



STAY CURRENT

ISO 9001 CERTIFIED

APRIL 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



AUTOADJUST

SELF-ADJUSTING CLUTCHES



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AUTO-ADJUST CLUTCH BENEFITS

- Maintains constant and optimal clutch adjustment to enhance clutch life and achieve peak performance.
- Dual Cam Springs to ensure balance clutch adjustment.
- Inbuilt over adjustment protection.
- Updated release Bearing Assembly with wide thrust pads, triple grease zerk and bearing slinger to keep out contamination
- Reduces clutch maintenance and truck downtime.
- Wear Indicator to quickly determine clutch life
- Use in Hydraulic and Non-hydraulic linkages across multiple truck applications.
- Made in USA with all new components.



ASSEMBLY, Clutch



PAI REF.	OEM REF.	Clamp Load (lbs)	No. of Disc Spring	Facing (Ceramic)	Torque Rating (lb/ft)	Flywheel (Volante) Minimum Opening	Heavy Duty Clutches 5-1/2" x 2" x 10"
960330	DAN 209701-74	3600	10	4 Pad	1650	8.5"	
960331	DAN 209701-93	3600	10	6 Pad	1810	8.5"	
960332	* DAN209701-61	3600	9	4 Pad	1700	10"	
960333	DAN 209701-85	4000	7	6 Pad	2050	10"	
960334	DAN 209701-32	4200	6	6 Pad	2250	10"	
960335	DAN 209701-82	3600	7	4 Pad	1700	10"	
960336	* DAN209701-92	4000	9	6 Pad	1850	10"	

* Mack Application Only



HIGH PERFORMANCE

WORLD TESTED. PERFORMANCE PROVEN.

TECH TIPS OF THE MONTH



This month's article covers the anti-friction coating that PAI is incorporating on our piston skirts. Next month, we will explain the anti-friction coating applied to PAI HP piston rings.

The PAI HP **piston skirts** are treated with a new, highly developed anti-friction coating process. The coating is designed to lower scuffing and wear while providing a dry lubricant that is highly resistant to contamination and reduces parasitic drag.

- Lower Friction
- Lower Heat
- Longer Life
- Better Fuel Economy
- 3 Year Warranty

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
BCR-2179	MAK 95KH11	Cover
EFW-3843	MAK 530GB3170M	Flywheel
LPP-5651	MAK 20QE349A	Valve Kit
LPP-5652	MAK 745-280399	Valve Kit
LPP-5657	MAK 745-285356	Valve Kit
FGW-5762-006	N/A	Windshield
GBK-8958	N/A	Bearing/Seal Kit
CCA-9733	MAK 2104-10805059A	Clutch Assembly
AHS-9906	MAK 7843-3434075	Hub Cap
EF65580	FUL K-2343	Bearing Kit
EM19420	MAK 11ME229P6	Clamp
040132	CUM 3818122	Screw
040133	CUM 3927948	Screw
045065	CUM 4937311	Cooling Nozzle
050626	CUM 2897334	Sensor Kit
060103	CUM 3941786	Seal
101168	N/A	Cylinder Kit
101188	N/A	Cylinder Kit
121338	CUM 4985660	Rectangular Ring
121410	CUM 3803017	Repair Kit
131453	CUM 3918174	Gasket
131632	CUM 4024957	Upper Gasket Set
131726	CUM 3800487	Gasket Kit
131751	CUM 4902952	Fuel Pump Gasket
131756	CUM 4955523	Upper Gasket Set
131758	CUM 3043097	Gasket
131848	CUM 4933223	Gasket
151541	N/A	Accessory Drive Kit
151557	N/A	Cam Bearing Kit
171915	N/A	Rod Bearing Kit
180911	CUM 3064392	Shaft Assy.

PAI REFERENCE	OEM REFERENCE	DESCRIPTION
181909	CUM 3804826	Pump Assy.
191868	CUM 3944984	Camshaft Assy.
301045	N/A	Cylinder Kit
301047	N/A	Cylinder Kit
301048	N/A	Cylinder Kit
301049	N/A	Cylinder Kit
301050	N/A	Cylinder Kit
301051	N/A	Cylinder Kit
301052	N/A	Cylinder Kit
301053	N/A	Cylinder Kit
301056	N/A	Cylinder Kit
301059	N/A	Cylinder Kit
301065	N/A	Cylinder Kit
301075	N/A	Cylinder Kit
311078	CAT 197-9371	Piston Pin
311113	CAT 238-2698	Piston
311114	N/A	Piston Kit
311121	CAT 130-0241	Piston Skirt
311155	CAT 132-6663	Piston Skirt
331323	CAT 7X2524	Gasket Kit
331505	CAT 200-2258	Gasket
370008	CAT 160-1799	Crankshaft Assy.
370045	CAT 337-0201	Crankshaft Assy.
381803	CAT 4P3683	Water Pump Assy.
381809	CAT 224-3238	Water Pump Assy.
381812	CAT 2W1223	Water Pump Assy.
391898	CAT 333-0379	Camshaft
391945	CAT 7W7490	Intake Valve
391965	CAT 7W7491	Exhaust Valve
401046	NAV 1824757C97	Cylinder Kit
401074	N/A	Cylinder Kit



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Click Part# for more details

