



# STAY CURRENT

ISO 9001 CERTIFIED

JUNE 2016

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## TRADESHOWS & EVENTS

**VIPAR Heavy Duty Annual Business Conference**  
***October 16-21, 2016 - Orlando, FL***

**HDAW 2017**  
***January 23-26, 2017 - Las Vegas, NV***



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## FEATURED ITEMS OF THE MONTH

### DETROIT DIESEL PISTONS



- **COLOR CODED FOR EQUAL WEIGHTS**
  - **REDUCED VIBRATION**
  - **SMOOTHER OPERATION**



# HIGH PERFORMANCE PARTS

WORLD TESTED. PERFORMANCE PROVEN.

## TECH TIPS OF THE MONTH



This month's article covers the anti-friction coating that PAI is incorporating in our new HP rod and main bearings.

Today's rod and main bearings must be able to withstand cold/dry starts and stresses that new high output engines produce. Since this environment is different from the conditions the skirts & rings endure, a third specialized anti-friction coating has been developed for the PAI HP bearings.

### **ADVANTAGES**

**LOWER FRICTION**

**LOWER HEAT**

**LONGER LIFE**

**BETTER FUEL ECONOMY**

**3 YEAR WARRANTY**

**HIGH PERFORMANCE**

PAI Industries is now offering a line of new High Performance Products. These parts can be identified with the letter designation HP at the end of the part number. *Ex: 111523 HP Piston Kit.*



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## PRICE REDUCED

Click Part# for more details

| PAI REFERENCE                | OEM REFERENCE    | DESCRIPTION           |
|------------------------------|------------------|-----------------------|
| <a href="#">MDP-0245</a>     | MAK 745-231928   | Diaphragm             |
| <a href="#">MDP-0247</a>     | MAK 745-231543   | Diaphragm             |
| <a href="#">FAS-0679</a>     | GDY 2B14-365     | Air Spring            |
| <a href="#">FAS-0694</a>     | FIR 5311         | Air Spring            |
| <a href="#">GNU-0710</a>     | MAK 21AX657      | Nut                   |
| <a href="#">FAS-0711</a>     | GDY 1R12-156     | Air Spring            |
| <a href="#">FAS-0754</a>     | GDY 1R14-154     | Air Spring            |
| <a href="#">FAS-0764</a>     | GDY 1R10-089     | Air Spring            |
| <a href="#">ASP-0914</a>     | MAK 13QK244AP13  | Spacer                |
| <a href="#">EET-1843</a>     | MAK 4ME4969      | Exhaust Pipe          |
| <a href="#">EFI-2896</a>     | MAK 203GC4268M   | Fuel Tube             |
| <a href="#">MST-4355</a>     | LNV 78989        | Stator                |
| <a href="#">FTR-4587-205</a> | MAK 17QF443P205  | Torque Rod            |
| <a href="#">FNU-4742</a>     | MAK 25QJ26       | Nut                   |
| <a href="#">ECH-8809</a>     | MAK 11MF3592M18  | Hose                  |
| <a href="#">AKP- 9817</a>    | MAK 8235-R200144 | King Pin Kit          |
| <a href="#">AHS-9904</a>     | MAK 7843-3434024 | Hub                   |
| <a href="#">THC-9919</a>     | STE 330-3077     | Hub O-Ring            |
| <a href="#">EE21510</a>      | EAT 118750       | Differential Kit      |
| <a href="#">EE22140</a>      | EAT 216229       | Differential Kit      |
| <a href="#">EE74640</a>      | EAT 96900        | Pinion                |
| <a href="#">EE96180</a>      | EAT 127271       | Gear Set              |
| <a href="#">EF89850</a>      | FUL K-3257       | Bearing Kit           |
| <a href="#">EF36980HP</a>    | FUL A-6918       | Selector Valve        |
| <a href="#">EF59520HP</a>    | FUL 4304514      | High Performance Gear |
| <a href="#">EF59540HP</a>    | FUL 4304508      | High Performance Gear |
| <a href="#">EF59550HP</a>    | FUL 4304512      | High Performance Gear |
| <a href="#">EF59560HP</a>    | FUL 4303420      | High Performance Gear |
| <a href="#">EF61830HP</a>    | FUL 4300191      | High Performance Gear |
| <a href="#">EF61920HP</a>    | FUL 4302393      | High Performance Gear |
| <a href="#">EF62330HP</a>    | FUL 20391        | High Performance Gear |

