



PAI MONTHLY NEWSLETTER - OCTOBER 2024 EDITION

# STAY CURRENT



World Tested. Performance Proven.

OCTOBER 2024



# STAY CURRENT

WORLD TESTED. PERFORMANCE PROVEN.

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## Price Reduced

| PAI Reference                  | OEM Reference      | Description    | PAI Reference              | OEM Reference          | Description        |
|--------------------------------|--------------------|----------------|----------------------------|------------------------|--------------------|
| <a href="#">BBG-6145</a>       | MAK 2719-78916     | Bearing        | <a href="#">181892OEM</a>  | <b>CUM 3046865</b>     | Thermostat Seat    |
| <a href="#">JUJ-6978OEM</a>    | <b>DAN SPL250X</b> | U-Joint        | <a href="#">181940OEM</a>  | <b>CUM 3864178</b>     | Thermostat Kit     |
| <a href="#">EVA-8136</a>       | MAK 690GC427       | Intake Valve   | <a href="#">191858OEM</a>  | <b>CUM 3417645</b>     | Injector Follower  |
| <a href="#">EE72890-003OEM</a> | <b>EAT 127595</b>  | Shim           | <a href="#">191891OEM</a>  | <b>CUM 4955389</b>     | Camshaft Kit       |
| <a href="#">EE72890-005OEM</a> | <b>EAT 127596</b>  | Shim           | <a href="#">209959XOEM</a> | <b>CUM 3074250PX</b>   | Injector Assembly  |
| <a href="#">EE90430</a>        | EAT 211486         | Gear Set       | <a href="#">321354</a>     | N/A                    | Liner Seal Kit     |
| <a href="#">EF06480OEM</a>     | <b>FUL 19128</b>   | Shift Fork     | <a href="#">331619OEM</a>  | <b>CAT 1973866</b>     | Gasket             |
| <a href="#">EF17450OEM</a>     | <b>FUL 18025</b>   | Cooler Core    | <a href="#">331672OEM</a>  | <b>CAT 2585646</b>     | Gasket             |
| <a href="#">EM89650</a>        | FUL 4304080        | Roller Bearing | <a href="#">331674OEM</a>  | <b>CAT 2725861</b>     | Gasket             |
| <a href="#">040153OEM</a>      | <b>CUM 3328637</b> | Screw w/ Stud  | <a href="#">336012</a>     | CAT 1425868            | Crankshaft Seal    |
| <a href="#">040159OEM</a>      | <b>CUM 3678882</b> | Bolt           | <a href="#">336013</a>     | CAT 1425867            | Crankshaft Seal    |
| <a href="#">042043OEM</a>      | <b>CUM 2880212</b> | V-Band Clamp   | <a href="#">340048OEM</a>  | <b>CAT 3134620</b>     | Capscrew           |
| <a href="#">042179OEM</a>      | <b>CUM 3905307</b> | Screw          | <a href="#">351511</a>     | CAT 6I2726             | Pin Bushing        |
| <a href="#">045056</a>         | CUM 3687058        | Cooling Nozzle | <a href="#">361612</a>     | CAT 1326881            | Cylinder Liner     |
| <a href="#">045102OEM</a>      | <b>CUM 4962476</b> | Cooler Bracket | <a href="#">381208</a>     | CAT 10R1887            | Turbocharger       |
| <a href="#">050713OEM</a>      | <b>CUM 3104227</b> | Wire Harness   | <a href="#">381817OEM</a>  | <b>CAT 3522163</b>     | Water Pump         |
| <a href="#">050721OEM</a>      | <b>CUM 4307496</b> | Sensor         | <a href="#">391920</a>     | CAT 4N5893             | Valve Insert       |
| <a href="#">060016OEM</a>      | <b>CUM 9245</b>    | Spacer         | <a href="#">431385OEM</a>  | <b>NAV 1889121C93</b>  | Gasket Kit         |
| <a href="#">060018OEM</a>      | <b>CUM 3967057</b> | Spacer         | <a href="#">450645OEM</a>  | <b>NAV 4097722C91</b>  | Level Sensor       |
| <a href="#">060089OEM</a>      | <b>CUM 3920758</b> | Gear Housing   | <a href="#">460061OEM</a>  | <b>NAV 1820465C4</b>   | Timing Cover       |
| <a href="#">121072OEM</a>      | <b>CUM 3286499</b> | Drain Hose     | <a href="#">480233OEM</a>  | <b>NAV 2511369C91</b>  | Fuel Pump          |
| <a href="#">141326OEM</a>      | <b>CUM 3882346</b> | Transfer Tube  | <a href="#">481827OEM</a>  | <b>NAV 1807974C94</b>  | Thermostat         |
| <a href="#">141333OEM</a>      | <b>CUM 3882586</b> | Plunger Spring | <a href="#">492083OEM</a>  | <b>NAV 1854756C1</b>   | Pushrod            |
| <a href="#">141390OEM</a>      | <b>CUM 3029848</b> | Oil Tube       | <a href="#">631251E</a>    | DDC 23532720           | Gasket Set         |
| <a href="#">141434OEM</a>      | <b>CUM 3918428</b> | Plunger        | <a href="#">640013OEM</a>  | <b>DDC 23517243</b>    | Spacer             |
| <a href="#">171881</a>         | CUM AR12251        | Bearing Kit    | <a href="#">641305OEM</a>  | <b>DDC A4721806851</b> | Oil P/U Tube Assy. |
| <a href="#">172026OEM</a>      | <b>CUM 3689641</b> | Idler Gear     | <a href="#">641340OEM</a>  | <b>DDC 23524520</b>    | Thermostat         |
| <a href="#">172027OEM</a>      | <b>CUM 3689001</b> | Sensor         | <a href="#">642000OEM</a>  | <b>DDC A4721860095</b> | Stand Pipe         |
| <a href="#">180292OEM</a>      | <b>CUM 3062157</b> | Tube Clamp     | <a href="#">650677OEM</a>  | <b>DDC 23535804</b>    | Sensor             |
| <a href="#">180943OEM</a>      | <b>CUM 3689465</b> | Idler Pulley   | <a href="#">651520E</a>    | DDC 8929690            | Camshaft Bearing   |
| <a href="#">181150OEM</a>      | <b>CUM 3819373</b> | Drain Tube     | <a href="#">671705</a>     | DDC 23531605           | Bearing Kit        |
| <a href="#">181877</a>         | CUM 4089908        | Water Pump Kit | <a href="#">680353OEM</a>  | <b>DDC 23535540</b>    | Fuel Pump          |



