

ATRO

ENGINEERED SYSTEMS



CAB & ENGINE MOUNT GUIDE High Volume Parts

WITH ATRO BEHIND YOU, DRIVE FORWARD.

6 Bolte Lane
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800.325.6114 | Fax 866.920.2005
ATROBUSHING.COM

June 2020 Update

CONTENTS

Freightliner.....	1
International	2
Kenworth	2
Mack	3
Peterbilt	4



For over 30 years, ATRO Engineered Systems has applied our strength in engineering to solve challenges facing the heavy-duty trucking industry. From our founding, we saw rubber bushings wore out quickly, taking trucks out of service and in for repair. That led to our development of longer lasting polyurethane as an alternative to rubber. And more recently, as engine design has evolved for improved fuel efficiency, underhood parts couldn't withstand the hotter running engines and we developed our High-Temp line of Underhood products.

ATRO's line of parts run bumper to bumper—Suspensions, Torque Rods, Underhood and Trailer. All designed with unique blends of polyurethane for the rigors of each part. ATRO parts are engineered with precision to improve performance and help our customers improve the productivity of their fleets.

With ATRO Behind You, Drive Forward.

ATRO Engineered Systems, Inc. is not liable for any errors herein. All manufacturers' names and part numbers are used without permission; no endorsement, affiliation, or recommendation is implied. They are included for reference purposes only.

HL00-64001

Hood Latch

Application: FL50, 60, 70, 80, 106, 112

OEM#: 680-880-01-60

Length: 8-3/4"

Qty Per Vehicle: 2



HL46-64435

Hood Latch

Application: FL120

OEM#: 17-12435-000

Length: 11-1/4"

Qty Per Vehicle: 2



HL46-64480

Hood Latch Kit

Application: FL120

OEM#: 17-12438-000

Length: 11-1/4"

Qty Per Vehicle: 2



NOTE: Includes HL46-64434 & HL46-64435

The physical properties of ATRO's Polyurethane are so superior that rubber simply can't compete. This is true for many truck components and applies to Hood Latches, in particular, because:

- Hood Latches are exposed to the elements – Polyurethane is not affected by chemical attack.
- The quality of rubber fluctuates – ATRO polyurethane is consistent.
- Repeated use causes rubber hood latch straps to break.
- ATRO Polyurethane has 3 times the tear strength of rubber.

CM46-61001

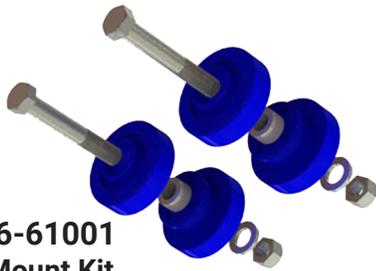
Cab Mount Kit

OEM#: 681 890 00 01, 681 891 00 01

Contains:

- (2) CM46-61890 Cab Mount (upper)
- (2) CM46-61891 Cab Mount (lower)
- (2) 3/4" x 5" Grade 8 Hex Head Bolts
- (2) 3/4" Flat Washers
- (2) 3/4" Locknuts

Qty Per Vehicle: 1



MM46-62006-HT

Engine Mount Kit w/Hdwr, Front

Application: FLD120; FLD112 SD; FLB; FL80; M2 w/Mercedes engine

OEM#:

SSB33 1001 7 (upper mount)

SSB33 1001 8 (lower mount)

01-15047-000 (sleeve)

Contains:

- (2) Upper Mounts
- (2) Lower Mounts
- (2) Spacer Sleeve
- (2) Bolts
- (2) Locknuts
- (4) Flat Washers

Qty Per Vehicle: 1



 High Temperature Material

MM46-62417-HT

Engine Mount Kit w/Hdwr, Rear

Application: 120 Conventional XL; FLD112; FLD120 SD; FLD132 Classic SL; M2 100

OEM#: J20941-3-6,

J20941-7

Contains:

- (1) Mount
- (2) Bolts
- (2) Locknuts
- (4) Washers

Qty Per Vehicle: 1



 High Temperature Material

PL1013-HT

Engine Mount, Front

Application: FL120

OEM#: 17-12438-000

ID: 13/16"