| PAI REFERENCE             | OEM REFERENCE  | DESCRIPTION           |
|---------------------------|----------------|-----------------------|
| <a href="#">EF62910HP</a> | FUL 19623      | High Performance Gear |
| <a href="#">EF62920HP</a> | FUL 20482      | High Performance Gear |
| <a href="#">EF63180HP</a> | FUL 21025      | High Performance Gear |
| <a href="#">EF63570HP</a> | FUL 20917      | High Performance Gear |
| <a href="#">EF64040HP</a> | FUL 20459      | High Performance Gear |
| <a href="#">EF64110HP</a> | FUL 21020      | High Performance Gear |
| <a href="#">EF66030</a>   | FUL K-2468     | Clutch Install Kit    |
| <a href="#">EF66890HP</a> | FUL 4302394    | High Performance Gear |
| <a href="#">EF66950HP</a> | FUL 21321      | High Performance Gear |
| <a href="#">EF67010HP</a> | FUL 22028      | High Performance Gear |
| <a href="#">EF67810HP</a> | FUL 4302381    | High Performance Gear |
| <a href="#">EF67820HP</a> | FUL 4302384    | High Performance Gear |
| <a href="#">EF89530HP</a> | FUL 4304510    | High Performance Gear |
| <a href="#">EM43560</a>   | LNV 79011      | Rotor                 |
| <a href="#">042210</a>    | CUM 3028325    | Fuel Check Valve      |
| <a href="#">060007</a>    | CUM 4920517    | Flywheel Housing      |
| <a href="#">111170</a>    | CUM 3064304    | Piston Pin            |
| <a href="#">132001</a>    | CUM 3680713    | Oil Cooler Gasket     |
| <a href="#">131640</a>    | CUM 4955591    | Gasket Set            |
| <a href="#">202007</a>    | CUM 4101884    | Crankshaft Damper     |
| <a href="#">301021</a>    | N/A            | Cylinder Kit          |
| <a href="#">302012</a>    | CAT 108-4096   | Crankshaft Damper Kit |
| <a href="#">311165</a>    | CAT 322-0329   | Piston                |
| <a href="#">311166</a>    | N/A            | Piston Kit            |
| <a href="#">370213</a>    | CAT 128-0383   | Main Bearing          |
| <a href="#">370226</a>    | N/A            | Main Bearing Set      |
| <a href="#">400025</a>    | NAV 1842553C91 | Liner Kit             |
| <a href="#">401032</a>    | NAV 1830709C96 | Cylinder Kit          |
| <a href="#">401038</a>    | NAV 1842554C93 | Cylinder Kit          |
| <a href="#">401040</a>    | NAV 1825547C96 | Cylinder Kit          |
| <a href="#">401044</a>    | NAV 1842556C96 | Cylinder Kit          |

Please Note: OEM reference numbers in bold indicate parts that are supplied from OEM.



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Click Part# for more details

