

**Engine Kits • Fuel Injectors • Oil Pumps • Cam Shafts • Crank Shafts
Transmissions • Turbochargers • Bearings, Seals And Gaskets
Sensors And Thermostats**



IN-FRAME AND OUT OF FRAME ENGINE KITS:

Opened Engine Kits Are Non-Returnable & Non-Refundable

Engine Make	Engine Model	PAI Part#
MACK	E-7 (E-TECH)	PA1ERK-8036-001
	E-6 (2-Valve)	PA18001-001
	MP7	PA1MP7101-001
	MP8	PA1MP8101-001
CUMMINS	N14	PA1N14221-017
	ISX (Piston less)	PA1ISX141-017
	ISB	PA1ISB606-026
DETROIT DIESEL	SERIES 60 (11 Liter)	PA1S60102-033
	SERIES 60 (12.7 Liter)	PA1S60106-017
CATERPILLAR	3406E	PA1340671-010
	3116	PA1311601-001
	3126E	PA1312601-001
INTERNATIONAL	DT466E 97-07	PA1466111-001
	DT530E	PA1530102-001
	DT360	PA1360204-001

**Engine Information
Needed Before Any Part
Is Supplied:**

MACK

- Complete VIN # or
- Model Serial # and Engine Serial # (11GBA #)

CUMMINS

- Engine Serial #
- Engine Arrangement #

DETROIT DIESEL

- Engine Serial #

CATERPILLAR

- Engine Serial#
- Engine Arrangement #

NAVISTAR

- Last 8 digits of VIN #
- Engine Serial #



**Unlimited Mile
Warranty:**

Gears	3 Years
Engine Kits	2 Years
All PAI Parts	1 Year

FOR ALL NON-STOCK ITEMS PAI OFFERS QUICK TURNAROUNDS!

- Rush orders submitted by 11 AM will ship SAME DAY
- Stock orders placed at any time will ship within 24 hours

ProDiesel®

PRO-DIESEL OFFERS THE MOST COMPLETE LINE OF HEAVY DUTY FUEL INJECTORS

- REMANUFACTURED (not REBUILT) injectors and pumps including solenoids
- New tips in Cummins Celect & Detroit Diesel Electronic injectors
- Labor paid to authorized repair centers
- Core acceptance – blown tips or broken tips are accepted, no charge backs on cracked or missing electrical contacts
- More reasonable than OE's on core charge
- Provide "test injector" program (check & advise)
- 96% order fill rate with same day shipping
- ProDiesel® will drop ship with no handling fees
- ProDiesel's product catalog is the single most comprehensive tool to the end-user (Provided at no cost)
- Quality packaging with plastic inserts can be used for core returns

CATERPILLAR

C/C	PART NO	DESCRIPTION
CATERPILLAR INJECTORS		
76	PD OR9257R	CAT 3406E
	PD 10R1273R	CAT 3406E
	PD 10R1000R	CAT 3406E
	PD OR9258R	CAT 3406E
	PD OR4893R	CAT 3406E
	PD OR4894R	CAT 3406E
89	PD OR4895R	CAT 3406E
	PD OR9350R	CAT 3126E
	PD 10R 0782R	CAT 3126E
	PD OR9348R	CAT 3126E
81	PD OR9349R	CAT 3126E
	PD 10R4761R	CAT C7
	PD 10R4763R	CAT C7
	PD 10R4762R	CAT C7

C/C	PART NO	DESCRIPTION
CATERPILLAR MID RANGE INJECTORS		
89	PD OR9348R	CAT 3126E
	PD 10R0782R	CAT 3126E
	PD OR9349R	CAT 3126E
	PD OR9350R	CAT 3126E
	PD 10R4761R	CAT C7
81	PD 10R4763R	CAT C7
	PD 10R4762R	CAT C7
	PD 10R7222R	CAT C9
85	PD 10R7224R	CAT C9
	PD 10R7225R	CAT C9
	PD 10R7223R	CAT C9
	PD 10R7221R	CAT C9



