



INTERSTATE-McBEE



**New and Remanufactured
Replacement Parts for
DETROIT DIESEL®
53, 71, 92 AND
149 SERIES ENGINES**



February 2020

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53 SERIES

IN-FRAME KITS

PART #	DESCRIPTION
A-253	Kit - Inframe
A-353	Kit - Inframe
A-353T	Kit - Inframe
A-453	Kit - Inframe
A-453T	Kit - Inframe
A-6V53	Kit - Inframe
A-6V53T	Kit - Inframe

OVERHAUL KITS

PART #	DESCRIPTION
A-253-OH	Kit - Engine Overhaul
A-353-OH	Kit - Engine Overhaul
A-353T-OH	Kit - Engine Overhaul
A-453-OH	Kit - Engine Overhaul
A-453T-OH	Kit - Engine Overhaul
A-6V53-OH	Kit - Engine Overhaul
A-6V53T-OH	Kit - Engine Overhaul



53 SERIES

ENGINE BEARINGS

PART #	3	4	6V	DESCRIPTION		NOTE
A-5149452	3	4		Connecting Rod Bearing	STD	
A-5149454	3	4		Connecting Rod Bearing	.010"	
A-5149455	3	4		Connecting Rod Bearing	.020"	
A-5149456	3	4		Connecting Rod Bearing	.030"	
A-5197975			6	Connecting Rod Bearing	STD	
A-5197977			6	Connecting Rod Bearing	.010"	
A-5197978			6	Connecting Rod Bearing	.020"	
A-5197979			6	Connecting Rod Bearing	.030"	
A-8924357	4	5		Main Bearing	STD	Non-turbo / non-slotted
A-8924359	4	5		Main Bearing	.010"	Non-turbo / non-slotted
A-8924360	4	5		Main Bearing	.020"	Non-turbo / non-slotted
A-8924361	4	5		Main Bearing	.030"	Non-turbo / non-slotted
A-5149447	4	5		Main Bearing	STD	Turbocharged / slotted
A-5149449	4	5		Main Bearing	.010"	Turbocharged / slotted
A-5149450	4	5		Main Bearing	.020"	Turbocharged / slotted
A-5149451	4	5		Main Bearing	.030"	Turbocharged / slotted
A-5195927			4	Main Bearing	STD	Thru S/N 6D11073 on marine models &
A-5196685			4	Main Bearing	.010"	Thru S/N 6D17959 on all others
A-5196686			4	Main Bearing	.020"	
A-5196687			4	Main Bearing	.030"	
A-5198410			4	Main Bearing (7-hole)	STD	S/N 6D11074 & up on marine models &
A-5198412			4	Main Bearing (7-hole)	.010"	S/N 6D17960 & up on all others
A-5198413			4	Main Bearing (7-hole)	.020"	
A-5198414			4	Main Bearing (7-hole)	.030"	
A-5116197	4	4		Thrust Washer	STD	
A-5196755	4	4		Thrust Washer	.005"	
A-5196756	4	4		Thrust Washer	.010"	
A-5159353			4	Thrust Washer	STD	
A-5160542			4	Thrust Washer	.005"	
A-5192111			4	Thrust Washer	.010"	
A-141346	4	4	4	Thrust Washer Dowel		
A-5198209	1			Cam Bushing Set	STD	
A-5198470	1			Cam Bushing Set	.010"	
A-5198471	1			Cam Bushing Set	.020"	
A-5198984		1		Cam Bushing Set	STD	
A-5198978		1		Cam Bushing Set	.010"	
A-5198981		1		Cam Bushing Set	.020"	
A-5197944			1	Cam Bushing Set	STD	
A-5197945			1	Cam Bushing Set	.010"	
A-5197946			1	Cam Bushing Set	.020"	
A-5116198	2	2	2	Cam Thrust Washer		
A-5196793	1	1	1	Idler Gear Bushing		
A-5132504	2	2	2	Idler Gear Thrust Washer		
A-5116181	6	8	12	Connecting Rod Bushing		Non-turbo trunk engines

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53 SERIES

GASKET SETS

PART #	3	4	6V	DESCRIPTION	NOTE
A-23517623	1			Overhaul Gasket Set	With cork R/C gasket #
A-23517624		1		Overhaul Gasket Set	With cork R/C gasket #
A-23512690			1	Overhaul Gasket Set	With cork R/C gasket #
A-23521366			1	Overhaul Gasket Set Turbo Engine	With cork R/C gasket #
A-8927743			1	Overhaul Gasket Set 5063-5396	
A-5199811	1		2	Cylinder Head Gasket Set	With cork R/C gasket
A-5199812		1		Cylinder Head Gasket Set	With cork R/C gasket
A5198041	1			Blower Installation Set	
A-5198042		1		Blower Installation Set	
A-5198043			1	Blower Installation Set	
NOTE: # The above sets do not include crankshaft seals and contain only basic cooler gaskets.					

CRANKSHAFT SEALS

PART #	3	4	6V	DESCRIPTION	NOTE
A-5116224	1	1	1	Front Seal -- Lip Type STD	
A-5198503	1	1	1	Front Seal -- Lip Type O/S	
A-5138796			1	Front Seal -- Lip Type STD	2.87" OD military
A-5198502	1	1	1	Front Wear Sleeve	Use with O/S seal
A-5116229	1	1	1	Rear Seal -- Lip Type STD	Single lip
A-5196852	1	1	1	Rear Seal -- Lip Type O/S	Single lip
A-5128917	1	1	1	Rear Seal -- Lip Type STD	Double lip
A-8926902	1	1	1	Rear Seal -- Directional Type STD	RH engine rotation
A-8924374	1	1	1	Rear Seal -- Directional Type O/S	RH engine rotation
A-23516636	1	1	1	Rear Wear Sleeve	Use with O/S seal

ROCKER COVER MOUNTING

PART #	3	4	6V	DESCRIPTION	NOTE
A-5147994	1		2	Cover Gasket - Cork	For stamped steel R/C
A-5147506		1		Cover Gasket - Cork	For stamped steel R/C
A-8925273	1		2	Cover Gasket - Silicone	For cast aluminum R/C
A-8925274		1		Cover Gasket - Silicone	For cast aluminum R/C
A-5104515	2	2	4	Isolator	For cast aluminum R/C
A-5104514	2	2	4	Isolator Washer	For cast aluminum R/C

53 SERIES

CYLINDER HEAD COMPONENTS

4-VALVE

PART #	3	4	6V	DESCRIPTION	NOTE
A-5199323	12	16	24	Valve Kit - 4-valve	Non-turbocharged
A-5197176	12	16	24	Valve Kit - 4-valve	Turbocharged - coded "U"
A-5116341	24	32	48	Valve Lock	
A-5144019	12	16	24	Valve Spring HIGH-LIFT	.135" wire diameter
A-5147424	12	16	24	Valve Spring LOW-LIFT	.148" wire diameter
A-5123330	12	16	24	Valve Spring Cap	
A-5111467	12	16	24	Valve Spring Seat	
A-5198529	12	16	24	Valve Guide Kit	Contains guide & seal
A-5131961	12	16	24	Valve Guide	
A-8921741	12	16	24	Valve Guide Seal	Metal with teflon lip
A-8921501	12	16	24	Valve Insert (seat) STD	Non-turbocharged
A-5196752	12	16	24	Valve Insert (seat) .010" O/S	Non-turbocharged
A-8921502	12	16	24	Valve Insert (seat) STD	Turbocharged
A-5128640	9	12	18	Push Rod	
A-5151601	9	12	18	Push Rod Nut	
A-5186858	9	12	18	Push Rod Spring	< S/N 3D6127,4D8548,6D2708
A-5108918	9	12	18	Push Rod Spring	S/N 3D6128,4D8549,6D2709 & up
A-5150303	9	12	18	Push Rod Spring Retainer	
A-5150302	9	12	18	Push Rod Spring Seat Upper	
A-5108919	9	12	18	Push Rod Spring Seat Upper	
A-5123250	9	12	18	Push Rod Spring Seat Lower	
A-8924439	9	12	18	Follower Assembly	
A-8923814	9	12	18	Follower Roller Set	Includes roller, bushing & pin
A-5116125	3	4	6	Follower Guide	
A-443603	6	8	12	Follower Guide Bolt	
A-103319	6	8	12	Follower Guide Lockwasher	
A-5135267	3	4	6	Rocker Arm Valve - Left	
A-5135268	3	4	6	Rocker Arm Valve - Right	
A-8923554	3	4	6	Rocker Arm - Injector	MCB4355 repair kit available
A-5116072	3	4	6	Rocker Shaft	
A-5119198	6	8	12	Rocker Shaft Bracket Bolt	
A-8925981	3	4	6	Injector Tube Kit STD	
A-8925981A	3	4	6	Injector Tube Kit O/S	Heavy nose
A-5119293	4	6	8	Water Nozzle Double Jet	
A-8926992	6	8	12	Fuel Connector	Flared type
A-23504075	6	8	12	Fuel Connector	Seal ring type
A-8925644	6	8	12	Fuel Connector Washer	
A-23511852	6	8	12	Fuel Jumper Line	Flared type
A-23504074	6	8	12	Fuel Jumper Line	Seal ring type
A-8925804	4	5	8	Exhaust Manifold Stud	
A-23505398	4	5	8	Exhaust Manifold Nut	
A-5104439	4	5	8	Exhaust Manifold Washer	
A-5116205	1		2	Exhaust Manifold Gasket	
A-5119006		1		Exhaust Manifold Gasket	
A-5147994	1		2	Rocker Cover Gasket - Cork	For steel cover
A-5147506		1		Rocker Cover Gasket - Cork	For steel cover
A-8925273	1		2	Rocker Cover Gasket - Silicone	For cast aluminum cover
A-8925274		1		Rocker Cover Gasket - Silicone	For cast aluminum cover

53 SERIES

CYLINDER HEAD COMPONENTS

2-VALVE

PART #	3	4	6V	DESCRIPTION	NOTE
A-5195948	6	8		Valve Kit - 2-valve	
A-5111337	12	16		Valve Lock	
A-5116140	6	8		Valve Spring	
A-5111338	6	8		Valve Spring Cap	
A-5129919	6	8		Valve Guide - 2-valve	
A-8921209	6	8		Valve Guide Seal - 2-valve	
A-5116196	6	8		Valve Insert (seat) STD	
A-5128640	9	12		Push Rod	
A-5151601	9	12		Push Rod Nut	
A-5186858	9	12		Push Rod Spring	< S/N 3D6127,4D8548
A-5108918	9	12		Push Rod Spring	S/N 3D6128,4D8549 & up
A-5150303	9	12		Push Rod Spring Retainer	
A-5150302	9	12		Push Rod Spring Seat Upper	
A-5108919	9	12		Push Rod Spring Seat Upper	
A-5123250	9	12		Push Rod Spring Seat Lower	
A-8924439	9	12		Follower Assembly	
A-8923814	9	12		Follower Roller Set	Includes roller, bushing & pin
A-5116125	3	4		Follower Guide	
A-443603	6	8		Follower Guide Bolt	
A-103319	6	8		Follower Guide Lockwasher	
A-5116072	3	4		Rocker Shaft	
A-5119198	6	8		Rocker Shaft Bracket Bolt	
A-8925981	3	4		Injector Tube Kit STD	
A-8925981A	3	4		Injector Tube Kit O/S	Heavy nose
A-8926992	6	8		Fuel Connector	Flared type
A-8925644	6	8		Fuel Connector Washer	
A-23511852	6	8		Fuel Jumper Line	Flared type
A-8925804	4	5		Exhaust Manifold Stud	
A-23505398	4	5		Exhaust Manifold Nut	
A-5104439	4	5		Exhaust Manifold Washer	
A-5116205	1			Exhaust Manifold Gasket	
A-5119006		1		Exhaust Manifold Gasket	
A-5147994	1			Rocker Cover Gasket - Cork	For steel cover
A-5147506		1		Rocker Cover Gasket - Cork	For steel cover
A-8925273	1			Rocker Cover Gasket - Silicone	For cast aluminum cover
A-8925274		1		Rocker Cover Gasket - Silicone	For cast aluminum cover