Large OD: 3-3/4"

Small OD: 2-1/16"

Length: 2-5/8"

Qty Per Vehicle:



 High Temperature Material

ATRO High Temperature components perform in the extreme conditions of EGR/SCR engine systems. The ATRO HT formula is the only high temperature resistant polyurethane in the marketplace and greatly exceeds the performance of rubber. These high temperature engine mounts resist scorching heat, retain their form, consistency and elasticity while reducing vibration in the cab and helping prevent sudden load shifts.



INTERNATIONAL

HL55-64C91

Hood Latch

Application: 9200, 9300, 9400, 9900

OEM#: 1699929C91, 1699930C92, 1699930C93

Length: 6-7/8"

Qty Per Vehicle: 2



MM55-62003-HT

Engine Mount Kit, Front

Application: 1000, 1600, 2500, 2600, 3200, 3400, 3600, 4000, 4200-4900, 7100, 8200, 8300

OEM#: 1664723C1 (lower)
1664723C2 (lower)
1664723C3 (lower)
1664726C3 (upper/snubber)

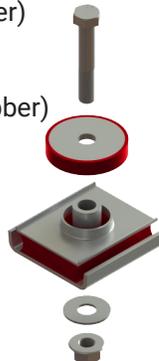
Contains:

- (1) Lower Mount
- (1) Upper Mount
- (1) Bolt
- (1) Flat Washer
- (1) Flanged Locknut

Qty Per Vehicle: 2



High Temperature Material



MM55-62005-HT

Engine Mount Kit, Rear

Application: 1000, 1600, 2500, 2600, 3200, 3400, 3600, 4000, 4200-4900, 7100, 8200, 8300

OEM#:
Upper: 1664729C1, 1664729C2, 1664729C3, 1664729C4, 1664729C5, 1664729C7

Lower: 1664730C5, 1664730C7, 2014777C2

Contains:

- (2) Lower Mounts
- (2) Upper Mounts
- (2) Bolt Assemblies

Qty Per Vehicle: 1



High Temperature Material



KENWORTH

HL00-64001

Hood Latch

Application: 357, 367, 377, 388, 389 T600, 800, W900

OEM#: L56-0001

Length: 8-3/4"

Qty Per Vehicle: 2



HL00-64003

Hood Latch Kit

Application: T600A, T800, W900

OEM#: 23-13857

Contains:

- (1) HL00-64001 Hood Latch
- (1) HL00-64002 Hood Latch Catch
- (1) Bracket
- (1) Bolt
- (1) Nut

Qty Per Vehicle: 2



HL59-64107

Hood Latch

Application: T800, W900B, T600A

OEM#: K147-107, K147C106

Length: 5-1/2"

Qty Per Vehicle: 2



For both sides,
HL00-64004
is available

KT59-62003-HT

Engine Mount Kit, Front w/hardware

Application: T-600, T-800

OEM#: K066-404 (lower position)
K066-406 (upper position)

Contains:

- (2) Upper Mounts
- (2) Lower Mounts
- (2) Bolts
- (2) Nuts
- (4) Washers

Qty Per Vehicle: 1



High Temperature Material



KT59-62004-HT

Engine Mount Kit, Rear w/hardware

Application: T-600, T-800

OEM#: K066-377 (lower position)
K066-421 (upper position)

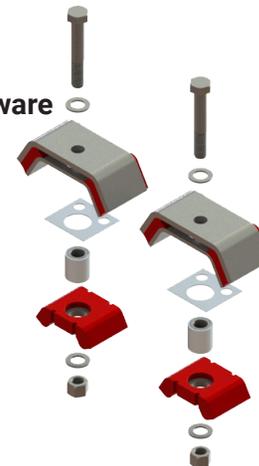
Contains:

- (2) Upper Mounts
- (2) Lower Mounts
- (2) Wear Plates
- (2) Wear Sleeves
- (2) Bolts
- (4) Flat Washers
- (2) Locknuts