| PAI REFERENCE              | OEM REFERENCE       | DESCRIPTION           |
|----------------------------|---------------------|-----------------------|
| <a href="#">405024</a>     | NAV 1842556C96      | Cylinder Kit          |
| <a href="#">405025</a>     | NAV 1830724C92      | Ring Set              |
| <a href="#">480001</a>     | NAV 677781C91       | Crankshaft Damper     |
| <a href="#">636029</a>     | <b>DDC 23523995</b> | Shaft Seal            |
| <a href="#">641280</a>     | DDC 23522282        | Oil Pan               |
| <a href="#">681231</a>     | DDC 23523977        | Pulley                |
| <a href="#">802659</a>     | MAK 25QE34BP4       | Air Tank Cable        |
| <a href="#">804270</a>     | <b>MAK 21165207</b> | Air Spring            |
| <a href="#">900021HP</a>   | FUL 4304642         | High Performance Gear |
| <a href="#">900023HP</a>   | FUL 4305910         | High Performance Gear |
| <a href="#">900024HP</a>   | FUL 4302421         | High Performance Gear |
| <a href="#">900028HP</a>   | FUL 4303476         | High Performance Gear |
| <a href="#">900031HP</a>   | FUL 4304750         | High Performance Gear |
| <a href="#">900044HP</a>   | FUL 22370           | High Performance Gear |
| <a href="#">900069HP</a>   | FUL 4303121         | High Performance Gear |
| <a href="#">900076HP</a>   | FUL 4303184         | High Performance Gear |
| <a href="#">900082HP</a>   | FUL 4303737         | High Performance Gear |
| <a href="#">900172</a>     | FUL K-3600          | Pinion Kit            |
| <a href="#">900290HP</a>   | FUL 4302435         | High Performance Gear |
| <a href="#">960330</a>     | DAN 209701-74       | Clutch Assembly       |
| <a href="#">960331</a>     | DAN 209701-93       | Clutch Assembly       |
| <a href="#">960332</a>     | DAN 209701-61       | Clutch Assembly       |
| <a href="#">960333</a>     | DAN 209701-85       | Clutch Assembly       |
| <a href="#">960334</a>     | DAN 209701-32       | Clutch Assembly       |
| <a href="#">960335</a>     | DAN 209701-82       | Clutch Assembly       |
| <a href="#">960336</a>     | DAN 209701-92       | Clutch Assembly       |
| <a href="#">C15603-010</a> | N/A                 | Engine Kit            |
| <a href="#">C15603-013</a> | N/A                 | Engine Kit            |
| <a href="#">C15605-010</a> | N/A                 | Engine Kit            |
| <a href="#">ISB606-101</a> | N/A                 | Engine Kit            |
| <a href="#">ISB606-126</a> | N/A                 | Engine Kit            |

| PAI REFERENCE              | OEM REFERENCE | DESCRIPTION |
|----------------------------|---------------|-------------|
| <a href="#">ISB602-001</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-002</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-006</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-026</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-032</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-037</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-042</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-051</a> | N/A           | Engine Kit  |
| <a href="#">ISB602-057</a> | N/A           | Engine Kit  |

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| OEM REFERENCE                       | PAI REFERENCE          | DESCRIPTION   |
|-------------------------------------|------------------------|---|
| CUM 4928593                         | <a href="#">050605</a> | MAP Sensor Kit<br>Includes Sensor (1)050604<br>O-Ring (1)121210 |
| <b>Application:</b> ISC / ISL / ISX |                        |   |



| OEM REFERENCE  | PAI REFERENCE          | DESCRIPTION         |
|--|------------------------|---------------------|
| CAT 161-9930   | <a href="#">350599</a> | Oil Pressure Sensor |
| <b>Application:</b> Caterpillar 3126, B, E / 3406E / C10 & C12 |                        |                     |

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CAB & CHASSIS

DRIVE TRAIN

ENGINE

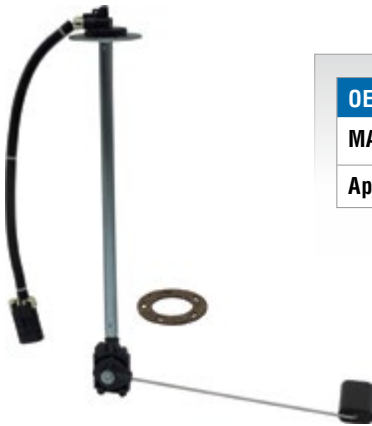
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| OEM REFERENCE   | PAI REFERENCE            | DESCRIPTION |
|---|--------------------------|-------------|
| <b>MAK 16MB416M</b>                                       | <a href="#">FSU-0468</a> | Fuel Sender |
| <b>Application:</b> Mack CHN / CHU / CXN / CXU / CT / CTP |                          |             |