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## Price Reduced

| PAI Reference              | OEM Reference           | Description            |
|----------------------------|-------------------------|------------------------|
| <a href="#">681231</a>     | DDC 23523977            | Accessory Drive Pulley |
| <a href="#">681812</a>     | DDC 23526039            | Water Pump Assy.       |
| <a href="#">691839OEM</a>  | <b>DDC 23505898</b>     | Coolant Tube           |
| <a href="#">740229OEM</a>  | <b>FTL 22-54800-001</b> | Sensor                 |
| <a href="#">750822</a>     | MAK 2QK3377             | Spring Assembly        |
| <a href="#">840077OEM</a>  | <b>MAK 3088-5554902</b> | Fitting                |
| <a href="#">853773OEM</a>  | <b>MAK 22059325</b>     | Wire Harness           |
| <a href="#">900180OEM</a>  | <b>FUL K-2183</b>       | Shim Kit               |
| <a href="#">900187OEM</a>  | <b>FUL A-6338</b>       | Aux. Countershaft      |
| <a href="#">900466OEM</a>  | <b>FUL K-7035</b>       | Bearing & Seal Kit     |
| <a href="#">900622OEM</a>  | <b>FUL 3315737</b>      | Roller Bearing         |
| <a href="#">S60141-081</a> | N/A                     | Engine Kit             |
| <a href="#">MV1305-001</a> | N/A                     | Engine Kit             |



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## Featured Item: Detroit Diesel DD15 Exhaust Manifold Kit

PAI's Exhaust Manifolds are thoroughly tested to ensure optimum fit and performance on specific vehicle applications. This replacement Exhaust Manifold Kit (681168) fits Detroit Diesel DD15 Exhaust Manifold Assembly, replaces OEM pieces A4721420901 & A4721401914.