Qty Per Vehicle: 1



High Temperature Material



KENWORTH

PL1011-HT

Hood Pin

Application: T600A, T800, W900, T2000 (2003-2010)

OEM#: K179-528

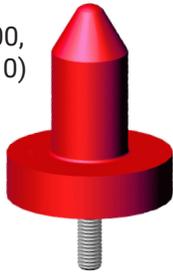
Large OD: 3-1/4"

Small OD: 1-1/2"

Length: 4-1/8"

Thread Size: 1/2" - 13

Qty Per Vehicle: 2



 High Temperature Material

PL1013-HT

Engine Mount, Front

Application: 3406 Caterpillar

OEM#: K066-229, M700

ID: 13/16"

Large OD: 3-3/4"

Small OD: 2-1/16"

Length: 2-5/8"

Qty Per Vehicle: 2



 High Temperature Material

PL1015-HT

Radiator/Engine Mount

Application: 377, 378, 379, T600, T800, W900

OEM#: K066-228, M601, M601-70NR

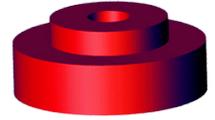
ID: 5/8"

Large OD: 3"

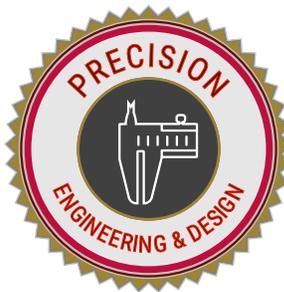
Small OD: 1-13/16"

Length: 1-13/16"

Qty Per Vehicle: 4



 High Temperature Material



MACK

KT62-62216-HT

Insulator Kit

Application: Mack Transmission

OEM#: 204SX216

Contains:

(8) PL1017-HT Engine Mount

(8) Washers

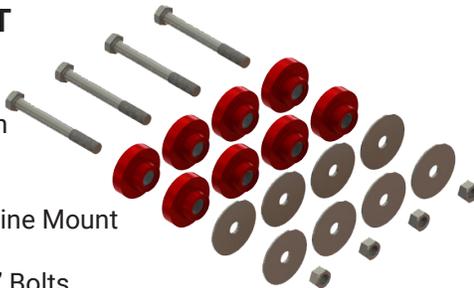
(4) 3/4"-16 x 6 1/2" Bolts

(4) Locknuts

Qty Per Vehicle: 1

NOTE: Complete Kit

 High Temperature Material



KT62-62389-HT

Insulator Kit

Application: Fuller & Allison Transmission

OEM#: 204SX389

Contains:

(8) PL1017-HT Engine Mount

(8) Washers

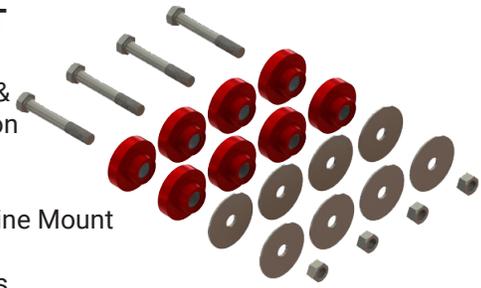
(4) 3/4"-16 x 5 Bolts

(4) Locknuts

Qty Per Vehicle: 1

NOTE: Complete Kit

 High Temperature Material



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PETERBILT

EM75-69096-HT Exhaust/Radiator Mount Air to Air Bushing

Application: 357, 375, 379, 385 upper exhaust
OEM#: 13-03096
OD (nipple): 3/4"
Large OD: 1-1/16"
Height (flange): 1/4"
Qty Per Vehicle: 2



NOTE: Accepts 3/8" diameter fasteners (not included)

High Temperature Material

EM75-69656-HT Exhaust Bushing

Application: 357, 375-379, 385
OEM#: 14-14656
ID: 3/8"
Large OD: 1-1/4"
Small OD: 3/4"
Length: 1-3/8"
Qty Per Vehicle: 2