FUEL INJECTOR & MOUNTING

PART #	3	4	6V	DESCRIPTION	NOTE
Refer to the INTERSTATE-McBEE FUEL INJECTION CATALOG for DETROIT DIESEL® for a complete listing of injector assemblies and components.					
A-23511852	6	8	12	Fuel Jumper Line	Flared style
A-8926992	6	8	12	Fuel Connector	Flared style
A-8925644	6	8	12	Fuel Connector Washer	
A-5121259	3	4	6	Injector Clamp	
A-5150250	3	4	6	Injector Clamp Washer	

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53 SERIES

FUEL PUMP

PART #	3	4	6V	DESCRIPTION	NOTE
A-5199560	1	1	1	Fuel Pump Assembly	LH standard capacity
R-5199560	1	1	1	Fuel Pump Assembly - Rebuilt	LH standard capacity
A-5199561	1	1	1	Fuel Pump Assembly	RH standard capacity
R-5199561	1	1	1	Fuel Pump Assembly - Rebuilt	RH standard capacity
A-5199734			1	Fuel Pump Assembly	RH high capacity
R-5199734			1	Fuel Pump Assembly - Rebuilt	RH high capacity
A-5195078	1	1	1	Fuel Pump Repair Kit	For standard capacity
A-5149599			1	Fuel Pump Repair Kit	For high capacity
A-5154216	1	1		Fuel Pump Drive Coupling	
A-5102257			1	Fuel Pump Drive Fork	
A-5150193	1	1	1	Fuel Pump Mounting Gasket	
A-5110760	1	1	1	Fuel Primer Hand Pump	

GOVERNOR COMPONENTS

PART #	3	4	6V	DESCRIPTION	NOTE
A-5122742	1	1		Cover Gasket	Cover to operating housing
A-5121342			1	Cover Gasket	Cover to operating housing
A-9431894	1	1	1	Bearing	Operating shaft upper
A-9431887	1	1		Bearing	Operating shaft lower
A-9436682			1	Bearing	Operating shaft lower (954987)
A-9428477	1	1		Cup Plug	15/16" lower bearing retainer
A-116337			1	Dish Plug	1-1/16" lower bearing retainer
A-5109544	1	1		Riser Assembly	
A-5125367			1	Riser Assembly	
A-9437108	1	1	1	Riser Thrust Bearing	
A-9438907			1	Riser Thrust Bearing	
A-23506244	1	1		Carrier Shaft Bearing	
A-9424121			1	Carrier Shaft Bearing	(907674)
A-5116336	1	1		Governor Mounting Gasket	Governor to end plate
A-5121345			1	Governor Mounting Gasket	Governor to blower

INJECTOR CONTROL

PART #	3	4	6V	DESCRIPTION	NOTE
A-5116264	2	2	4	Injector Control Tube Bracket	
A-5116265	1	1	2	Injector Control Tube Spring	
A-5129705	1	1		Control Link Hose	7/8" ID x .75"L B&D engines
A-5129707	1	1		Control Link Hose	7/8" ID x 1.26"L A&C engines
A-5129706			1	Control Link Hose	7/8" ID x 1.62"L R Bank
A-5129705			2	Control Link Hose	7/8" ID x .75"L L Bank
A-5186840	2	2	4	Clamp	

53 SERIES

BLOWER & BLOWER DRIVE

PART #	3	4	6V	DESCRIPTION	NOTE
A-5198683	1	1	1	Blower Repair Kit	
A-5142266	4	4	4	End Plate Seal - STD	
A-5199366	4	4	4	End Plate Seal - OS	
A-5199368	4	4	4	Rotor Shaft Sleeve	Use with OS seal
A-5198041	1			Blower Installation Kit	
A-5198042		1		Blower Installation Kit	
A-5198043			1	Blower Installation Kit	
A-8922967		1	1	Drive Shaft	6 7/16"L
A-9414044		1	1	Drive Shaft Snap Ring	
A-5119284		1		Drive Shaft Hub	
A-5116418			1	Drive Shaft Hub	
A-5119285		1	1	Hub Thrust Washer	
A-9411765		1	1	Hub Retainer Ring	
A-8922969		1	1	Drive Coupling	
A-8922970		1	1	--Cam	
A-5196614		1	1	--Spring Pack	

TURBOCHARGER MOUNTING

PART #	3	4	6V	DESCRIPTION	NOTE
A-5103394	1	1		Mounting Gasket	T04 model turbo
A-8929529			1	Mounting Gasket	TV6/7 model turbo
A-8927270	4	4		Stud	3/8-16/24 x 1.62"
A-5131433	4	4	4	Washer	
A-9411981	4	4	4	Nut	3/8-16/24
A-5162888			1	Air Outlet Hose	

OIL PUMP

PART #	3	4	6V	DESCRIPTION	NOTE
A-5116110	1			Oil Pump Non-Turbo	
A-5121042		1		Oil Pump Non-Turbo	
A-5116070			1	Oil Pump	
A-5195714	1			Rotor Set	
A-5195957		1		Rotor Set	
A-5195687			1	Rotor Set	
A-5195685	1	1	1	Cover	Rotor retainer
A-145067	2	2	2	Drive Screw	
A-5116386	1	1		Gasket	Lower cover assy. to block
A-5119368			1	Gasket	Lower cover assy. to block
A-5177777	2	2		Reg & Relief Valve	
A-5126436	2	2	2	Spring	
A-5177773	2	2	2	Gasket	

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53 SERIES

OIL COOLER

PART #	3	4	6V	DESCRIPTION	NOTE
A-8547548	1			Oil Cooler Core 6-plate	
A-8547563	1	1	1	Oil Cooler Core 8-plate	
A-8547581	1	1	1	Oil Cooler Core 13-plate	
A-8547547			1	Oil Cooler Core 16-plate	
A-8547195			1	Oil Cooler Core 18-plate	

OIL FILLER & DIPSTICK

PART #	3	4	6V	DESCRIPTION	NOTE
A-5107106	1	1	1	Filler Cap - 1.5" diameter	Expansion rubber type
A-5120098	1	1	1	Filler Cap - 1.75" diameter	Expansion rubber type
A-5117362	1	1	1	Filler Cap - 2" diameter	Expansion rubber type
A-5108474	1	1	1	Filler Cap	One-half twist type in R/C
A-5146679	1	1	1	Dipstick - Universal Unmarked	61"L expansion type
A-5146680	1	1	1	Dipstick - Universal Unmarked	72"L cane handle type

WATER PUMP

PART #	3	4	6V	DESCRIPTION	NOTE
A-23506003	1	1	1	Pump Assembly - Left Hand	
A-23506007	1	1	1	Pump Assembly - Right Hand	
A-23506863	1	1	1	Rebuild Kit - Left Hand	Early style
A-23506864	1	1	1	Rebuild Kit - Right Hand	Early style
A-23506869	1	1	1	Rebuild Kit - Left Hand	Late style
A-23506865	1	1	1	Rebuild Kit - Right Hand	Late style
A-23506605	1	1	1	Impeller - Left Hand	Early style
A-23506606	1	1	1	Impeller - Right Hand	Early style
A-23505993	1	1	1	Impeller - Left Hand	Late style
A-23505994	1	1	1	Impeller - Right Hand	Late style
A-904827	1	1	1	Shaft & Bearing Assembly	
A-23506248	1	1	1	Unitized Seal Assembly	
A-5119282	1	1	1	Cover Gasket	
A-5133107	1	1	1	Mounting Gasket	

THERMOSTAT

PART #	3	4	6V	DESCRIPTION	NOTE
A-3041379	1	1		Thermostat - 170° F	
A-8927465	1	1		Thermostat - 170° F	Rapid warm up
A-8927466	1	1		Thermostat - 180° F	Rapid warm up
A-5143210			2	Thermostat - 170° F	Full blocking requires seal
A-5124872			2	Thermostat - 170° F	Full blocking requires seal
A-5104462			2	Thermostat - 180° F	Full blocking requires seal

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GASKET LISTING

DESCRIPTION	NOTE	PART#	3	4	6V
Air Box Cover Bolt Gasket		A-23505525			4
Air Box Cover Gasket		A-5116380	1		
Air Box Cover Gasket		A-5116381		1	
Air Box Cover Gasket		A-5132117			4
Air Inlet Housing Gasket	To blower with screen	A-5196053	1		
Air Inlet Housing Gasket	To blower with screen	A-5196054		1	
Air Inlet Housing Gasket	To blower with screen	A-5122610			1
Air Inlet Housing Gasket	To bypass blower - no screen	A-8924562	1		
Air Inlet Housing Gasket	To bypass blower - no screen	A-8924555		1	
Air Inlet Housing Gasket	To bypass blower - no screen	A-8927733			1
Blower End Cover Gasket	For bypass blower	A-8924554	1	1	
Bypass Valve Seal	For bypass blower	A-8923959	1	1	1
Blower End Plate Gasket	For bypass blower	A-23520633			2
Exhaust Manifold Gasket		A-23524218	1		2
Exhaust Manifold Gasket		A-5119006		1	
Flywheel Housing Cover Gasket	Large hole (cam & bal)	A-23515145	2	2	2
Flywheel Housing Gasket		A-23506158	1	1	
Flywheel Housing Gasket		A-5137470			1
Fuel Pump Mounting Gasket		A-5150193	1	1	1
Governor Cover Gasket	Mechanical governor	A-5122742	1	1	
Governor Cover Gasket	Mechanical governor	A-5121342			1
Lower Front Cover Gasket		A-5116386	1	1	
Lower Front Cover Gasket		A-5119368			1
Oil Cooler Adaptor Gasket	Strip to block	A-5103906	1	1	
Oil Cooler Adaptor Gasket	Round to block	A-5175882	3	4	
Oil Cooler Core Gasket	Large center hole (race track)	A-23501591	1	AR	AR
Oil Cooler Core Gasket	Solid center (hockey rink)	A-8923223	1	AR	AR
Oil Pan Gasket	For stamped pan	A-5116256	1		
Oil Pan Gasket	For stamped pan	A-5116257		1	
Oil Pan Gasket	For stamped pan	A-5119266			1
Oil Pan Gasket	For cast iron pan	A-5196059	1		
Oil Pan Gasket	For cast iron pan	A-5196060		1	
Oil Pan Gasket	For cast iron pan	A-5196061			1
Oil Pickup Tube Gasket		A-5126473			1
Oil Pickup Tube Seal	White paint	A-5127175	1	1	
Rocker Cover Gasket - Cork	For steel cover	A-5147994	1		2
Rocker Cover Gasket - Cork	For steel cover	A-5147506		1	
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-8925273	1		2
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-8925274		1	
Rocker Cover Isolator	For cast aluminum cover	A-5104515	2	2	2
Thermostat Outlet Elbow		A-5116092	1	1	2
Turbocharger Mounting Gasket	TO4 model turbo	A-5103394	1	1	2
Turbocharger Mounting Gasket	TV model turbo	A-8929529			1
Turbocharger Oil Gasket	Supply	A-5170466	1	1	1
Turbocharger Oil Gasket	Drain TO4 model turbo	A-5138977	1	1	2
Turbocharger Oil Gasket	Drain TV model turbo	A-5170468			1
Upper Front Cover Gasket		A-5121082	1	1	
Upper Front Cover Gasket		A-5124055			1
Water Bypass Tube Seal		A-5184301	1	1	
Water Pump Mounting Gasket		A-5133107	1	1	1