PAI REFERENCE	OEM REFERENCE	DESCRIPTION
442030	NAV 1825504C1	Drain Plug
442032	NAV 1872269C91	Drain Plug Kit
481830	NAV 1801191C91	Thermostat Kit
491007	NAV 676687C4	Intake Valve
505134	CUM 4089181	Ring Set
605067	DDC 5149942	Piston Ring Set
631336	N/A	Pan Gasket Kit
640031	DDC 23524882	Screw
740256	FTL A06-30769-008	Switch
740314	FTL A06-51907-006	Headlamp
740381	FTL A18-52044-001	Regulator
741430	FTL 14-17273-000	Steering Link
750118	HDK 66670-000H	Torque Rod End
801120	MAK 2MH365	Fan Blade
801131	MAK 85124623	Water Pump Kit
803742	GUN HR935F	Rear Disc Hub
805025	MAK 634GC5337M	Flywheel Housing Kit
808131	N/A	Nest Kit
836023	N/A	Front Cranshaft Seal
840010	MAK 965216	Screw
840141	MAK 142GC35M	Nut
900024	FUL 4302421	Gear
900154	FUL 4303359	Mainshaft
940155E	ROK B-41686-1	Gear Set
C70102-001	N/A	Engine Kit
C70102-017	N/A	Engine Kit
C70102-018	N/A	Engine Kit
C70102-022	N/A	Engine Kit
C70102-033	N/A	Engine Kit
C70102-049	N/A	Engine Kit
C70102-065	N/A	Engine Kit

PAI REFERENCE	OEM REFERENCE	DESCRIPTION
C70102-081	N/A	Engine Kit
C70102-097	N/A	Engine Kit
C70102-113	N/A	Engine Kit
ISB606-102	N/A	Engine Kit
ISB606-106	N/A	Engine Kit
ISB606-107	N/A	Engine Kit
ISB606-108	N/A	Engine Kit
ISB606-111	N/A	Engine Kit
ISB606-114	N/A	Engine Kit
ISB607-101	N/A	Engine Kit
ISX103-017	N/A	Engine Kit
ISX121-033	N/A	Engine Kit
ISX121-049	N/A	Engine Kit
N14221-017HP	N/A	Engine Kit
330409-001	N/A	Engine Kit
330659-001	N/A	Engine Kit
330659-017	N/A	Engine Kit
S60110-017	N/A	Engine Kit
S60110-033	N/A	Engine Kit



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
HAL KN31000	802632	Pressure Protection Valve (Opened @ 65psi, Closed @ 56psi)

Application: Multiple Applications

AIR & ELECTRICAL



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 1MR3571	853742	A/C Pressure Switch

Application: Mack Universal

CAB & CHASSIS



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 1MR3575M	853744	A/C Pressure Switch

Application: Mack Universal

DRIVE TRAIN



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 20QE3316M	EM36480	MV 3 Control Module

Application: Multiple Applications

ENGINE



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 7546-110410	802590	Relay Valve

Application: Multiple Applications



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 1MR4336	804141	Wiper Switch
Application: Mack CHN / CV / CX / CXN & CXU Models		



Front



Back

OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 7MT335M	804400	Air Gauge (Dual Needle) (Mechanical) (0-150 psig)
Application: Mack MR / MRU Models		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 38QC4142P2	804219	Power Steering Pump
Application: Mack CV / CT / CTP / CL / LE / LEU & MR688S Models		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
VOL 20477428	801123	Fan Blade (11 Blades) (29.75in OD) (2.56in ID)
Application: Mack Universal		

Please Note: OEM reference #'s in bold indicate parts that are supplied from OEM.

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DRIVE TRAIN

ENGINE



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 131040	960225	Pinion Gear
Application: Dana R170/S170 Differential		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 2-40-971	960154	Tube Shaft(16 Teeth)(Weld)
Application: Dana 1310 Series Yoke End		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 4-28-307	960133	Tube Yoke(Weld)
Application: Dana 1550 Series		

DRIVE TRAIN



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 5-40-1051	960163	Tube Shaft(Weld)
Application: Dana 1610 Series Yoke End		

ENGINE



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960166
Shown

OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 6.5-53-171	960166	Tube Shaft(Weld)
Application: Dana 1810 Series Yoke End		

OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 6-5-53-411	960164	Tube Shaft(Weld)
Application: Dana 1710 Series Yoke End		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
EAT 211494	920139	Gear Set(7.17 Ratio)
Application: Eaton RS / RA / RD / 344 /404 / 405 & 454		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
FUL 4300191	EF61830HP	Countershaft Gear
Application: Fuller 14713 / 14718 / 16713 Series		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 24KH1940A	BRP-7906	Gear Set(4.64 Ratio)(Fine Spline)
Application: Mack CRD 92/112		



CCB-9699-062
Shown

OEM REFERENCE	PAI REFERENCE	DESCRIPTION
N/A	CCB-9699-062	Clutch Brake(2in)(w/ Steel Pins) (.062 Oversize Material)
Application: Mack Universal		

OEM REFERENCE	PAI REFERENCE	DESCRIPTION
N/A	CCB-9699-125	Clutch Brake (2in)(w/ Steel Pins) (.125 Oversize Material)
Application: Mack Universal		



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CAT 135-2151	381251	Belt Tensioner
Application: Caterpillar 3126 / C7		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CAT 227-3006	341372	Oil Pan
Application: Caterpillar C15 ACERT		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
N/A	301080	Cylinder Kit
Application: Caterpillar C16 / 3406E ACERT		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CUM 3054228	209973X	Injector Assembly(Reman)
Application: Cummins 855		

CAB & CHASSIS



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CUM 3802778	181195E	Turbocharger
Application: Cummins ISB		

DRIVE TRAIN



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CUM 4920517	060007	Flywheel Housing
Application: Cummins ISM / L10 / M11		

ENGINE



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC 2352272	660010	Valve Cover
Application: Detroit Diesel Series 60		