CAT 3406E
C/C 76



CAT 3126E
C/C 89

CAT C7 & C9
C/C 81, 85

CUMMINS



CUM ISX
C/C 95



Celect & ISM
C/C 15



VP44 FUEL
PUMP 5.9
C/C 573



LIFT PUMP
VP44/5.9
C/C 50



CUM HPCR PUMP
C/C 328



CUM 5.9L
C/C 93



CUM 6.7L
C/C 58



CUM 8.3L
C/C 59

C/C	PART NO	DESCRIPTION
CUMMINS INJECTORS		
15	PD 4902921R	ISM INJECTOR
	PD 4902925R	ISM INJECTOR
95	PD 4088665R	ISX INJECTOR
	PD 4062567R	ISX INJECTOR
	PD 4088327R	ISX INJECTOR
15	PD 4062568R	ISX INJECTOR
	PD 3411767R	CELECT INJECTOR
	PD 3411758R	CELECT INJECTOR
	PD 3411766R	CELECT INJECTOR
	PD 3411756R	CELECT INJECTOR
	PD 3411753R	CELECT INJECTOR
	PD 3411759R	CELECT INJECTOR
	PD 3411765R	CELECT INJECTOR
	PD 3411752R	CELECT INJECTOR
PD 3411763R	CELECT INJECTOR	
	PD 3411752R	CELECT INJECTOR

C/C	PART NO	DESCRIPTION
CUMMINS LIGHT/MID RANGE PUMPS AND INJECTORS		
573	PD IPVR15XR	VP44 FUEL PUMP 5.9
	PD IPVR16XR	VP44 FUEL PUMP 5.9
	PD IPVR11XR	VP44 FUEL PUMP 5.9
50	PD PD4943048	LIFT PUMP FOR VP44/5.9
328	PD 5264246R	HIGH PRESSURE CR PUMP 5.9
	PD 5264247R	HIGH PRESSURE CR PUMP 6.7
93	PD 5263318R	CR INJECTOR 5.9
	PD 5263316R	CR INJECTOR 5.9
58	PD 5253221R	CR INJECTOR 6.7
	PD 5253220R	CR INJECTOR 6.7
59	PD 4994928R	CR INJECTOR 6.7
	PD 5263305R	CR INJECTOR ISL 8.3
	PD 2563310R	CR INJECTOR ISL 8.3
	PD 5263262R	CR INJECTOR ISL 8.3
	PD 4940171R	CR INJECTOR QSL 8.3
	PD 4993482R	CR INJECTOR QSL 8.3

C/C	PART NO	DESCRIPTION
CUMMINS INJECTION PUMP		
373	PD 3090942R	CELECT INJ. PUMP - 12V
	PD 3090942RFB	CELECT INJ. PUMP - 12V



Celect Inj Pump
C/C 373

ProDiesel Warranty
 Nationwide Limited Warranty:
 12/18 months / Unlimited Mileage
 NON-PRORATED Warranty

DETROIT

C/C	PART NO	DESCRIPTION
DETROIT INJECTORS		
79	PD 0414703003R	N3 / DDEC5 / EGR
	PD 0414703002R	N3 / DDEC5 / EGR
72	PD 5237045R	SERIES 60
	PD 5237650R	SERIES 60
	PD 5235575R	SERIES 60
	PD 5236977R	SERIES 60
	PD 5236978R	SERIES 60
	PD 5237466R	SERIES 60
	PD 5237820R	SERIES 60
	PD 5237821R	SERIES 60