High Temperature Material

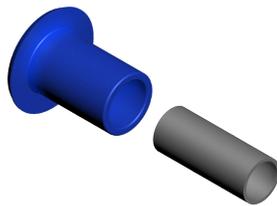
HL00-64001 Hood Latch

Application: 357, 367, 377, 388, 389 T600, 800, W900
OEM#: 161037, 1304339, 23-13857
Length: 8-3/4"
Qty Per Vehicle: 2



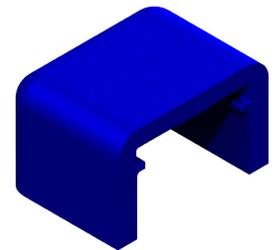
HM75-64726 Hood Mount Pivot Bushing

Application: 357, 367, 377, 379
OEM#: 13-04726 (bushing)
13-04727 (metal sleeve)
ID: 3/4"
Large OD: 1-11/16"
Small OD: 1"
Length: 1-11/16"
Sleeve ID: 5/8"
Sleeve Length: 1-7/8"
Qty Per Vehicle: 1



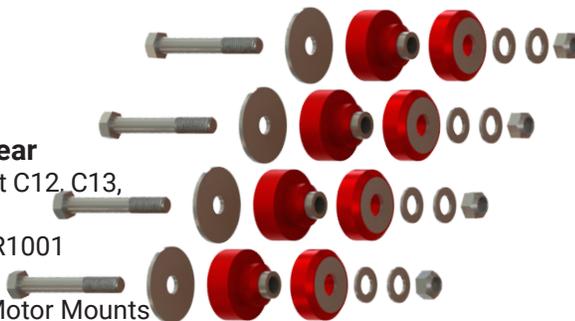
HM75-65711 Hood Bumper

Application: 385
OEM#: 13-04711
Outside Length: 2-3/8"
Inside Length: 2"
Outside Height: 2"
Inside Height: 1-9/16"
Outside Width: 3-1/8"
Inside Width: 2-1/4"
Qty Per Vehicle: 2



MM75-62001-HT Engine Mount Kit, Rear

Application: 379 w/Cat C12, C13, 320 w/Cummins, 387
OEM#: CB2203-72, MR1001
Contains:
(4) MM75-62372-HT Motor Mounts
(4) Nuts
(4) Bolts
(4) Snubber Washers
(8) Washers
Qty Per Vehicle: 1



NOTE: 320 Cab Overs often used in waste hauler applicatons

High Temperature Material

PL1013-HT Engine Mount, Front

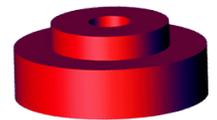
Application: 3406 Caterpillar
OEM#: 05-08969, 05-10103
ID: 13/16"
Large OD: 3-3/4"
Small OD: 2-1/16"
Length: 2-5/8"
Qty Per Vehicle: 2



High Temperature Material

PL1015-HT Radiator/Engine Mount

Application: 377, 378, 379, T600, T800, W900
OEM#: 07-03286
ID: 5/8"
Large OD: 3"
Small OD: 1-13/16"
Length: 1-13/16"
Qty Per Vehicle: 4



High Temperature Material

PL1126-HT Radiator Bushing

OEM#: 07-02252
Large OD: 1-3/16"
Small OD: 1-1/16"
Length: 3/4"
Qty Per Vehicle: 4

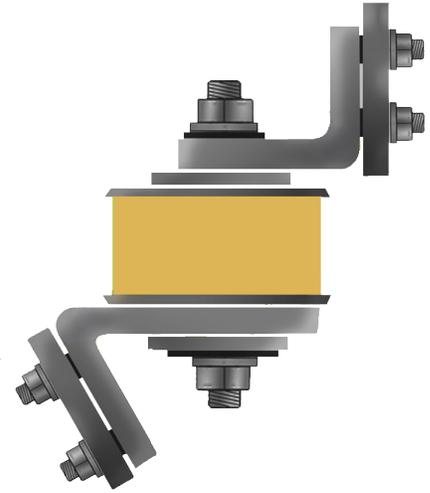


High Temperature Material

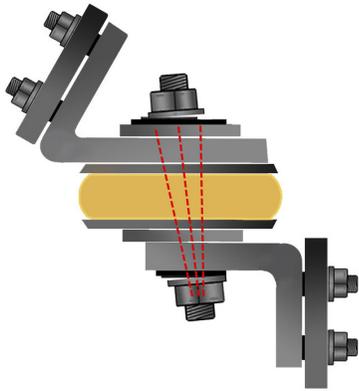
EXTREME HEAT CAUSES ENGINE MOUNT FAILURE