**GASKET & HARDWARE INCLUDED\***

**Pre-Assemble in the USA**

**Material: Cast Iron**

**Detroit Diesel DD15  
Engine Application**

**Ensures Optimum Fit  
and Performance**

**Direct Replacement for  
Detroit Diesel Manifold  
Front/Rear (A4721401914)**

**Direct Replacement for  
Detroit Diesel Manifold  
Center (A4721420901)**

**OEM Recommended Specs**

**2-Year Warranty**

| PAI Reference  | OEM Reference |
|--|---------------|
| <b>681168</b>  | --            |
| <b>Material:</b> Cast Iron   |               |
| <b>Mounting Hardware &amp; Gaskets Included</b>                      |               |
| <b>Description:</b> Exhaust Manifold Kit                             |               |
| <b>Application:</b> Detroit Diesel DD15 Exhaust Manifold Assembly    |               |
| <b>Front/Rear Manifold:</b> PAI Ref. 681148(2)   OE Ref. A4721401914 |               |
| <b>Center Manifold:</b> PAI Ref. 681147(1)   OE Ref. A4721420901     |               |
| <b>Note:</b> Preassembled in the USA                                 |               |

**TWO YEAR** WARRANTY Unlimited Mileage



**ORDER NOW**



**Call 800-654-3721 or visit [www.paiindustries.com](http://www.paiindustries.com) for additional Engine Components.**

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## Available PAI Oil Separator Filter Kits (Crankcase Breather Filters)



**ORDER NOW**

**Application**  
Detroit Diesel DD13, DD15, DD16



**TWO YEAR** WARRANTY Unlimited Mileage

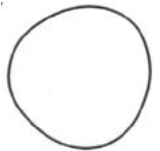


**ORDER NOW**

**Application**  
Detroit Diesel DD15  
Mack MP8, Volvo D13



**TWO YEAR** WARRANTY Unlimited Mileage



**ORDER NOW**

**Application**  
Volvo D13



**TWO YEAR** WARRANTY Unlimited Mileage

| PAI Ref.                                     | OEM Ref.               |
|--|------------------------|
| <b>641351</b>                                | <b>DDC A4720106662</b> |
| <b>Description:</b> Oil Separator Filter Kit |                        |
| Cab Use Towards 641350OEM Breather Assembly  |                        |

| PAI Ref.                                     | OEM Ref.               |
|--|------------------------|
| <b>641352</b>                                | <b>DDC A4720160204</b> |
| <b>Description:</b> Oil Separator Filter Kit |                        |
| Cab Use Towards 641350OEM Breather Assembly  |                        |

| PAI Ref.                                       | OEM Ref.            |
|--|---------------------|
| <b>880847</b>                                  | <b>MAK 21975945</b> |
| <b>Description:</b> Oil Separator Filter Kit   |                     |
| Use Towards 880845 Crankcase Breather Assembly |                     |

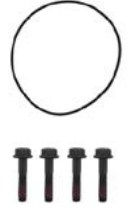


**ORDER NOW**

**Application**  
Mack/Volvo Multiple Use



**TWO YEAR** WARRANTY Unlimited Mileage



**ORDER NOW**

**Application**  
Volvo D11, Mack MP7



**TWO YEAR** WARRANTY Unlimited Mileage



**ORDER NOW**

**Application**  
Peterbilt MX-13 Series



**TWO YEAR** WARRANTY Unlimited Mileage

| PAI Ref.                                       | OEM Ref.            |
|--|---------------------|
| <b>880852</b>                                  | <b>MAK 21975947</b> |
| <b>Description:</b> Oil Separator Filter Kit   |                     |
| Use Towards 880846 Crankcase Breather Assembly |                     |

| PAI Ref.                                       | OEM Ref.            |
|--|---------------------|
| <b>880853</b>                                  | <b>MAK 21975959</b> |
| <b>Description:</b> Oil Separator Filter Kit   |                     |
| Use Towards 880844 Crankcase Breather Assembly |                     |

| PAI Ref.                                       | OEM Ref.           |
|--|--------------------|
| <b>730363</b>                                  | <b>PAC 1800194</b> |
| <b>Description:</b> Oil Separator Filter Kit   |                    |
| Use Towards 730362 Crankcase Breather Assembly |                    |