DD SERIES 60 COMP
C/C 70

C/C	PART NO	DESCRIPTION
DETROIT INJECTION PUMP		
70	PD 3505245	SERIES 60 COMPRESSOR



DDS N3
C/C 79



DDS S 60
C/C 72



VOL E3
C/C 18

VOLVO

C/C	PART NO	DESCRIPTION
VOLVO INJECTORS		
18	PD 631007R	JUNE-97 THRU JUNE 2000
	PD 631006R	JULY-98 THRU JUNE 2002

GM / DURAMAX



DURAMAX 6.6 PUMP
C/C 42



GM 6.6L
DURAMAX
C/C 96 & 99



GM 6.6L
DURAMAX
C/C 94

C/C	PART NO	DESCRIPTION
GM/DURAMAX PUMPS AND INJECTORS		
328	PD 97208073R	HIGH PRESSURE CR PUMP 6.6
	PD 97303762R	HIGH PRESSURE CR PUMP 6.6
42	PD 97361351R	HIGH PRESSURE CR PUMP 6.6
94	PD 97208074R	CR INJECTOR 6.6
96	PD 97303657R	CR INJECTOR 6.6
99	PD 97361355R	CR INJECTOR 6.6
	PD 98002368R	CR INJECTOR 6.6

FORD / NAVISTAR



FORD 6.0L POWER STROKE
C/C 75



INT G2.9
C/C 97 & 102

C/C	PART NO	DESCRIPTION
FORD/NAVISTAR INJECTORS		
74	PD F81Z9E527CRM	AD CODE/7.3/T444E
	PD F81Z9E527BRM	AB CODE/7.3/T444E
	PD F81Z9E527DRM	AA/CODE/7.3/T444E
	PD XC3Z9E527AARM	AE/LONG LEAD #8 FOR CACKEL 7.3/T444E
75	PD EM100	6.0/VT365/VT265 2002-2003
	PD LM200	6.0/VT365/VT265 2004-2010
74	PD 1830741C93R	BI CODE/DT466E
	PD 1830694C91R	BN CODE/DT466E
	PD 1829839C94R	BE CODE/DT466E
97	PD 1842223C91R	MAXFORCE G2.9
	PD 1842224C91R	MAXFORCE G2.9
102	PD 1848489C91R	MAXFORCE G2.9
97	PD 1848721C92R	MAXFORCE G2.9
	PD 1842225C91R	MAXFORCE G2.9

FORD / INTERNATIONAL



NAV T444E & DT466E
C/C 74



FORD 6.0L POWER STROKE
C/C 75

C/C	PART NO	DESCRIPTION
FORD/INTERNATIONAL INJECTORS		
74	PD F81Z9E527CRM	AD Code/PowerStroke/T444
	PD F81Z9E527BRM	AB Code/PowerStroke/T444
	PD F81Z9E527DRM	AA Code PowerStroke/T444
	PD 1830741C93R	BI Code International Transit
	PD 1829839C94R	BE Code/PowerStroke/DT466
	PD 1836251C91R	BP Code/PowerStroke/DT466
75	PD LM200	2004-2006 6.0L Ford
	PD EM100	2002-2004 6.0L Ford

ProDiesel Warranty

Nationwide Limited Warranty: 12/18 months / Unlimited Mileage NON-PRORATED Warranty

The ProVantage Warranty

is an over the counter "instant" product replacement designed to streamline the warranty process for the end user customer.



Unlimited Mile Warranty:

Gears	3 Years
Engine Kits	2 Years
All PAI Parts	1 Year

Engine Information Needed Before Any Part Is Supplied:

MACK

- Complete VIN # or
- Model Serial # and Engine Serial # (11GBA #)

CUMMINS

- Engine Serial #
- Engine Arrangement #

DETROIT DIESEL

- Engine Serial #

CATERPILLAR

- Engine Serial#
- Engine Arrangement #

NAVISTAR

- Last 8 digits of VIN #
- Engine Serial #

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OIL PUMPS

Engine Make	Engine Model	PAI Part#	OEM Reference#
MACK	E-7	PA1EOP-3336	MAK315GC472M
CUMMINS	N14	PA1141294	CUM3803698
DETROIT DIESEL	SERIES 60	PA1641212	DDC23527448
CATERPILLAR	3100 SERIES/C7	PA1341309	CAT2105559
INTERATIONAL	DT466	PA1441207	NAV1842563C94