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CYLINDER KIT COMPONENTS

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CYLINDER KIT	LINERLESS KIT	LINER	LINER SEAL	PISTON	CROWN	SKIRT	RING SET	PIN	RETAINER	SLIPPER	PISTON SEAL
A-5149734	A-LCK9734	A-5132803	(2) A-5121256	A-8920717			A-5149359	A-5106902	(2) A-5108175		
A-5198899	A-LCK8899	A-5132803	(2) A-5121256	A-5198877			A-5149942	A-5116189	(2) A-5108131		
A-5198903	A-LCK8903	A-5132803	(2) A-5121256	A-5195931			A-5198822	A-5116189	(2) A-5108131		
A-5198904	A-LCK8904	A-5132803	(2) A-5121256	A-5198877			A-5198902	A-5116189	(2) A-5108131		
A-5199116	A-LCK9116	A-5132803	(2) A-5121256	A-5198877			A-5198901	A-5116189	(2) A-5108131		
A-23503778	A-LCK3778	A-5132803	(2) A-5121256		A-23503948	A-8924002	A-23503780	A-8924735	(2) A-8924731	A-23504946	A-8924733
A-23503810	A-LCK3811	A-8926088	(2) A-5121256		A-23503948	A-8924002	A-8927223	A-8924735	(2) A-8924731	A-23504946	A-8924733
A-23503811	A-LCK3811	A-5132803	(2) A-5121256		A-23503948	A-8924002	A-8927223	A-8924735	(2) A-8924731	A-23504946	A-8924733
A-23501863	A-LCK1863	A-5132803	(2) A-5121256	A-5198877			A-23501520	A-5116189	(2) A-5108131		
A-23512732	A-LCK2732	A-5132803	(2) A-5121256		A-23503948	A-8924002	A-23512731	A-8924735	(2) A-8924731	A-23504946	A-8924733

OVERSIZE LINER REFERENCE

SIZE	LINER	LINER SEAL
.010" OS	A-5101016	(2) A-5121256
.020" OS	A-5149944	(2) A-5149945

CONNECTING ROD HARDWARE

QTY.	PART #	DESCRIPTION
2	A-8924734	Pin Bolt
2	A-8924732	Pin Bolt Spacer
2	A-5197852	Rod Cap Bolt
2	A-839103	Rod Cap Bolt Nut

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IN-FRAME KITS

PART #	DESCRIPTION
A-271-2V-3	Kit - Inframe
A-371	Kit - Inframe
A-371-XH	Kit - Inframe
A-471	Kit - Inframe
A-471-XH	Kit - Inframe
A-671	Kit - Inframe
A-671-XH	Kit - Inframe

OVERHAUL KITS

PART #	DESCRIPTION
A-271-2V-3-OH	Kit - Engine Overhaul
A-371-OH	Kit - Engine Overhaul
A-371-XH-OH	Kit - Engine Overhaul
A-471-OH	Kit - Engine Overhaul
A-471-XH-OH	Kit - Engine Overhaul
A-671-OH	Kit - Engine Overhaul
A-671-XH-OH	Kit - Engine Overhaul



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ENGINE BEARINGS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-23511129	2	3	4	6	Connecting Rod Bearing STD	
A-23511133	2	3	4	6	Connecting Rod Bearing .010"	
A-23511135	2	3	4	6	Connecting Rod Bearing .020"	
A-23511137	2	3	4	6	Connecting Rod Bearing .030"	
A-5192874	3	4	5	7	Main Bearing STD	
A-5192876	3	4	5	7	Main Bearing .010"	
A-5192877	3	4	5	7	Main Bearing .020"	
A-5192878	3	4	5	7	Main Bearing .030"	
A-5159353	4	4	4	4	Thrust Washer STD	
A-5160542	4	4	4	4	Thrust Washer .005"	
A-5192111	4	4	4	4	Thrust Washer .010"	
A-141346	4	4	4	4	Thrust Washer Dowel	
A-5194609	5				Cam Bushing 1.5" W	
A-5111422		4	4	4	Cam End Bearing	
A-5194858		4	4	4	Cam End Bearing .010" USID	
A-5196022		2	3	5	Cam Intermediate Bearing STD	
A-5196023		2	3	5	Cam Intermediate Brg .010" USID	
A-5115572		4	6	10	Ring Lock	
A-5111424		4	4	4	Cam Thrust Washer STD	
A-5194826		4	4	4	Cam Thrust Washer .005" OS	
A-5194827		4	4	4	Cam Thrust Washer .010" OS	
A-7451948		1	1	1	Idler Gear Bearing	
A-5103534		6	6	6	Idler Gear Bearing Lock Bolt	Do not reuse
A-5157274	4	6	8	12	Connecting Rod Bushing	For trunk non-turbo rods

ROCKER COVER MOUNTING

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5144484	1				Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143405		1			Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143406			1		Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143407				1	Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5104018		1			Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5104081			1		Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5104019				1	Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5149510		1			Cast Cover Installation Kit	
A-5149511			1		Cast Cover Installation Kit	
A-5149512				1	Cast Cover Installation Kit	
A-5104015		2	2	4	Cast Cover Hold Down Bolt	
A-5104515		2	2	4	Cast Cover Isolator	
A-5104514		2	2	4	Cast Cover Isolator Washer	

71 SERIES OVERHAUL GASKET SETS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5192434	1				Overhaul Gasket Set	With R/C gasket / no crank seals
A-5192921		1			Overhaul Gasket Set - Low Block	#
A-5192922			1		Overhaul Gasket Set - Low Block	#
A-5192923				1	Overhaul Gasket Set - Low Block	#
A-23512674		1			Overhaul Gasket Set - High Block	S/N 3A08330 & up #
A-23512675			1		Overhaul Gasket Set - High Block	S/N 4A19529 & up #
MCB471011			1		Overhaul Gasket Set - High Block	4-71 in TS14/18 scrapers #
A-23512676				1	Overhaul Gasket Set - High Block	S/N 6A16283 & up #
NOTE: # These sets do not include rocker cover gaskets or crankshaft seals and only basic cooler gaskets.						

HEAD GASKET SETS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5192433	1				Head Gasket Set	With R/C gasket
A-5192924		1			Head Gasket Set - Low Block	**
A-5192925			1		Head Gasket Set - Low Block	**
A-5192926				1	Head Gasket Set - Low Block	**
A-5193116		1			Head Gasket Set - High Block	S/N 3A08330 & up **
A-5198676			1		Head Gasket Set - High Block	S/N 4A19529 & up **
A-5195742				1	Head Gasket Set - High Block	S/N 6A16283 & up **
NOTE: ** These sets do not include rocker cover gaskets.						

BLOWER GASKET SETS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5192320	1				Blower Installation Kit	
A-5192752		1			Blower Installation Kit	
A-5192753			1		Blower Installation Kit	
A-5192754				1	Blower Installation Kit	
A-23514286				1	Blower Installation Kit	TA / TTA bypass blower units
A-5192106		1			Oil Pump Gasket Set	Oil pump & pan gaskets
A-5192107			1		Oil Pump Gasket Set	Oil pump & pan gaskets
A-5192108				1	Oil Pump Gasket Set	Oil pump & pan gaskets

FRONT CRANKSHAFT SEALS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5154314	1				Front Seal - Lip Type	
A-5154316	1				Front Seal Spacer	
A-5115454		1	1	1	Front Seal - Lip Type	
A-5143108		1	1	1	Front Seal - Lip Type	Double lip
A-23514608		1	1	1	Front Seal - Teflon / Directional	RH engine rotation
A-23514609		1	1	1	Front Seal - Teflon / Directional	LH engine rotation
A-23507306		1	1	1	Front Seal Spacer	2.81" L

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REAR CRANKSHAFT SEALS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5114335	1	1	1	1	Rear Seal - Single Lip Type STD	For dry hsg
A-5197860	1	1	1	1	Rear Seal - Single Lip Type O/S	For dry hsg / use wear sleeve
A-5127821		1	1	1	Rear Seal - Double Lip Type STD	For wet hsg
A-5196927		1	1	1	Rear Seal - Double Lip Type O/S	For wet hsg / use wear sleeve
A-8927746		1	1	1	Rear Seal - Teflon / Directional STD	RH eng. rot. / dry hsg
A-8927748		1	1	1	Rear Seal - Teflon / Directional O/S	RH eng. rot. / dry hsg / use sleeve
A-23504821		1	1	1	Rear Seal - Teflon / Directional O/S	RH eng. rot. / wet hsg / use sleeve
A-8927747		1	1	1	Rear Seal - Teflon / Directional STD	LH eng. rot. / dry hsg
A-8927749		1	1	1	Rear Seal - Teflon / Directional O/S	LH eng. rot. / dry hsg / use sleeve
A-23507411		1	1	1	Rear Seal - Teflon / Directional O/S	LH eng. rot. / wet hsg / use sleeve
A-5192496	1	1	1	1	Rear Seal Spacer	
A-23507225	1	1	1	1	O/S Rear Seal Sleeve	

CYLINDER HEAD COMPONENTS

2-VALVE

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5193197	4	6	8	12	Valve Kit	With locks
A-5193666		6	8	12	Valve Kit - High HP	With locks
A-23507238	8	12	16	24	Valve Lock	
A-5150289	4	6	8	12	Valve Spring	
A-5120930	4	6	8	12	Valve Guide	
A-23500480	4	6	8	12	Valve Guide Seal	
A-8927920	4	6	8	12	Valve Seat (Insert) STD	
A-5198230	4	6	8	12	Valve Seat (Insert) .010" OS	
A-5128640	6	9	12	18	Push Rod	
A-5151601	6	9	12	18	Push Rod Nut	
A-5186858	6	9	12	18	Push Rod Spring	.177" wire dia.
A-5150302		9	12	18	Push Rod Spring Seat - Upper	
A-5123250		9	12	18	Push Rod Spring Seat - Lower	
A-5150303		9	12	18	Push Rod Retainer	
A-8924439	6	9	12	18	Follower Assembly	
A-5106413		3	4	6	Follower Guide	
A-443603		6	8	12	Guide Bolt	
A-8923814	6	9	12	18	Roller & Pin Set	
A-8925981	2	3	4	6	Injector Tube Kit STD	With seal
A-8925981A	2	3	4	6	Injector Tube Kit OS	Thicker nose with seal
A-5172874		4	4	4	Water Nozzle Single Jet	
A-5111332		4	6	10	Water Nozzle Double Jet	
A-8923554	2	3	4	6	Rocker Arm - Injector	MCB4355 repair kit available
A-23500714	2	3	4	6	Rocker Shaft	
A-5103903	4	6	8	12	Rocker Shaft Bracket	
A-5150325	4	6	8	12	Rocker Shaft Bracket Bolt	
A-23511856		6	8	12	Fuel Jumper Line	For straight body injectors
A-8926992	4				Fuel Connector	
A-5117369		6	8	12	Fuel Connector	
A-5152148	4				Fuel Connector Washer	
A-5125108		6	8	12	Fuel Connector Washer	
A-8927270	6				Exhaust Manifold Stud	
A-8925804		4	5	7	Exhaust Manifold Stud	
A-23505398		4	5	7	Exhaust Manifold Nut	
A-5104439		2	3	5	Exhaust Manifold Washer	
A-8927270		6	8	12	Water Manifold Stud	