| OEM REFERENCE                                  | PAI REFERENCE          | DESCRIPTION         |
|--|------------------------|---------------------|
| FTL 16-18035-000                               | <a href="#">740145</a> | Leaf Spring Bushing |
| <b>Application:</b> Freightliner(FAS) Air Ride |                        |                     |



| OEM REFERENCE                     | PAI REFERENCE           | DESCRIPTION                         |
|-----------------------------------|-------------------------|-------------------------------------|
| MAK 20QE3373                      | <a href="#">EM37540</a> | Air Valve Solenoid(Fan Clutch)(12V) |
| <b>Application:</b> Mack Multiple |                         |                                     |



| OEM REFERENCE                     | PAI REFERENCE           | DESCRIPTION                    |
|-----------------------------------|-------------------------|--------------------------------|
| MAK 9538-2493S                    | <a href="#">EM83920</a> | Fuel Cap(Vented)(Locking)(3in) |
| <b>Application:</b> Mack Multiple |                         |                                |

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| OEM REFERENCE       | PAI REFERENCE          | DESCRIPTION      |
|---------------------|------------------------|------------------|
| <b>MAK 1MR4344M</b> | <a href="#">803998</a> | Headlight Switch |

**Application:** Mack MR / MRU Models

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| OEM REFERENCE      | PAI REFERENCE          | DESCRIPTION  |
|--------------------|------------------------|--------------|
| <b>MAK 4ME4925</b> | <a href="#">803612</a> | Exhaust Pipe |

**Application:** Mack 1994-2014 RD Models

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| OEM REFERENCE       | PAI REFERENCE          | DESCRIPTION |
|---------------------|------------------------|-------------|
| <b>MAK 16MB421M</b> | <a href="#">853702</a> | Fuel Sender |

**Application:** Mack GU Models

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ENGINE



| OEM REFERENCE       | PAI REFERENCE          | DESCRIPTION           |
|---------------------|------------------------|-----------------------|
| <b>MAK 31QX418M</b> | <a href="#">803855</a> | Window Support(RH/LH) |

**Application:** Mack CH / CX Models

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| OEM REFERENCE   | PAI REFERENCE          | DESCRIPTION              |
|---|------------------------|--------------------------|
| <b>MAK 39QC4131M</b>                                  | <a href="#">804216</a> | Power Steering Reservoir |
| <b>Application:</b> Mack CHN / CHU / CXN / CXU Models |                        |                          |



| OEM REFERENCE   | PAI REFERENCE          | DESCRIPTION |
|---|------------------------|-------------|
| MAK 7787-869223   | <a href="#">804058</a> | Heater Core |
| <b>Application:</b> Mack CH/ CHN / CV / CX / Keystone Dash Models |                        |             |



| OEM REFERENCE                                    | PAI REFERENCE          | DESCRIPTION       |
|--|------------------------|-------------------|
| KEN K 066-404                                    | <a href="#">730436</a> | Front Motor Mount |
| <b>Application:</b> Kenworth T600 & W900B Models |                        |                   |



| OEM REFERENCE                          | PAI REFERENCE          | DESCRIPTION |
|--|------------------------|-------------|
| PBT 20-08257                           | <a href="#">730435</a> | Cab Mount   |
| <b>Application:</b> Peterbilt Multiple |                        |             |

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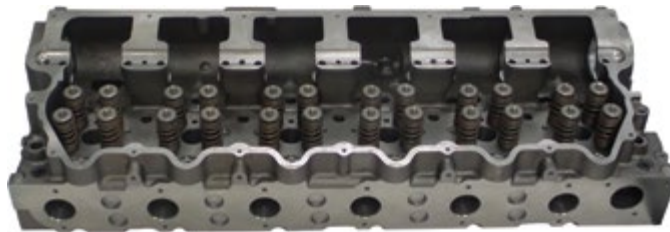
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| OEM REFERENCE                                | PAI REFERENCE          | DESCRIPTION        |
|--|------------------------|--------------------|
| <b>CAT 8C3445</b>                            | <a href="#">342091</a> | Oil Protection Cap |
| <b>Application:</b> Caterpillar 3176 Engines |                        |                    |