**Call 800-654-3721 or visit [www.paiindustries.com](http://www.paiindustries.com) for additional Engine Components.**

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| PAI Reference                              | OEM Reference  | Order |
|--|----------------|-------|
| <a href="#">481859</a>                     | NAV 2510603C92 |       |
| <b>Description:</b> Surge Tank             |                |       |
| <b>Application:</b> International Multiple |                |       |
| Hardware Included                          |                |       |



| PAI Reference                      | OEM Reference | Order |
|------------------------------------|---------------|-------|
| <a href="#">802657</a>             | VOL 84754710  |       |
| <b>Description:</b> Hood Cable     |               |       |
| <b>Application:</b> Volvo Multiple |               |       |
| 99in OAL                           |               |       |

Air & Electrical

Cab & Chassis

Drivetrain

Engine

Sensors



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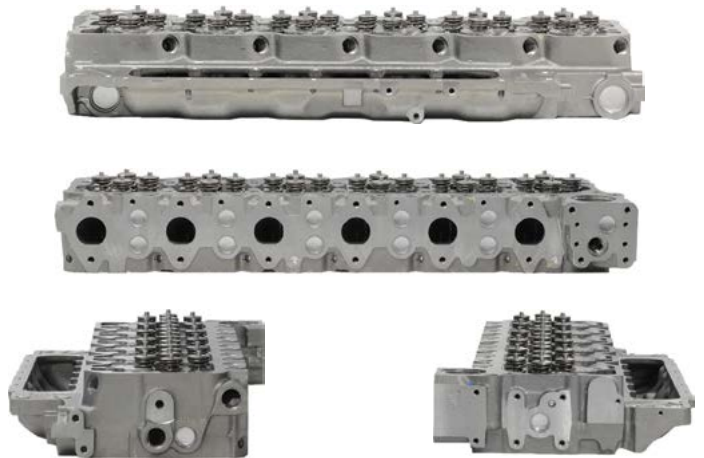
| PAI Reference                               | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">371627</a>                      | CAT 1W4405    |       |
| <b>Description:</b> Crankshaft Gear         |               |       |
| <b>Application:</b> Caterpillar 3300 Series |               |       |
| 40 Teeth                                    |               |       |



| PAI Reference                             | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">345007</a>                    | CAT 2767222   |       |
| <b>Description:</b> Piston Cooling Nozzle |               |       |
| <b>Application:</b> Caterpillar C11 & C13 |               |       |
|   |               |       |



| PAI Reference                                   | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">345069</a>                          | CAT 2470055   |       |
| <b>Description:</b> Coolant Hose                |               |       |
| <b>Application:</b> Caterpillar C15 & C15 Acert |               |       |
| Silicone w/ Nylon Mesh Sleeve   12.50in OAL     |               |       |



| PAI Reference                                     | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">060172E</a>                           | CUM 4936081   |       |
| <b>Description:</b> Loaded Cylinder Head Assembly |               |       |
| <b>Application:</b> Cummins ISB / QSB             |               |       |
|   |               |       |

Air & Electrical

Cab & Chassis

Drivetrain

Engine

Sensors





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| PAI Reference   | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">050525</a>                                | CUM 4936636   |       |
| <b>Description:</b> Crankcase Breather Filter Element |               |       |
| <b>Application:</b> Cummins 6.7L ISB                  |               |       |
| O-Rings Included   16.36in OAL                        |               |       |



| PAI Reference                            | OEM Reference   | Order |
|--|-----------------|-------|
| <a href="#">631407</a>                   | DDC A4710103605 |       |
| <b>Description:</b> Crankcase Gasket Kit |                 |       |
| <b>Application:</b> Detroit Diesel DD13  |                 |       |



| PAI Reference                               | OEM Reference   | Order |
|---|-----------------|-------|
| <a href="#">641296</a>                      | DDC A4710108113 |       |
| <b>Description:</b> Oil Pan Kit(Front Sump) |                 |       |
| <b>Application:</b> Detroit Diesel DD13     |                 |       |
| Gasket & Hardware Included                  |                 |       |



| PAI Reference   | OEM Reference | Order |
|---|---------------|-------|
| <a href="#">680373</a>  | DDC 23529322  |       |
| <b>Description:</b> Accessory Drive                             |               |       |
| <b>Application:</b> Detroit Diesel Series 60                    |               |       |
| 8 Groove Serpentine Pulley   37 Tooth Straight Drive Gear & EGR |               |       |