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CYLINDER HEAD COMPONENTS

4-VALVE

PART #	2	3	4	6	DESCRIPTION	NOTE
A-23500501		12	16	24	Valve Kit	With locks / code (U)
A-5149386			16	24	Valve Kit - High HP	With locks / code (J6)
A-5111337		12	16	24	Valve Lock	
A-5147347		12	16	24	Valve Spring	
A-5117563		12	16	24	Valve Spring Cap (retainer)	
A-5117562		12	16	24	Valve Spring Seat	
A-5129919		12	16	24	Valve Guide	
A-5129919+.002		12	16	24	Valve Guide	.002" OS OD
A-5129919+.005		12	16	24	Valve Guide	.005" OS OD
A-8921209		12	16	24	Valve Guide Seal	Steel with teflon lip
A-5101101		12	16	24	Valve Seat (Insert) STD	
A-5197167		12	16	24	Valve Seat (Insert) .010" OS	
A-5117565		6	8	12	Valve Bridge	
A-5129101		6	8	12	Valve Bridge Adjuster Screw	
A-5151601		6	8	12	Valve Bridge Lock Nut	
A-5117564		6	8	12	Valve Bridge Guide	
A-5117564.006		6	8	12	Valve Bridge Guide	.006" OS
A-5196843		6	8	12	Valve Bridge Guide	Early threaded type
A-5128640		9	12	18	Push Rod	
A-5151601		9	12	18	Push Rod Nut	
A-5186858		9	12	18	Push Rod Spring	.177" wire dia.
A-5150302		9	12	18	Push Rod Spring Seat - Upper	
A-5123250		9	12	18	Push Rod Spring Seat - Lower	
A-5150303		9	12	18	Push Rod Spring Retainer	
A-8924439		9	12	18	Follower Assembly	
A-8923814		9	12	18	Roller & Pin Set	
A-5106413		3	4	6	Follower Guide	
A-443603		6	8	12	Guide Bolt	
A-103319		6	8	12	Guide Bolt Washer	
A-8925981		3	4	6	Injector Tube Kit STD	With seal
A-8925981A		3	4	6	Injector Tube Kit OS	Thicker nose with seal
A-5172874		4	4	4	Water Nozzle Single Jet	
A-5111332		4	6	10	Water Nozzle Double Jet	
A-8923554		3	4	6	Rocker Arm - Injector	MCB4355 repair kit available
A-5148472		3	4	6	Rocker Arm Valve - Left	MCB7217 repair kit available
A-5148475		3	4	6	Rocker Arm Valve - Right	MCB7217 repair kit available
A-8924355		3	4	6	Injector Arm Bushing	Large
A-23517217		6	8	12	Valve Arm Bushing	Large
A-8924354		9	12	18	Injector & Valve Arm Bushing	Small
A-5123700		9	12	18	Inj. & Valve Arm Clevis Bushing	
A-5150314		9	12	18	Inj. & Valve Arm Clevis Pin	
A-23500714		3	4	6	Rocker Shaft	
A-5103903		6	8	12	Rocker Shaft Bracket (stand)	
A-5150325		6	8	12	Rocker Shaft Bracket Bolt	
A-23511850		3	4	6	Fuel Jumper Line - Short	
A-23511851		3	4	6	Fuel Jumper Line - Long	
A-5117369		6	8	12	Fuel Connector	
A-5125108		6	8	12	Fuel Connector Washer	
A-8925804		4	5	7	Exhaust Manifold Stud	
A-23505398		4	5	7	Exhaust Manifold Nut	
A-5104439		2	3	5	Exhaust Manifold Washer	
A-8927270		6	8	12	Water Manifold Stud	

71 SERIES

LINER INSERTS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5184484		3	4	6	Liner Insert STD ID / STD HGT	For STD & .005" OS liners
A-5193316		3	4	6	Liner Insert OS ID / STD HGT	For .010" to .030" OS liners
A-5148399		3	4	6	Liner Insert STD ID / +.0015" HGT	For STD & .005" OS liners
A-5199871		3	4	6	Liner Insert OS ID / +.0015" HGT	For .010" to .030" OS liners
A-5199569		AR	AR	AR	Liner Shim .002" Thick	

VIBRATION DAMPER

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5100421				1	Damper - Light Rubber	
A-5177763			1	1	Damper - Light Viscous	
A-8922491			1	1	Damper - Heavy Viscous	
A-5134917			1	1	Front Cone - .531" L	
A-5151344			1	1	Front Cone - .687" L	
A-23506876			1	1	Front Cone - 1.40" L	
A-23502705			1	1	Rear Cone - 2.12" L	Grooved
A-8928674			1	1	Rear Cone - 2.43" L	Grooved
A-23507296			1	1	Rear Cone - 3.09" L	Grooved
A-23503769			1	1	Seal Ring	For grooved cones
A-5131724		2	2	2	Key 3/8" x 1.25" L	For crank pulley

FUEL INJECTOR & MOUNTING

PART #	2	3	4	6	DESCRIPTION	NOTE
Refer to the INTERSTATE-McBEE FUEL INJECTION CATALOG for DETROIT DIESEL® for a complete listing of injector assemblies and components.						
A-23511856		6	8	12	Fuel Jumper Line	For straight body injectors
A-23501850		3	4	6	Fuel Jumper Line - Short	For offset body injectors
A-23501851		3	4	6	Fuel Jumper Line - Long	For offset body injectors
A-8926992	4				Fuel Connector	
A-5117369		6	8	12	Fuel Connector	
A-5152148	4				Fuel Connector Washer	
A-5125108		6	8	12	Fuel Connector Washer	
A-5111335	2	3	4	6	Injector Clamp	For straight body injectors
A-5121259		3	4	6	Injector Clamp	For offset body injectors
A-5150250	2	3	4	6	Injector Clamp Washer	

FUEL PUMP

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5199560	1	1	1	1	Fuel Pump Assembly	LH standard capacity
R-5199560	1	1	1	1	Fuel Pump Assembly - Rebuilt	LH standard capacity
A-5199561		1	1	1	Fuel Pump Assembly	RH standard capacity
R-5199561		1	1	1	Fuel Pump Assembly - Rebuilt	RH standard capacity
A-5199735			1	1	Fuel Pump Assembly	LH high capacity
R-5199735			1	1	Fuel Pump Assembly - Rebuilt	LH high capacity
A-5199734			1	1	Fuel Pump Assembly	RH high capacity
R-5199734			1	1	Fuel Pump Assembly - Rebuilt	RH high capacity
A-5195078	1	1	1	1	Fuel Pump Repair Kit	For standard capacity
A-5149599			1	1	Fuel Pump Repair Kit	For high capacity
A-5154216	1				Fuel Pump Drive Coupling	
A-5102257		1	1	1	Fuel Pump Drive Fork	
A-5150193	1	1	1	1	Fuel Pump Mounting Gasket	
A-5110760	1	1	1	1	Fuel Primer Hand Pump	

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71 SERIES

GOVERNOR COMPONENTS

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5150889		1	1	1	Cover Gasket	Cover to operating housing
A-142583		1	1	1	Retainer	
A-9431894		1	1	1	Bearing	Operating shaft upper
A-148402		1	1	1	Bushing .500" L	Operating shaft lower
A-148403		1	1	1	Bushing .750" L	Operating shaft lower (954987)
A-5150890		1	1	1	Gasket Control Hsg. to Carrier Hsg.	
A-9437108		1	1	1	Riser Thrust Bearing	
A-9424121		1	1	1	Carrier Shaft Bearing	(907674)
A-5150246		1	1	1	Governor Mounting Gasket	Governor to blower
A-23509675	1	1	1	1	Hydraulic Governor Mounting Gasket	Governor to drive
A-3249110	2	2	2	2	Hydraulic Governor Cover Gasket	

SHUTDOWN CONTROL

PART #	2	3	4	6	DESCRIPTION	NOTE
A-23504196		1	1	1	Shutdown Solenoid - 12V	
A-23504197		1	1	1	Shutdown Solenoid - 24V	

BLOWER & BLOWER DRIVE

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5192324	1				Blower Repair Kit	
A-5125427	4				End Plate Seal - OS	
A-5125428	4				Rotor Shaft Sleeve	Use with OS seal
A-23514203		1	1	1	Blower Repair Kit	
A-23514204			1	1	Blower Repair Kit	Turbo gear reduction blower
A-8924453		4	4	4	End Plate Seal - OS	
A-5192439		4	4	4	Rotor Shaft Sleeve	Use with OS seal
A-23500533		1	1	1	Blower Seal Kit	
A-5192320	1				Blower Installation Kit	
A-5192752		1			Blower Installation Kit	
A-5192753			1		Blower Installation Kit	
A-5192754				1	Blower Installation Kit	
A-23514286				1	Blower Installation Kit	TA engines
A-5154638		1			Blower Drive Shaft	6 3/16"L
A-5154639			1		Blower Drive Shaft	7 13/16"L
A-5154640				1	Blower Drive Shaft	11 1/16"L
A-5168130			1		Blower Drive Shaft	8 11/16"L
A-5193476				1	Blower Drive Shaft	11 15/16"L
A-5154637		1	1	1		
A-5103377		1	1	1	Drive Coupling	
A-5103365		1	1	1	--Cam	
A-5196314		1	1	1	--Spring Pack	

71 SERIES

TURBOCHARGER & AFTERCOOLER MOUNTING

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5103394			1		Mounting Gasket	TO4 model turbo
A-8929529			1	1	Mounting Gasket	T18A & TV6/7 model turbo
A-9411981			4	4	Lock Nut 3/8-24	
A-5170466			1	1	Oil Inlet Gasket	
A-5170468			1	1	Oil Drain Gasket	
A-5147911			2	2	Air Outlet Clamp	3.5" dia
A-5147912			2	2	Air Outlet Clamp	3.375" dia
A-5162888			1	1	Air Outlet Hose	3.5"ID x 2.25"L
A-5101138				4	Aftercooler Seal Ring	

OIL PUMP

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5194800		1	1		Pump Overhaul Kit	
A-5194801				1	Pump Overhaul Kit	
A-5153247		1	1	1	Relief Valve	In pump
A-5155765		1	1	1	Relief Valve Spring	In pump
A-105456		1	1	1	Relief Valve Gasket	7/8" copper
A-5156815		1	1	1	Regulator Valve Spring	In regulator assembly