| OEM REFERENCE                               | PAI REFERENCE          | DESCRIPTION                    |
|---|------------------------|--------------------------------|
| CAT 263-5055                                | <a href="#">360462</a> | Cylinder Head Assembly(Loaded) |
| <b>Application:</b> Caterpillar C15 Engines |                        |                                |



| OEM REFERENCE                           | PAI REFERENCE          | DESCRIPTION  |
|---|------------------------|--|
| CUM 3054866                             | <a href="#">171646</a> | Crankshaft Assembly<br>Includes Crankshaft (1)171701<br>Gear (1)171735 Key (1)040151 |
| <b>Application:</b> Cummins 855 Engines |                        |  |



| OEM REFERENCE                           | PAI REFERENCE           | DESCRIPTION                               |
|---|-------------------------|---|
| CUM 3411817                             | <a href="#">060161X</a> | Cylinder Head Assembly<br>(Loaded)(Reman) |
| <b>Application:</b> Cummins N14 Engines |                         |   |

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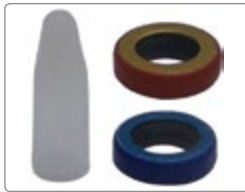
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| OEM REFERENCE                               | PAI REFERENCE           | DESCRIPTION                  |
|---|-------------------------|------------------------------|
| CUM 3802770                                 | <a href="#">181194E</a> | Turbocharger(Non-Waste Gate) |
| <b>Application:</b> Cummins 6B 5.9L Engines |                         |                              |



| OEM REFERENCE  | PAI REFERENCE          | DESCRIPTION  |
|--|------------------------|--|
| CUM 3803477  | <a href="#">136163</a> | Fuel Pump Seal Kit<br>Includes Sleeve (1)136166<br>Seals (1)136164 & (1)136165 |
| <b>Application:</b> Cummins N14 / L10 CELECT , ISM & M11 Engines |                        |  |



| OEM REFERENCE                           | PAI REFERENCE          | DESCRIPTION          |
|---|------------------------|----------------------|
| CUM 3969609                             | <a href="#">131945</a> | Cylinder Head Gasket |
| <b>Application:</b> Cummins ISL Engines |                        |                      |



| OEM REFERENCE  | PAI REFERENCE          | DESCRIPTION                    |
|--|------------------------|--------------------------------|
| DDC 23538858   | <a href="#">660007</a> | Cylinder Head Assembly(Loaded) |
| <b>Application:</b> Detroit Diesel Series 60 Engines |                        |                                |

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| OEM REFERENCE   | PAI REFERENCE          | DESCRIPTION                |
|---|------------------------|----------------------------|
| DDC 23505073  | <a href="#">660030</a> | Flywheel Housing(Aluminum) |
| <b>Application:</b> Detroit Diesel Series 60 Engines (SAE #1) |                        |                            |

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| OEM REFERENCE                                  | PAI REFERENCE            | DESCRIPTION          |
|--|--------------------------|----------------------|
| MAK 597GC210                                   | <a href="#">EHB-4137</a> | Compressor Drive Hub |
| <b>Application:</b> E7 / E-Tech / ASET Engines |                          |                      |

DRIVE TRAIN



| OEM REFERENCE                                      | PAI REFERENCE          | DESCRIPTION          |
|--|------------------------|----------------------|
| NAV 1830949C92                                     | <a href="#">405050</a> | Piston Ring Set(STD) |
| <b>Application:</b> International 444 7.3L Engines |                        |                      |

ENGINE



| OEM REFERENCE  | PAI REFERENCE          | DESCRIPTION  |
|--|------------------------|--|
| <b>NAV 1878571C95</b>  | <a href="#">480063</a> | Fuel Regulator Kit<br>Includes Regulator (1)480062<br>Connector Seal (1)436018 |
| <b>Application:</b> International 2000-2016 1000 / 3000 /4000 / 7000 & 8000 Series |                        |  |

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