CAM SHAFTS

Engine Make	Engine Model	PAI Part#	OEM Reference#
MACK	E-7	PA1ECK-9009	MAK57GC2190E
CUMMINS	N14	PA1191874	CUM3411327
DETROIT DIESEL	SERIES 60 (12.7 Liter)	PA1691920	DDC23524912
INTERATIONAL	DT466 (Early)	PA1490016	NAV1836156C5



CRANK SHAFTS

Engine Make	Engine Model	PAI Part#	OEM Reference#
MACK	E-7	PA1ECR-2089	MAK57GC2145
CUMMINS	N14	PA1171719	CUM3064291
DETROIT DIESEL	SERIES 60 (12.7 Liter)	PA1671651	DDC23515598
CATERPILLAR	3100 SERIES/C7	PA1370007	CAT1051725
INTERATIONAL	DT466 (Early)	PA1470005	NAV675669C92

CLUTCH INSTALLATION KITS



RT Series (K-2468)	MC MIK1	MaxHD Premium Kit	Viton high temp pilot bearing, MC HB200 hinged clutch brake
	SCS3474 600 006	Sachs OE kit	Viton high temp pilot bearing, 127760 1 piece clutch brake
	PA1EF66030	Standard kit	Nitrile pilot bearing, 127760 1 piece clutch brake
FR Series (K-3600)	MC MIK3	MaxHD Premium Kit (K-3600)	New design input shaft, Viton high temp pilot bearing, MC HB200 hinged clutch brake
	PA1900172	Standard kit (K-3600)	New design input shaft, Nitrile pilot bearing, 127760 1 piece clutch brake
FR Series (K-3602)	SCS3474 600 018	Sachs OE kit (K-3602)	Original design input shaft, Viton high temp pilot bearing, 127760 1 piece clutch brake

TECH TIP:

If you're changing your clutch, now is a good time to change your rear engine seal.

Midwest Wheel can now supply you with both front and rear engine seals for most of your heavy duty needs.



TURBOCHARGERS



Engine Make	Engine Model	PAI Part#	OEM Reference#
MACK	E-7 (E-TECH)	PA1EM82640	MAK631GC5153AM
CUMMINS	855	PA1ETC-9255	CUM3523417
DETROIT DIESEL	SERIES 60 (12.7 Liter)	PA1ETC-9277	SCH172743
CATERPILLAR	3126B	PA1381184	CAT1918028
INTERATIONAL	DT466E / 530E	PA1481211	NAV1830497C93

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**Unlimited
Mile Warranty:**

Gears	3 Years
Engine Kits	2 Years
All PAI Parts	1 Year

PAI offers a complete line of bearings, seals and gaskets for all heavy duty engine makes and models.



Contact your sales representative for details on your specific needs today!

SENSORS AND THERMOSTATS



TEMPERATURE SENSORS



Temperature Sensor

PAI #	OEM #	APPLICATION	DESCRIPTION
PA1050670	CUM3865312	CUMMINS L10,M11,ISM,N14	SENSOR, Temperature
PA1050672	CUM3865346	CUMMINS ISX	SENSOR, Temperature
PA1650655	DDC23514708	DETROIT SERIES 60	SENSOR, Temperature
PA1650656	DDC23518092	DETROIT SERIES 60	SENSOR, Temperature
PA1650660	DDC23527830	DETROIT SERIES 60	SENSOR, Coolant/Oil Temperature
PA1650662	DDC23515250	DETROIT SERIES 60	SENSOR, Temperature
PA1FSU-0557	MAK64MT2103	MACK E7	SENSOR, Temperature
PA1FSU-0564	MAK64MT2113AM	MACK E7	SENSOR, Oil Temperature
PA1MTM-0590	MAK64MT324	MACK	SENDER, Transmitter
PA1450603	NAV479758C1	NAVISTAR	SENSOR, Temperature
PA1450604	NAV1889995C91	NAVISTAR	KIT, Sensor Temperature
PA1MSW-0530	MAK64MT146	MACK/VOLVO	SENDER, Oil Temperature