OIL COOLER

PART #	2	3	4	6	DESCRIPTION	NOTE
A-8547548		1	1		Oil Cooler Core	6-plate
A-8547563		1	1		Oil Cooler Core	8-plate
A-8547551			1		Oil Cooler Core	8-plate
A-8547236			1	1	Oil Cooler Core	13-plate #1 reinforced
A-8547581			1	1	Oil Cooler Core	13-plate #1 to #4 reinforced
A-5177777		1	1	1	Oil Cooler Bypass Valve	
A-5177778		1	1	1	Oil Cooler Bypass Spring	
A-5177773		1	1	1	Oil Cooler Bypass Gasket	
A-5133431		1	1	1	Oil Filter Bypass Valve (disk)	
A-5575086		1	1	1	Oil Filter Bypass Gasket	

OIL FILLER & DIPSTICK

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5107106		1	1	1	Filler Cap - 1.5" diameter	Expansion rubber type
A-5117362		1	1	1	Filler Cap - 2" diameter	Expansion rubber type
A-5146679		1	1	1	Dipstick - Universal Unmarked	61"L expansion type
A-5146680		1	1	1	Dipstick - Universal Unmarked	72"L cane handle type

71 SERIES

WATER PUMP

PART #	2	3	4	6	DESCRIPTION	NOTE
A-23506723		1	1	1	Pump Assembly - LH	
A-23506735		1	1	1	Pump Assembly - RH	
A-23506704			1	1	Pump Assembly - LH	High capacity pump
A-23506711			1	1	Pump Assembly - RH	High capacity pump
A-5196935	1				Rebuild Kit	
A-23506851		1	1	1	Rebuild Kit	
A-23506870			1	1	Rebuild Kit	High capacity pump
A-23505997		1	1	1	Impeller	
A-23505998			1	1	Impeller	High capacity
A-5136671		1	1	1	Shaft & Bearing Assembly	
A-23522434		1	1	1	Unitized Seal Assembly	
A-5114011		1	1	1	Thrower	
A-5150191		1	1	1	Outlet O-ring	
A-23508431			1	1	Outlet O-ring	High capacity
A-5150193		1	1	1	Mounting Gasket	
A-5150188		1	1	1	Cover Gasket	
A-5178273			1	1	Cover Gasket	High capacity

THERMOSTAT

PART #	2	3	4	6	DESCRIPTION	NOTE
A-3041379	1				Thermostat 170° F	
A-5104096			1	1	Thermostat 180° F	Partial blocking
A-5104238			1	1	Thermostat 173° F	Partial blocking
A-5172141		1	1	1	Thermostat 173° F	Non blocking
A-23503826			1	1	Thermostat 170° F	Full blocking use seal
A-5132155			1	1	Seal	

RAW WATER PUMP & HEAT EXCHANGE

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5197222		1	1	1	Reconditioning Kit	Pumps #5122599,#23507972
A-5196846		1	1	1	Impeller Replacement Kit	Impeller #8924839
A-5197224		1	1	1	Reconditioning Kit	Pumps #5115396,#23507971
A-5194860		1	1	1	Impeller Replacement Kit	Impeller #8924839
A-8517479		1	1	1	Electrode Assembly - 2 1/8" L	At pump inlet
A-8515850		1	1	1	Electrode Assembly - 3 3/8" L	In exchanger

AIR COMPRESSOR DRIVE

PART #	2	3	4	6	DESCRIPTION	NOTE
A-5170450		1	1	1	Drive Plate	On drive gear
A-5141773		1	1	1	Coupling	
A-5144866		1	1	1	Hub	On compressor

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GASKET LISTING

DESCRIPTION	NOTE	PART #	2	3	4	6
Aftercooler Seal Ring		A-5101138				4
Air Box Cover Bolt Gasket		A-23505525	4	3	4	8
Air Box Cover Gasket		A-5152288	2			
Air Box Cover Gasket		A-5132117		3	4	8
Air Inlet Housing Gasket	To blower with screen	A-5103557	1			
Air Inlet Housing Gasket	To blower with screen	A-5103558		1		
Air Inlet Housing Gasket	To blower with screen	A-5103559			1	
Air Inlet Housing Gasket	To blower with screen	A-5103601				1
Air Inlet Housing Gasket	For bypass blower	A-23505529				1
Balance Weight Cover Gasket		A-5121753		1	1	1
Breather Gasket	Side block mount	A-5173482			1	1
Crankshaft Front Cover Gasket		A-5156192	1			
Crankshaft Front Cover Gasket		A-5150181		1	1	1
Crankshaft Front Cover Gasket		A-5112641			1	1
Exhaust Manifold Gasket		A-5154210	1			
Exhaust Manifold Gasket		A-5150194		1		
Exhaust Manifold Gasket	Metal clad	A-5120224			2	2
Exhaust Manifold Gasket	Metal clad	A-5120223				1
Exhaust Manifold Gasket	TA 6 bolt hole	A-8925587				1
Flywheel Housing Cover Gasket	Large hole	A-23515145		2	2	2
Flywheel Housing Cover Gasket	Small hole (star)	A-5104507		1	1	1
Flywheel Housing Gasket		A-5152525	1			
Flywheel Housing Gasket		A-8928967		1	1	1
Fuel Pump Mounting Gasket		A-5150193	1	1	1	1
Governor Cover Gasket		A-5150889	1	1	1	1
Oil Pan Gasket		A-5154198	1			
Oil Pan Gasket		A-5150115		1		
Oil Pan Gasket		A-5150116			1	
Oil Pan Gasket		A-5150117				1
Oil Pan Gasket - Lower	Lower to upper	A-5153256				1
Oil Pan Sump Gasket	Round cast iron sump cover	A-5153788				1
Oil Pan Sump Gasket	Round steel sump cover	A-5153986				1
Oil Regulator Gasket		A-5104381		1	1	1
Rocker Cover Gasket - Neoprene		A-5144484	1			
Rocker Cover Gasket - Neoprene	For steel cover	A-5143405		1		
Rocker Cover Gasket - Neoprene	For steel cover	A-5143406			1	
Rocker Cover Gasket - Neoprene	For steel cover	A-5143407				1
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104018		1		
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104081			1	
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104019				1
Rocker Cover Isolator	For cast aluminum cover	A-5104515		2	2	4
Starter Gasket	For wet housings	A-5130995		1	1	1
Thermostat Housing Gasket		A-5169478		2	2	2
Turbocharger Mounting Gasket	TO4 model turbo	A-5103394			1	1
Turbocharger Mounting Gasket	TV model turbo	A-8929529			1	1
Water Pump Cover Gasket		A-5150188		1	1	1
Water Pump Cover Gasket	High capacity	A-5178273			1	1
Water Pump Cover Seal	2 3/16" OD	A-5153560		1	1	
Water Pump Cover Seal	2 1/2" OD	A-5159457		1	1	
Water Pump Cover Seal	2 3/4" OD	A-5156770			1	1
Water Pump Mounting Gasket		A-5150193		1	1	1
Water Pump Oring	At block	A-5150191		1	1	1

CYLINDER KIT COMPONENTS

71 SERIES

REFERENCE CYLINDER KIT	McBEE CYLINDER KIT	LINERLESS KIT	LINER	SIZE	PORT	PISTON	SKIRT	RING SET	PIN	RETAINER	SLIPPER	PISTON SEAL
A-23505305	A-23505305#2	A-LK5306	A-23502021	#2	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-23505306#3	A-LK5306	A-23502022	#3	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-23505306	A-5149261	A-LK5306	A-23504936	#4	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-23505305.005	A-LK5306	A-5193732	.005"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-5149263	A-LK5306	A-5193733	A-5193733	.010"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149264	A-LK5306	A-5193734	.020"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-23505305.030	A-LK5306	A-5193735	A-5193735	.030"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-23505307	A-23505307#2	A-LK5307	A-23502021	#2	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307#3	A-LK5307	A-23502022	#3	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.001	A-LK5307	A-23504936	#4	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.005	A-LK5307	A-5193732	.005"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
A-23505307.010	A-LK5307	A-5193733	A-5193733	.010"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.020	A-LK5307	A-5193734	.020"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.030	A-LK5307	A-5193735	.030"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
A-23505308	A-23505309#2	A-LK5309	A-23504932	#2	.81"	A-5189054 (17:1)		A-5193477	A-5188406	(2) A-5188405		
	A-23505309#3	A-LK5309	A-23504933	#3	.81"	A-5189054 (17:1)		A-5193477	A-5188406	(2) A-5188405		
	A-23522473	A-LK22473	A-23502024	#2	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522477	A-LK22473	A-23502025	#3	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522479	A-LK22473	A-23504935	#4	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522481	A-LK22473	A-5107449	.010"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522483	A-LK22473	A-5107450	.020"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485	A-LK22485	A-23502021	#2	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522953	A-LK22485	A-23502022	#3	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522489	A-LK22485	A-23504936	#4	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522485.005	A-LK22485	A-5193732	A-5193732	.005"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522491	A-LK22485	A-5193733	.010"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522493	A-LK22485	A-5193734	A-5193734	.020"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485.030	A-LK22485	A-5193735	.030"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522507	A-LK22507	A-23502024	#2	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522509	A-LK22507	A-23502025	#3	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522511	A-LK22507	A-23504935	#4	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522513	A-LK22507	A-5107449	A-5107449	.010"	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522515	A-LK22507	A-5107450	.020"	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522949	A-LK22949	A-23502021	#2	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522947	A-LK22949	A-LK22949	A-23502022	#3	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522521	A-LK22949	A-23504936	#4	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522949.005	A-LK22949	A-5193732	A-5193732	.005"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522951	A-LK22949	A-5193733	.010"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
A-23522951	A-LK22949	A-5193734	A-5193734	.020"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522525	A-LK22949	A-5193735	.030"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522949.030	A-LK22949	A-5193735	.030"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221

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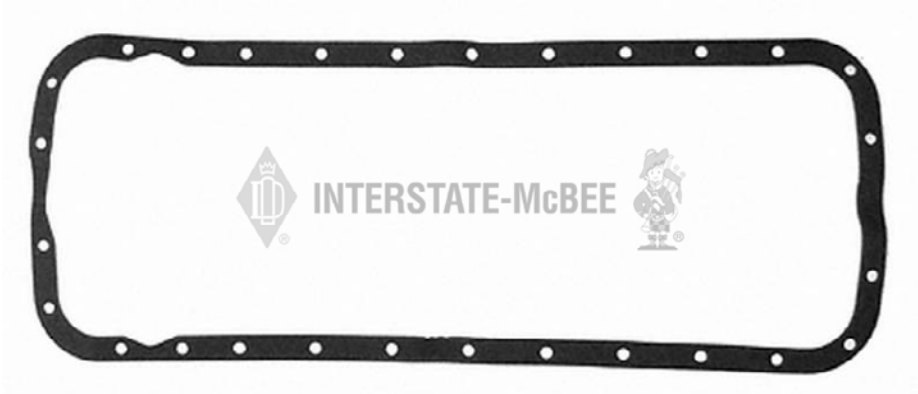
V71 SERIES

IN-FRAME KITS

PART #	DESCRIPTION
A-6V71	Kit - Inframe
A-6V71-XH	Kit - Inframe
A-8V71	Kit - Inframe
A-8V71-XH	Kit - Inframe
A-12V71	Kit - Inframe
A-12V71-XH	Kit - Inframe