Air & Electrical  
Cab & Chassis  
Drivetrain  
Engine  
Sensors



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Air & Electrical Cab & Chassis Drivetrain Engine Sensors



| PAI Reference                                      | OEM Reference  | Order |
|--|----------------|-------|
| <a href="#">441422</a>                             | NAV 7090595C93 |       |
| <b>Description:</b> EGR Cooler Kit                 |                |       |
| <b>Application:</b> International DT-466E / DT-570 |                |       |



| PAI Reference  | OEM Reference | Order |
|--|---------------|-------|
| <a href="#">421023</a>   | NAV 1829802C1 |       |
| <b>Description:</b> High Pressure Fuel Hose                                  |               |       |
| <b>Application:</b> International DT-466E / DT-530E<br>9/16-18 JIC 37° Flare |               |       |



| PAI Reference  | OEM Reference | Order |
|--|---------------|-------|
| <a href="#">805063HP</a>                                       | N/A           |       |
| <b>Description:</b> High Performance Exhaust Manifold Assembly |               |       |
| <b>Application:</b> Mack E7                                    |               |       |
| Includes (1)EEX-1848 (104GC5165AM3) (2)EEX-2054 (104GC5164M)   |               |       |



| PAI Reference                 | OEM Reference | Order |
|-------------------------------|---------------|-------|
| <a href="#">860045</a>        | VOL 20730056  |       |
| <b>Description:</b> Flywheel  |               |       |
| <b>Application:</b> Volvo D12 |               |       |
| 153 Teeth                     |               |       |



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## New Engine Kits Available

| OEM REFERENCE | PAI REFERENCE                  | APPLICATION         |
|---------------|--------------------------------|---------------------|
| MAK 215SB200F | <a href="#">ERK-8033-001HP</a> | Mack E7             |
| N/A           | <a href="#">N14221E-017</a>    | Cummins N14         |
| N/A           | <a href="#">N14222E-017</a>    | Cummins N14         |
| N/A           | <a href="#">DD1502-145</a>     | Detroit Diesel DD15 |



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## Additional New Items

| PAI Reference              | OEM Reference        | Description     |
|----------------------------|----------------------|-----------------|
| <a href="#">040196</a>     | CUM 143066           | Cup Plug        |
| <a href="#">040197</a>     | CUM 156075           | Cup Plug        |
| <a href="#">042227</a>     | CUM 62392            | Washer          |
| <a href="#">042228</a>     | CUM 3900269          | Washer          |
| <a href="#">042229</a>     | CUM 3910960          | Washer          |
| <a href="#">321496</a>     | CAT 1195155          | O-Ring          |
| <a href="#">331151-200</a> | N/A                  | O-Ring Kit      |
| <a href="#">331222</a>     | CAT 2937638          | Gasket          |
| <a href="#">331350</a>     | CAT 8N6985           | Gasket          |
| <a href="#">331464</a>     | CAT 5M4741           | Gasket          |
| <a href="#">331789</a>     | CAT 2N8359           | Gasket          |
| <a href="#">331790</a>     | CAT 8H5027           | Gasket          |
| <a href="#">331791</a>     | CAT 4N4188           | Gasket          |
| <a href="#">470110E</a>    | NAV 1822321C91       | Main Bearing    |
| <a href="#">470111E</a>    | NAV 1822490C91       | Main Bearing    |
| <a href="#">640056E</a>    | DDC A0000111071      | Bolt            |
| <a href="#">803847</a>     | N/A                  | Window Felt Kit |
| <a href="#">803848</a>     | N/A                  | Window Felt Kit |
| <a href="#">821096</a>     | MAK 968007           | O-Ring          |
| <a href="#">831131</a>     | MAK 21570880         | Gasket          |
| <a href="#">836035OEM</a>  | <b>MAK 10QK3116M</b> | Oil Seal        |
| <a href="#">836048OEM</a>  | <b>MAK 22859766</b>  | Isolator        |
| <a href="#">836049OEM</a>  | <b>MAK 22859765</b>  | Isolator        |