What happens to a motor mount on a heavy duty vehicle, under excessive heat?

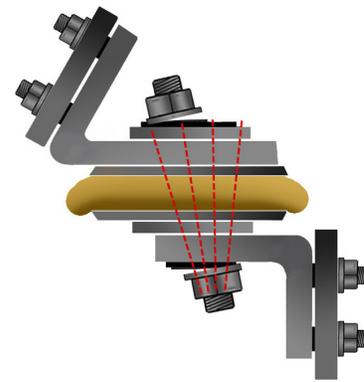
When heavy truck manufacturers began installing EGR/SCR systems, there was an immediate surge in engine compartment temperatures. Motor mounts started failing at a much higher rate. Up until now, rubber and polyurethane used in the manufacture of motor mounts had not been designed to withstand these elevated heat levels. With the full weight of the engine bearing down on the mount, the long hours, stress and extreme temperature take their toll on the rubber or poly material. As they deteriorate, these materials becomes less and less able to absorb the shocks and vibration. Over time, this loss of support can result in stress on the drivetrain.



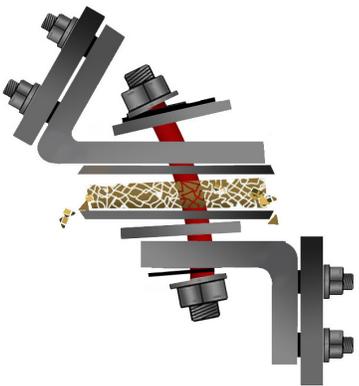
As the temperature rises in the engine compartment, loss of the material's properties can cause it to thin and bulge out the sides. The components of the motor mount assembly may become loose over a period of time, depending on the ruggedness of the job.



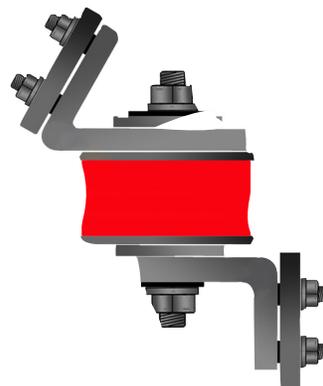
As the truck continues to operate under high heat, the material loses volume, becomes jelly-like and there is increased play in the motor mount bracketry. There may be noticeable load shifts as the motor is no longer firmly being held in place. Stress may begin to be felt by the various drivetrain components.



In the worst scenario, heat related motor mount failure can end up causing the engine to sag or tilt to the point of making contact with the walls of the engine compartment. If left unhandled, it is possible damage to the transmission and differential can occur.



ATRO's High Temperature Motor Mount Line for heavy duty vehicles
ATRO developed polymers that withstand extreme heat in the 300°F range and have replaced the rubber or polyurethane materials that can fail at 200°F. ATRO's material maintains its physical properties throughout the load, heat and stress. End of problem!



ATRO

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Impervious to:

- Oil/Grease
 - Brine
 - Cleaning Solutions
 - Hydraulic Fluids
 - Diesel Fuel
- Rubber Deteriorates



- Engineered to Function
- Providing Peak Performance
- Improving Ride Quality
- Absorbs Shock or Transfers Energy
- Exceeds OE Specs
- Longer Lasting Parts



ATRO Polyurethane vs Rubber

- 2-5 Times Stronger
- Rebound & Compression
- Tensile & Tear Strength
- Elongation Properties
- Ranging Durometer

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ENGINEERED
TO LAST
ATROBUSHING.COM