OVERHAUL KITS

PART #	DESCRIPTION
A-6V71-OH	Kit - Engine Overhaul
A-6V71-XH-OH	Kit - Engine Overhaul
A-8V71-OH	Kit - Engine Overhaul
A-8V71-XH-OH	Kit - Engine Overhaul
A-12V71-OH	Kit - Engine Overhaul
A-12V71-XH-OH	Kit - Engine Overhaul



V71 SERIES

ENGINE BEARINGS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5149572	6	8	12	16	Connecting Rod Bearing STD	
A-5149575	6	8	12	16	Connecting Rod Bearing .010"	
A-5149577	6	8	12	16	Connecting Rod Bearing .020"	
A-5149579	6	8	12	16	Connecting Rod Bearing .030"	
A-5149556	4	5	7	10	Main Bearing STD	
A-5149559	4	5	7	10	Main Bearing .010"	
A-5149561	4	5	7	10	Main Bearing .020"	
A-5149563	4	5	7	10	Main Bearing .030"	
A-5149565	4	5	7	10	Main Bearing STD	For turbocharged engines
A-5149567	4	5	7	10	Main Bearing .010"	For turbocharged engines
A-5149568	4	5	7	10	Main Bearing .020"	For turbocharged engines
A-8922118	4	5	7	10	Main Bearing .030"	For turbocharged engines
A-5117005	4	4	4	4	Thrust Washer STD	
A-5196753	4	4	4	4	Thrust Washer .005"	
A-5196754	4	4	4	4	Thrust Washer .010"	
A-141346	4	4	4	4	Thrust Washer Dowel	
A-5111422	2	2	2	4	Cam End Bearing	Rear (front & rear 16V)
A-5194858	2	2	2	4	Cam End Bearing .010" USID	Rear (front & rear 16V)
A-5117984	2	2	2		Cam End Bearing	Front
A-5197569	2	2	2		Cam End Bearing .010" USID	Front
A-5196026	4	6	10	12	Cam Intermediate Bearing STD	
A-5196027	4	6	10	12	Cam Intermediate Brg .010" USID	
A-5115572	8	12	20	24	Ring Lock	
A-5111424	4	4	4	8	Cam Thrust Washer STD	
A-5194826	4	4	4	8	Cam Thrust Washer .005" OS	
A-5194827	4	4	4	8	Cam Thrust Washer .010" OS	
A-7451948	1	1	1	2	Idler Gear Bearing	
A-5103534	6	6	6	12	Idler Gear Bearing Lock Bolt	Do not reuse
A-5157274	12	16	24	32	Connecting Rod Bushing	For trunk non-turbo rods

ROCKER COVER MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5143405	2				Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143406		2		4	Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143407			2		Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5104018	2				Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5104081		2		4	Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5104019			2		Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5149510	2				Cast Cover Installation Kit	
A-5149511		2		4	Cast Cover Installation Kit	
A-5149512			2		Cast Cover Installation Kit	
A-5104015	4	4	8	8	Cast Cover Hold Down Bolt	
A-5104515	4	4	8	8	Cast Cover Isolator	
A-5104514	4	4	8	8	Cast Cover Isolator Washer	

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V71 SERIES OVERHAUL GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23512677	1				Overhaul Gasket Set	Coach applications
A-23512678	1				Overhaul Gasket Set	
A-23512679		1			Overhaul Gasket Set	Coach applications
A-23512680		1			Overhaul Gasket Set	
A-23512681			1		Overhaul Gasket Set	
A-23512682				1	Overhaul Gasket Set	
NOTE: The above sets do not include R/C gaskets or crankshaft seals and only basic cooler gaskets.						

HEAD & SUPPLEMENTAL GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5196376	1	1			Supplemental Gasket Sets	Marine applications
A-5196378			1		Supplemental Gasket Sets	Marine applications
A-5196379			1		Supplemental Gasket Sets	Industrial applications
A-5196132				1	Supplemental Gasket Sets	Marine applications
A-5196380	2				Head Gasket Set	
A-5196381		2		4	Head Gasket Set	
A-5196382			2		Head Gasket Set	
NOTE: The above head sets do not include rocker cover gaskets.						

BLOWER GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5149646	1				Blower Installation Kit	Natural
A-5149641	1				Blower Installation Kit	Turbocharged
A-5149644		1			Blower Installation Kit	Natural
A-5149643		1			Blower Installation Kit	Turbocharged
A-5149642			1		Blower Installation Kit	Natural & turbocharged
A-5149645				1	Blower Installation Kit	Natural & turbocharged

LINER INSERTS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5184484	6	8	12	16	Liner Insert STD ID / STD HGT	For STD & .005" OS liners
A-5193316	6	8	12	16	Liner Insert OS ID / STD HGT	For .010" to .030" OS liners
A-5148399	6	8	12	16	Liner Insert STD ID / +.0015" HGT	For STD & .005" OS liners
A-5199871	6	8	12	16	Liner Insert OS ID / +.0015" HGT	For .010" to .030" OS liners
A-5199569	AR	AR	AR	AR	Liner Shim .002" Trick	

CRANKSHAFT ASSEMBLY

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5146733	1				Crankshaft	
A-5103264		1			Crankshaft	
A-23502165			1		Crankshaft	

V71 SERIES

FRONT CRANKSHAFT SEALS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5115454	1	1	1		Front Seal - Lip Type	
A-5114335				1	Front Seal - Lip Type &	
A-5197860				1	Front Seal - Lip Type #	
A-23514608	1	1	1		Front Seal - Teflon / Directional	RH engine rotation
A-23514609	1	1	1		Front Seal - Teflon / Directional	LH engine rotation
A-8927747				1	Front Seal - Teflon / Directional &	RH engine rotation
A-8927746				1	Front Seal - Teflon / Directional &	LH engine rotation
A-8927749				1	Front Seal - Teflon / Directional #	RH engine rotation
A-8927748				1	Front Seal - Teflon / Directional #	LH engine rotation
A-5198908				1	Front Sleeve #	

Note: # = For outboard front trunnion mount with bearing. & =For non-outboard trunnion units.

REAR CRANKSHAFT SEALS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5114335	1	1	1		Rear Seal - Single Lip Type STD	For dry hsg
A-5197860	1	1	1		Rear Seal - Single Lip Type O/S	For dry hsg / use wear sleeve
A-5194462				1	Rear Seal - Single Lip Type O/S	For dry hsg / use wear sleeve
A-5127821	1	1	1		Rear Seal - Double Lip Type STD	For wet hsg
A-5196927	1	1	1		Rear Seal - Double Lip Type O/S	For wet hsg / use wear sleeve
A-5198159				1	Rear Seal - Double Lip Type O/S	For wet hsg / use wear sleeve
A-8927746	1	1	1		Rear Seal - Teflon / Directional STD	RH eng. rot. / dry hsg
A-8927748	1	1	1		Rear Seal - Teflon / Directional O/S	RH eng. rot. / dry hsg / use sleeve
A-23504821	1	1	1		Rear Seal - Teflon / Directional O/S	RH eng. rot. / wet hsg / use sleeve
A-8927747	1	1	1		Rear Seal - Teflon / Directional STD	LH eng. rot. / dry hsg
A-8927749	1	1	1		Rear Seal - Teflon / Directional O/S	LH eng. rot. / dry hsg / use sleeve
A-23507411	1	1	1		Rear Seal - Teflon / Directional O/S	LH eng. rot. / wet hsg / use sleeve
A-8926761				1	Rear Seal - Teflon / Directional STD	RH eng. rot. / dry hsg
A-23501544				1	Rear Seal - Teflon / Directional O/S	RH eng. rot. / dry hsg / use sleeve
A-23501610				1	Rear Seal - Teflon / Directional STD	LH eng. rot. / dry hsg
A-23501545				1	Rear Seal - Teflon / Directional O/S	LH eng. rot. / dry hsg / use sleeve
A-23507225	1	1	1		O/S Rear Seal Sleeve	
A-23507226				1	O/S Rear Seal Sleeve	

VIBRATION DAMPER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8922491		1			Damper - Viscous	12.3" OD
A-8922492		1			Damper - Viscous	12.3" OD
A-8928951			1		Damper - Viscous	12.3" OD
A-8924435				1	Damper - Viscous	18" OD
A-5106222				1	Damper - Viscous	15.1" OD
A-5134917		1	1		Front Cone - .531" L	
A-5102957		1	1		Front Cone - .937" L	
A-23506876		1	1		Rear Cone - 1.40" L	Grooved
A-5104475		1	1		Rear Cone - 1.70" L	Grooved
A-23502705		1	1		Rear Cone - 2.12" L	Grooved
A-23507297		1	1		Rear Cone - 2.22" L	Grooved
A-23507296		1	1		Rear Cone - 3.09" L	Grooved
A-23503769		1	1		Seal Ring	For grooved cones

CYLINDER HEAD COMPONENTS

2-VALVE

[illegible]

V71 SERIES

CYLINDER HEAD COMPONENTS

4-VALVE

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23500501	24	32	48	64	Valve Kit	With locks / code (U)
A-5149386	24	32	48	64	Valve Kit - High HP	With locks / code (J6)
A-5111337	48	64	96	128	Valve Lock	
A-5147347	24	32	48	64	Valve Spring	
A-5117563	24	32	48	64	Valve Spring Cap (retainer)	
A-5117562	24	32	48	64	Valve Spring Seat	
A-5129919	24	32	48	64	Valve Guide	
A-5129919+.002	24	32	48	64	Valve Guide	.002" OS OD
A-5129919+.005	24	32	48	64	Valve Guide	.005" OS OD
A-8921209	24	32	48	64	Valve Guide Seal	Steel with teflon lip
A-5101101	24	32	48	64	Valve Seat (Insert) STD	
A-5197167	24	32	48	64	Valve Seat (Insert) .010" OS	
A-5117565	12	16	24	32	Valve Bridge	
A-5129101	12	16	24	32	Valve Bridge Adjuster Screw	
A-5151601	12	16	24	32	Valve Bridge Lock Nut	
A-5117564	12	16	24	32	Valve Bridge Guide	
A-5117564.006	12	16	24	32	Valve Bridge Guide	.006" OS
A-5196843	12	16	24	32	Valve Bridge Guide	Early threaded type
A-5128640	18	24	36	48	Push Rod	
A-5151601	18	24	36	48	Push Rod Nut	
A-5186858	18	24	36	48	Push Rod Spring	.177" wire dia.
A-5150302	18	24	36	48	Push Rod Spring Seat - Upper	
A-5123250	18	24	36	48	Push Rod Spring Seat - Lower	
A-5150303	18	24	36	48	Push Rod Spring Retainer	
A-8924439	18	24	36	48	Follower Assembly	
A-8923814	18	24	36	48	Roller & Pin Set	
A-5106413	6	8	12	16	Follower Guide	
A-443603	12	16	24	32	Guide Bolt	
A-103319	12	16	24	32	Guide Bolt Washer	
A-8925981	6	8	12	16	Injector Tube Kit STD	With seal
A-8925981A	6	8	12	16	Injector Tube Kit OS	Thicker nose with seal
A-5172874		4	4	4	Water Nozzle Single Jet	
A-5111332		4	6	12	Water Nozzle Double Jet	
A-8923554	6	8	12	16	Rocker Arm - Injector	MCB4355 repair kit available
A-5148472	6	8	12	16	Rocker Arm Valve - Left	MCB7217 repair kit available
A-5148475	6	8	12	16	Rocker Arm Valve - Right	MCB7217 repair kit available
A-8924355	6	8	12	16	Injector Arm Bushing	Large
A-23517217	12	16	24	32	Valve Arm Bushing	Large
A-8924354	18	24	36	48	Injector & Valve Arm Bushing	Small
A-5123700	18	24	36	48	Inj. & Valve Arm Clevis Bushing	
A-5150314	18	24	36	48	Inj. & Valve Arm Clevis Pin	
A-23500714	6	8	12	16	Rocker Shaft	
A-5103903	12	16	24	32	Rocker Shaft Bracket (stand)	
A-5150325	12	16	24	32	Rocker Shaft Bracket Bolt	
A-23511850	6	8	12	16	Fuel Jumper Line - Short	
A-23511851	6	8	12	16	Fuel Jumper Line - Long	
A-5117369	12	16	24	32	Fuel Connector	
A-5125108	12	16	24	32	Fuel Connector Washer	
A-8925804	8	10	14	20	Exhaust Manifold Stud	
A-23505398	8	10	14	20	Exhaust Manifold Nut	
A-5104439	4	6	10	12	Exhaust Manifold Washer	
A-8927270	12	16	24	32	Water Manifold Stud	