PRESSURE SENSORS



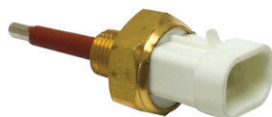
Oil Pressure Sensor



Oil Pressure Sensor

PAI #	OEM #	APPLICATION	DESCRIPTION
PA1050650	CUM3080406	CUMMINS L10,M11,ISM,N14	SENSOR, Oil Pressure
PA1050652	CUM3084521	CUMMINS L10,M11,ISM,N14	SENSOR, Pressure Boost
PA1050691	CUM3408607	CUMMINS L10,M11,ISM,N14	SWITCH, Oil Pressure
PA1650641	DDC23522322	DETROIT SERIES 60	SENSOR, Boost
PA1650657	DDC23532797	DETROIT SERIES 60	SENSOR, Oil Pressure
PA1650681	DDC23527829	DETROIT	SENSOR, Pressure Boost
PA1650700	DDC23527828	DETROIT	SENSOR, Oil Pressure
PA1FSU-0558	MAK64MT2114	MACK E7	SENSOR, Oil Pressure
PA1FSU-0569	MAK20898038	MACK	SENSOR, Fuel Pressure
PA1450610	NAV1807369C2	NAVISTAR 466,530	SENSOR, Oil Pressure
PA1450630	NAV1840078C1	NAVISTAR	SENSOR, Manifold Pressure

LEVEL SENSORS



Coolant Level Sensor

PAI #	OEM #	APPLICATION	DESCRIPTION
PA1050673	CUM4903489	CUMMINS L10,M11,ISM,N14	SENSOR, Coolant Level
PA1650648	DDC23522855	DETROIT	SENSOR, Coolant Level
PA1650649	DDC23503510	DETROIT SERIES 60	SENSOR, Coolant Level
PA1650650	DDC23520380	DETROIT SERIES 60	SENSOR, Coolant Level
PA1FWP-0534	MAK64MT436	MACK	PROBE, Radiator Water Level
PA1FSU-0537	MAK16MB48AP22	MACK	SENDER, Fuel Level
PA1FSU-0538	MAK16MB48BP10	MACK	SENDER, Fuel Level
PA1FSU-0555	MAK64MT299M	MACK E7	SENSOR, Coolant Level
PA1FSU-0556	MAK64MT466	MACK E7	SENSOR, Coolant Level

POSITION SENSORS



*Crankshaft Position
Sensor*

PAI #	OEM #	APPLICATION	DESCRIPTION
PA1050700	CUM3408503	CUMMINS L10,M11, ISM, N14	SENSOR, Cam/Crank Position
PA1650665	DDC8929387	DETROIT SERIES 60	SENSOR, Idler
PA1650666	DDC8929388	DETROIT SERIES 60	SENSOR, Crankshaft
PA1650667	DDC23527339	DETROIT SERIES 60	SENSOR, Crankshaft
PA1650668	DDC23527338	DETROIT SERIES 60	SENSOR, Cam Position
PA1450649	NAV1828345C91	NAVISTAR	SENSOR, Cam/Crank Position
PA1450650	NAV1885812C91	NAVISTAR	SENSOR, Cam Position

