall. 6" Long. 4¹/₂" Wide. 4¹/₂ x 3" Bolt ctr. Sanitation 4 Bolt.

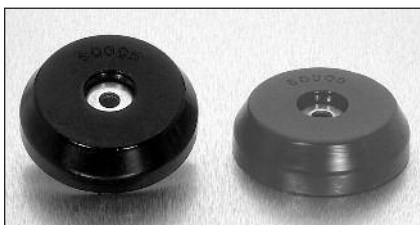


90.6008 Sanitation 2 Bolt. 3" x 5" x 5" 3¹/₂" Bolt ctr.

Lift Ramp/Platform Bump Pads (Universal Applications)

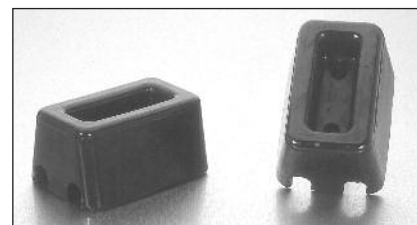
Lift Gate Bump Pads (universal applications)

Part No. **90.6002**
O.D. 2 3⁴/₄"
I.D. 5⁵/₁₆"
Height 3⁴/₄"
 One per package.



Bump Pads (Dock Bumper)

Part No. **90.6017**
Width 3 3⁴/₄"
Length 5"
Height 2 1⁴/₄"
 One per package.



Engine Filler Caps (Universal Applications)

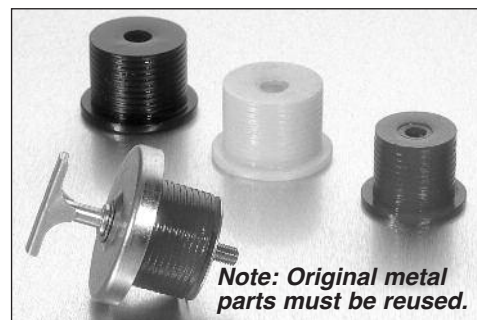
Filler Caps/Plugs of Superior Material

- Prevents Dangerous And Costly Spills
- Out Lasts Rubber By A Wide Margin
- More Compatible With Today's Fuels

These polyurethane filler cap plugs are the answer to the problem of the old style rubber failing after time. Rubber is not completely compatible with today's vehicle fuels and oils but **HYPER-FLEX™** polyurethane is! It will not swell and deteriorate like the original rubber caps you may now be using. Prevent costly spills and leaks by using a superior plug material. Available in red or black.

Fluid Plug		Fluid Plug	
(O.D.)	Part No.	(O.D.)	Part No.
1"	90.9041	1 1 ¹ / ₂ "	90.9044
1 1 ¹ / ₄ "	90.9042	1 3 ³ / ₄ "	90.9045
1 3 ³ / ₈ "	90.9043	1 7 ⁷ / ₈ "	90.9046

After part number—
 add **R** for red,
 or **G** for black.



Several size are available to fit most applications.



*One per package, all others—two per package. After part number— add **G FOR BLACK** or **R FOR RED**.
 For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

Creeper Wheels



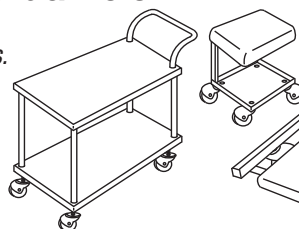
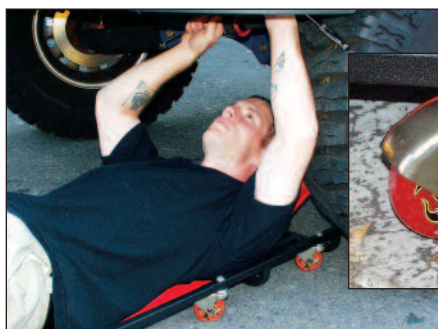
The Amazing Easy-Gliding Wheel System **HYPER-glide™**

Check out
www.creeperwheels.com for
even more information!

Made of superior formulation **HYPER-FLEX™** polyurethane and uses high precision bearings. Experience little or no rolling resistance! The unique polyurethane material and design allows smooth, unimpeded rolling for indoor/outdoor ease of movement—over cracks, washers, misc. debris, etc.

For: Automotive-Type Creepers, Shop Stools, Sit-Down Creeper Seats, Shop Test Equipment & More!

- Fits Most Standard Caster Assemblies.
- Available in red or black with Cool Side Graphics.
- Rides on precision ABEC high quality bearings.
- Installs in a few minutes with two 5/32" hex wrenches (not included).
- All hardware is included; must reuse casters



Amazingly glides
over rough
surfaces & debris.
Silent running.
Absorbs vibration.
Unaffected by oils
& chemicals.



Precision
ABEC high quality
bearings.
Special durometer
polyurethane glides
over rough surfaces.

Use them for: automotive type
mechanic creepers, stools, test
equipment, parts stands, carts, and
many other devices that use a rolling
caster assembly.

(Note- Must reuse existing casters.
Recommended maximum weight
per wheel is 125 lbs.)

Part No.	Wheel Size	No. Of Wheels In Set
9.9169	2"	4
9.9170	2"	6
9.9171	2.375"	4
9.9172	2.375"	6

Add **R** For Red or **G** For Black Wheels



Accessories & Promotional Products



Baseball Cap

100% organic cotton with
Energy Suspension logo embroidered
in red and white stitch. Medium-low
profile crown. All black Flex-fit™
style hat one-size fits all.

#9.12143



Banner

Display it by itself or build a display of products
around it. The 36"W x 12"H vinyl banner with its
brilliant colors literally screams for your store
customer. Let them know you're the source for
Energy Suspension products.

No. 9.20122



Performance Catalog

Catalog for Autos and Light Trucks

Energy Suspension's performance approach, for enthusiast driving.
HYPER-FLEX™ performance product features and benefits are
explained in detail. This 75 page full color catalog contains hundreds for
part number listings for both domestic and import cars, light and medium
pickup trucks, jeeps and sport utility vehicles. Lists the latest applications
for modifying hundreds of types of vehicles as well as listings for
universal application products. **No. 17001.12**



At the end of the part numbers- add **G FOR BLACK** or **R FOR RED**.
For the latest product listings, see www.ENERGYSUSPENSIONXD.com, "On-Line Catalog."

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