V71 SERIES

FUEL INJECTOR & MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
Refer to the INTERSTATE-McBEE FUEL INJECTION CATALOG for DETROIT DIESEL® for a complete listing of injector assemblies and components.						
A-23511850	6	8	12	16	Fuel Jumper Line - Short	For offset body injectors
A-23511851	6	8	12	16	Fuel Jumper Line - Long	For offset body injectors
A-23511853	6	8	12		Fuel Jumper Line - Short "JAKE"	
A-23511854	6	8	12		Fuel Jumper Line - Long "JAKE"	
A-5117369	12	16	24	32	Fuel Connector	
A-5125108	12	16	24	32	Fuel Connector Washer	
A-5121259	6	8	12	16	Injector Clamp	For offset body injectors
A-5150250	6	8	12	16	Injector Clamp Washer	

FUEL PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5199560	1	1	1	1	Fuel Pump Assembly	LH standard capacity
R-5199560	1	1	1	1	Fuel Pump Assembly - Rebuilt	LH standard capacity
A-5199735	1	1	1	1	Fuel Pump Assembly	LH high capacity
R-5199735	1	1	1	1	Fuel Pump Assembly - Rebuilt	LH high capacity
A-5195078	1	1	1	1	Fuel Pump Repair Kit	For standard capacity
A-5149599	1	1	1	1	Fuel Pump Repair Kit	For high capacity
A-5102257	1	1	1	1	Fuel Pump Drive Fork	
A-5150193	1	1	1	1	Fuel Pump Mounting Gasket	
A-5110760	1	1	1	1	Fuel Primer Hand Pump	

GOVERNOR COMPONENTS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-IDS29397	1	1	1	1	Governor Repair Kit - Double Weight	For mechanical limiting unit
A-IDS02825	1	1	1	1	Governor Repair Kit - Single Weight	For mechanical limiting unit
A-8924869	1	1	1	1	Cover Gasket	Cover to governor housing
A-9431896	1	1	1	1	Bearing	Operating shaft upper
A-9436682	1	1	1	1	Bearing	Operating shaft lower
A-116337	1	1	1	1	Expansion Plug - 11/16"	Under lower bearing
A-5165221	1	1	1	1	Gasket	Weight shaft cap
A-9424121	1	1	1	1	Bearing	For weight shaft
A-9437108	1	1	1	1	Riser Bearing	
A-5147910	1	1	1	1	Riser - .865"L	
A-8924266	1	1	1	1	Governor Mounting Gasket	Governor to blower
A-8922593	1	1	1	1	Spring Housing Gasket	
A-5117952	1	1	1	1	Buffer Screw	
A-5174286	1	1	1	1	Buffer Screw Nut	
A-8924267	2	2	2	4	Control Link Hose - 13/16"L	Governor to head adaptor
A-5104556				1	control Link Hose - .56"L	
A-5104592	4	4	4	8	Hose Clamp	

SHUTDOWN CONTROL

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23504196	1	1	1	1	Shutdown Solenoid - 12V	
A-23504197	1	1	1	1	Shutdown Solenoid - 24V	

BLOWER & BLOWER DRIVE

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TURBOCHARGER & AFTERCOOLER MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5103394	1	1	AR	AR	Mounting Gasket	TO4 model turbo
A-8929529	1	1	AR	AR	Mounting Gasket	T18A & TV6/7 model turbo
A-9411981	4	4	AR	AR	Lock Nut 3/8-24	
A-5170466	1	1	AR	AR	Oil Inlet Gasket	
A-5170468	1	1	AR	AR	Oil Drain Gasket	
A-5147911	2	2	AR	AR	Air Outlet Hose Clamp	3.5" dia
A-5147912	2	2	AR	AR	Air Outlet Hose Clamp	3.375" dia
A-5162888	1	1	AR	AR	Air Outlet Hose	3.5"ID x 2.25"L
A-8926957	1	1	AR	AR	Air Outlet Hose	4"ID x 2.375"L
A-5101138	4	4	8	8	Aftercooler Seal Ring	
A-5137620	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	3.82" dia
A-5146165	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	3.88" dia
A-5137619	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	4.50" dia
A-5132650	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	5.25" dia

OIL PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5196602	1	1			Gear Set	1.302" W gears
A-8927135	1	1			Drive Gear - 37 teeth	
A-8928545	1	1			Key 3/16 x 7/8	

OIL RELIEF & REGULATOR

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8922740	2	2	2	3	Valve	
A-5126327	2	2	2	3	Spring - 2.96"L	
A-5126326				1	Spring - 2.57"L	

OIL FILLER & DIPSTICK

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5117362	1	1	AR	AR	Filler Cap - 2" diameter	Expansion rubber type
A-5146679	1	1	1	1	Dipstick - Universal Unmarked	61"L expansion type
A-5146680	1	1	1	1	Dipstick - Universal Unmarked	72"L cane handle type

OIL COOLER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8547195	AR	AR			Cooler Core - 18-plate	Single stack
A-8547236	AR				Cooler Core - 13-plate	Single stack #1 reinforced
A-8547237	AR	AR	AR	AR	Cooler Core - 24-plate	Double stack
A-8547547	AR	AR			Cooler Core - 16-plate	Single stack
A-8547552			AR	AR	Cooler Core - 32-plate	Double stack
A-8547553	AR	AR			Cooler Core - 16-plate	Double stack
A-8547554			AR		Cooler Core - 12-plate	Single stack / double base
A-8547555	AR				Cooler Core - 12-plate	Single stack / double base
A-8547561		AR	AR		Cooler Core - 24-plate	12-engine & 12-marine gear
A-8547581	AR	AR			Cooler Core - 13-plate	Single stack #1 to #4 reinforced

V71 SERIES

WATER PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23506366	1	1			Rebuild Kit	
A-23506367			1		Rebuild Kit	Impeller vane 2.25"L
A-23506368			1		Rebuild Kit	Impeller vane 1.375"L
A-23506871				1	Rebuild Kit	
A-23505999	1	1			Impeller	
A-23506000			1		Impeller	Impeller vane 2.25"L
A-23506001			1		Impeller	Impeller vane 1.375"L
A-23506002				1	Impeller	
A-23522434	1	1	1	1	Unitized Seal	
A-23506053	1	1	1	1	Shaft	
A-23503687	1	1	1	1	Bearing Inner	
A-23503649	1	1	1	1	Bearing Outer	
A-23501819	1	1	1	1	Oil Seal	
A-221436	1	1	1	1	Flatwasher	
A-274746	1	1	1	1	Lock Ring	
A-5117972	1	1	1	1	Lock Nut	
A-5117975	1	1	1	1	Cover Gasket	
A-5117976			1		Cover Gasket	
A-23505239				1	Cover Gasket	
A-5103544	1	1	1		Mounting Seal Ring	
A-5109515				1	Mounting Gasket	

THERMOSTAT

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5102112	2	2	4	4	Thermostat 160° F	Full blocking / use seal
A-23503826	2	2	4	4	Thermostat 170° F	Full blocking / use seal
A-23503825	2	2	4	4	Thermostat 180° F	Full blocking / use seal
A-5104238	2	2			Thermostat 173° F	Partial blocking
A-5104096	2	2			Thermostat 180° F	Partial blocking
A-5132155	2	2	4	4	Seal	Use with full blocking

RAW WATER PUMP & HEAT EXCHANGER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5197222	1	1	1	1	Reconditioning Kit	Pumps #5122599,#23507972
A-5196846	1	1	1	1	Impeller Replacement Kit	Impeller #8924839
A-5197224	1	1	1	1	Reconditioning Kit	Pumps #5115396,#23507971
A-5194860	1	1	1	1	Impeller Replacement Kit	Impeller #8924839
A-8517479	2	2	2	2	Electrode Assembly - 2 1/8" L	At pump inlet & exchanger
A-8515850	2	2	2	2	Electrode Assembly - 3 3/8" L	In exchanger

AIR COMPRESSOR DRIVE

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5170450	1	1	1	1	Drive Plate	On drive gear
A-5141773	1	1	1	1	Coupling	
A-5144866	1	1	1	1	Hub	On compressor

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GASKET LISTING

DESCRIPTION	NOTE	PART#	6V	8V	12V	16V
Aftercooler Seal Ring		A-5101138	4	4	8	8
Air Box Cover Gasket	Small cover	A-8923792	2	4	8	8
Air Box Cover Gasket	Large cover	A-8923791	2	2	2	4
Air Inlet Housing Gasket	To blower with screen	A-5103515	1		2	
Air Inlet Housing Gasket	To blower with screen	A-5103602		1		2
Air Inlet Housing Gasket	To blower no screen	A-5102062		1		2
Air Inlet Housing Gasket	To blower with screen	A-5103601				
Air Inlet Housing Rectangular Seal	On top of blower	A-5104978	1	1		
Air Inlet Housing Seal	On top of blower	A-5101419	2	2		
Exhaust Manifold Gasket	Metal clad	A-5122866	2			
Exhaust Manifold Gasket	Metal clad	A-5120224		4	4	8
Exhaust Manifold Gasket	Metal clad	A-5120223			2	
Exhaust Manifold Gasket	Metal clad 6 bolt hole	A-8925587			2	
Flywheel Housing Cover Gasket	Large hole	A-23515145	2	2	2	3
Flywheel Housing Cover Gasket	Small hole (star)	A-5104507	4	4	4	5
Flywheel Housing Gasket		A-5144875	1	1	1	1
Front Cover Gasket	Upper	A-5123638	1	1	1	
Front Cover Gasket	Lower	A-5121714	1	1	1	
Front Gear Housing Gasket		A-5144875				1
Fuel Pump Mounting Gasket		A-5150193	1	1	1	1
Governor Cover Gasket	Mechanical governor	A-8924869	1	1	1	1
Oil Pan Gasket		A-23503588	1			
Oil Pan Gasket		A-5117231		1		
Oil Pan Gasket	Sub pan to block	A-5109915			1	
Oil Pan Gasket - Lower	Sump to sub pan	A-5125635			1	
Oil Pan Sump Gasket	Round steel sump cover	A-5124796			1	
Oil Pan Gasket Kit	Sub pan to block	A-5126562				1
Oil Pan Gasket - Lower	Front sump to sub pan	A-5150115				2
Oil Pan Gasket - Lower	Rear sump to sub pan	A-5150116				2
Oil Pickup Tube Gasket		A-5117242	1	1		
Oil Pickup Tube Gasket		A-5123241			1	
Oil Regulator & Relief Gasket		A-5117269	2	2	2	2
Oil Regulator & Relief Gasket		A-29503153				1
Rocker Cover Gasket - Neoprene	For steel cover	A-5143405	2			
Rocker Cover Gasket - Neoprene	For steel cover	A-5143406		2		4
Rocker Cover Gasket - Neoprene	For steel cover	A-5143407			2	
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104018	2			
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104081		2		4
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104019			2	
Rocker Cover Isolator	For cast aluminum cover	A-5104515	4	4	8	8
Starter Gasket	For wet housings	A-5130995	1	1	1	1
Thermostat Housing Cover Gasket		A-5117786	2	2		
Thermostat Housing Cover Gasket	Rapid warm housing	A-5133450	2	2		
Thermostat Housing Cover Gasket		A-5175989			2	2
Turbocharger Mounting Gasket	TO4 model turbo	A-5103394			AR	AR
Turbocharger Mounting Gasket	TV model turbo	A-8929529	1	1	AR	AR
Turbocharger Oil Gasket	Supply	A-5170466	1	1	AR	AR
Turbocharger Oil Gasket	Drain TO4 model turbo	A-5138977	1	1	AR	AR
Turbocharger Oil Gasket	Drain TV model turbo	A-5170468	1	1	AR	AR