SPEED SENSORS



*Tachometer
Sensor*



*Speedometer
Sensor*

PAI #	OEM #	APPLICATION	DESCRIPTION
PA1MSU-0592	MAK64MT348	MACK	SENSOR, Tachometer
PA1MSU-0593	MAK64MT2105M	MACK	SENSOR, Engine Timing Event
PA1MSU-0594	MAK64MT435	MACK	SENSOR, Speed/Tachometer
PA1MSU-0595	N/A	MACK	SENSOR, Speedometer
PA1MSU-0596	MAK64MT440M	MACK	SENSOR, Tachometer
PA1450590	NAV556915C91	NAVISTAR	SENSOR, Tachometer
PA1450598	NAV2503117C1	NAVISTAR	SENSOR, Speedometer
PA1450599	NAV3528003C1	NAVISTAR	SENSOR, Speedometer
PA1450600	NAV1658556C91	NAVISTAR	SENSOR, Dual Speedometer
PA1MSU-0598	MAK64MT439M	MACK/VOLVO	SENSOR, Speedometer

THERMOSTATS



PAI #	OEM #	APPLICATION	DESCRIPTION
PA1381850	CAT614950	CAT 3406 - C15	THERMOSTAT (180 degree) (Non-vented)
PA1381851	CAT7C3095	CAT 3406 - C15	THERMOSTAT (190 degree) (Non-vented)
PA1181830	CUM201737	CUMMINS 855,L10, M11, ISM, N14	KIT, Thermostat (180 degree) (Non-vented) Includes (1) Thermostat Seal
PA1681850	DDC23532436	DETROIT SERIES 60	KIT, Thermostat (190 degree) (Non-vented) Includes (1) Thermostat Seal
PA1481832	NAV1830256C93	NAVISTAR	KIT, Thermostat (190 degree) (Non-vented) Includes (1) O-Ring
PA1EAS-3295-180	MAK215SB165BP3	MACK E6/E7	KIT, Thermostat (180°) (Vented) Includes Seal & Gasket
PA1ETK-3299	MAK215SB169A	MACK ASET	KIT, Thermostat(ASET)(180 & 185 deg.) (Both Vented) Includes Thermostats (2) Seals (2) EOS-3305

Date:
Request from:
Branch Location:
Phone #:

Caterpillar Engines: Need to have Engine Serial Number and Arrangement Number

Engine Family:	Engine Serial #	Arrangement #
Piston #(if possible)	Rod Bearing #	Main Bearing #
Standard Size	YES	NO
	Rod Bearing	Main Bearings
Notes:		

Cummins Engines: Need to have Engine Serial Number and CPL Number

Engine Family:	Engine Serial #	CPL #
Piston #(if possible)	Cylinder Sleeve #	Rod Bearing #
Standard Size	YES	NO
	Cylinder Sleeve	Rod Bearing:
Piston:	Main Bearings:	
Notes:		

Detroit Engines: Need to have Engine Serial Number that starts with 06R(will be a total of 10 digits with 06R being part of the number)

Engine Serial #:	Rod Bearing #	Main Bearing #
	Rod Bearing:	Main Bearings:
Standard Size	YES	NO
	Valve Cover Gasket Needed	YES
		NO
Notes:		

Navistar Engines: Need to have the last 8 digits of the Truck Serial #

Truck Serial #:	Rod Bearing #	Main Bearing #
Piston #:	Rod Bearing:	Main Bearings:
Engine Serial #(if possible)		
Standard Size	YES	NO
Notes:		

Mack Engines: 2 pieces of information needed to work on Mack Engines

1. Truck Model and last 6 digits

2. The Engine Assy. # will be 11GBA (Located on the engine tag on the front Valve Cover of the engine)

Truck Model #	Serial #	11GBA #
Piston/Crown #:	Cylinder Sleeve #:	Rod Bearing#
Standard Size	YES	NO
	Rod Brg:	Main Brg:
Cylinder Sleeve:		
Notes:		

Request followed up by: _____ @ PAI

August 17, 2016 (30PAI and ProDiesel Catalog Offerings)



MIDWESTWHEEL
COMPANIES
SINCE 1911



HDA
TRUCK PRIDE



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MEMBER



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KANSAS CITY
5801 E. Front St.
MAIN 816.471.1552
FAX 816.471.0813
PARTS 800.821.7402