CYLINDER KIT COMPONENTS

V71 SERIES

REFERENCE CYLINDER KIT	McBEE CYLINDER KIT	LINERLESS KIT	LINER	SIZE	PORT	PISTON	SKIRT	RING SET	PIN	RETAINER	SLIPPER	PISTON SEAL
A-235053005 A-235053006	A-23505305#2	A-LK5306	A-23502021	#2	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-23505306#3	A-LK5306	A-23502022	#3	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149261	A-LK5306	A-23504936	#4	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-23505305.005	A-LK5306	A-5193732	.005"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149263	A-LK5306	A-5193733	.010"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149264	A-LK5306	A-5193734	.020"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-23505305.030	A-LK5306	A-5193735	.030"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-23505307	A-23505307#2	A-LK5307	A-23502021	#2	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307#3	A-LK5307	A-23502022	#3	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.001	A-LK5307	A-23504936	#4	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.005	A-LK5307	A-5193732	.005"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.010	A-LK5307	A-5193733	.010"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.020	A-LK5307	A-5193734	.020"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23505307.030	A-LK5307	A-5193735	.030"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23522473	A-LK22473	A-23502024	#2	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522477	A-LK22473	A-23502025	#3	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522479	A-LK22473	A-23504935	#4	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522481	A-LK22473	A-5107449	.010"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522483	A-LK22473	A-5107450	.020"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485	A-LK22485	A-23502021	#2	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522953	A-LK22485	A-23502022	#3	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522489	A-LK22485	A-23504936	#4	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485.005	A-LK22485	A-5193732	.005"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522491	A-LK22485	A-5193733	.010"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522493	A-LK22485	A-5193734	.020"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485.030	A-LK22485	A-5193735	.030"	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522507	A-LK22507	A-23502024	#2	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522509	A-LK22507	A-23502025	#3	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522511	A-LK22507	A-23504935	#4	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522513	A-LK22507	A-5107449	.010"	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522515	A-LK22507	A-5107450	.020"	.95"	A-23522026 (18.7:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522949	A-LK22949	A-23502021	#2	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522947	A-LK22949	A-23502022	#3	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522521	A-LK22949	A-23504936	#4	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522949.005	A-LK22949	A-5193732	.005"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522951	A-LK22949	A-5193733	.010"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522525	A-LK22949	A-5193734	.020"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522949.030	A-LK22949	A-5193735	.030"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221

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92 SERIES

IN-FRAME KITS

PART #	DESCRIPTION
A-6V92	Kit - Inframe
A-8V92	Kit - Inframe

OVERHAUL KITS

PART #	DESCRIPTION
A-6V92-OH	Kit - Engine Overhaul
A-8V92-OH	Kit - Engine Overhaul



92 SERIES

ENGINE BEARINGS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5149572	6	8	12	16	Connecting Rod Bearing STD	
A-5149575	6	8	12	16	Connecting Rod Bearing .010"	
A-5149577	6	8	12	16	Connecting Rod Bearing .020"	
A-5149579	6	8	12	16	Connecting Rod Bearing .030"	
A-5149565	4	5	8	10	Main Bearing STD	
A-5149567	4	5	8	10	Main Bearing .010"	
A-5149568	4	5	8	10	Main Bearing .020"	
A-8922118	4	5	8	10	Main Bearing .030"	
A-5117005	4	4	4	4	Thrust Washer STD	
A-5196753	4	4	4	4	Thrust Washer .005"	
A-5196754	4	4	4	4	Thrust Washer .010"	
A-141346	4	4	4	4	Thrust Washer Dowel	
A-5111422	2	2	4	4	Cam End Bearing	Rear (front & rear 12&16V)
A-5194858	2	2	4	4	Cam End Bearing .010" USID	Rear (front & rear 12&16V)
A-5117984	2	2			Cam End Bearing	Front
A-5197569	2	2			Cam End Bearing .010" USID	Front
A-5196026	4	6	8	12	Cam Intermediate Bearing STD	
A-5196027	4	6	8	12	Cam Intermediate Brg .010" USID	
A-5115572	8	12	16	24	Ring Lock	
A-5111424	4	4	4	8	Cam Thrust Washer STD	
A-5194826	4	4	4	8	Cam Thrust Washer .005" OS	
A-5194827	4	4	4	8	Cam Thrust Washer .010" OS	
A-7451948	1	1	2	2	Idler Gear Bearing	
A-5103534	6	6	12	12	Idler Gear Bearing Lock Bolt	Do not reuse

ROCKER COVER MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5143405	2		4		Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5143406		2		4	Rocker Cover Gasket - Neoprene	For stamped steel cover
A-5104018	2		4		Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5104081		2		4	Rocker Cover Gasket - Silicone	For cast aluminum cover
A-5149510	2		4		Cast Cover Installation Kit	
A-5149511		2		4	Cast Cover Installation Kit	
A-5104015	4	4	8	8	Cast Cover Hold Down Bolt	
A-5104515	4	4	8	8	Cast Cover Isolator	
A-5104514	4	4	8	8	Cast Cover Isolator Washer	

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92 SERIES

OVERHAUL GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23512683	1				Overhaul Gasket Set	Coach applications
A-23512684	1				Overhaul Gasket Set	
A-23512685		1			Overhaul Gasket Set	
A-23512686			1		Overhaul Gasket Set	
A-23512687				1	Overhaul Gasket Set	
NOTE: The above sets do not include R/C gaskets or crankshaft seals and only basic cooler gaskets.						

HEAD GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5199673	2		4		Head Gasket Set	
A-5199674		2		4	Head Gasket Set	
NOTE: The above head sets do not include rocker cover gaskets.						

BLOWER GASKET SETS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5149646	1		2		Blower Installation Kit	Natural
A-5149641	1		2		Blower Installation Kit	Turbocharged
A-5149644		1			Blower Installation Kit	Natural
A-5149643		1			Blower Installation Kit	Turbocharged
A-5149645				1	Blower Installation Kit	Natural & turbocharged

LINER INSERTS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5148612	6	8	12	16	Liner Insert - .1188" - .1193" thick	
A-5148501	6	8	12	16	Liner Insert - .1200" - .1205" thick	
A-5148611	6	8	12	16	Liner Insert - .1212" - .1217" thick	
A-5101727	6	8	12	16	Liner Insert - .1362" - .1367" thick	

CRANKSHAFT ASSEMBLY

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8926419	1				Crankshaft	RH engine rotation
A-8926425		1			Crankshaft	RH engine rotation

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FRONT CRANKSHAFT SEALS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5115454	1	1			Front Seal - Lip Type	
A-5114335			1	1	Front Seal - Lip Type &	
A-5197860			1	1	Front Seal - Lip Type #	
A-23514608	1	1			Front Seal - Teflon / Directional	RH engine rotation
A-23512609	1	1			Front Seal - Teflon / Directional	LH engine rotation
A-8927747			1	1	Front Seal - Teflon / Directional &	RH engine rotation
A-8927749			1	1	Front Seal - Teflon / Directional OS &	RH engine rotation use sleeve &
A-8927746			1	1	Front Seal - Teflon / Directional &	LH engine rotation
A-8927748			1	1	Front Seal - Teflon / Directional OS &	LH engine rotation use sleeve &
A-8927749			1	1	Front Seal - Teflon / Directional #	RH engine rotation
A-8927748			1	1	Front Seal - Teflon / Directional #	LH engine rotation
A-5198908			1	1	Front Sleeve #	
A-23507225			1	1	Front Sleeve &	
Note: # = For outboard front trunnion mount with bearing. & =For non-outboard trunnion units.						

REAR CRANKSHAFT SEALS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5194462	1	1	1	1	Rear Seal - Single Lip Type O/S	For dry hsg / use wear sleeve
A-5106329	1	1	1	1	Rear Seal - Double Lip Type STD	For wet hsg
A-5198159	1	1	1	1	Rear Seal - Double Lip Type O/S	For wet hsg / use wear sleeve
A-8926761	1	1	1	1	Rear Seal - Teflon / Directional STD	RH eng. rot. / dry hsg
A-23501544	1	1	1	1	Rear Seal - Teflon / Directional O/S	RH eng. rot. / dry hsg / use sleeve
A-23501610	1	1	1	1	Rear Seal - Teflon / Directional STD	LH eng. rot. / dry hsg
A-23501545	1	1	1	1	Rear Seal - Teflon / Directional O/S	LH eng. rot. / dry hsg / use sleeve
A-23507226	1	1	1	1	O/S Rear Seal Sleeve	

VIBRATION DAMPER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8922491		1			Damper - Viscous	12.3" OD
A-8920653			1		Damper - Viscous	13.5" OD
A-8924435				1	Damper - Viscous	18" OD
A-5102957		1			Front Cone - .937" L	
A-23506876		1			Rear Cone - 1.40" L	Grooved
A-5104475		1			Rear Cone - 1.70" L	Grooved
A-23507297		1			Rear Cone - 2.22" L	Grooved
A-23503769		1			Seal Ring	For grooved cones

92 SERIES

CYLINDER HEAD COMPONENTS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5149878		2		4	Cylinder Head	
A-5149877	2		4		Cylinder Head	
A-5149771	24	32	48	64	Valve Kit	With locks
A-5111337	48	64	96	128	Valve Lock	
A-5147347	24	32	48	64	Valve Spring	
A-5117563	24	32	48	64	Valve Spring Cap (retainer)	
A-5117562	24	32	48	64	Valve Spring Seat	
A-5129919	24	32	48	64	Valve Guide	
A-5129919+.002	24	32	48	64	Valve Guide	.002" OS OD
A-5129919+.005	24	32	48	64	Valve Guide	.005" OS OD
A-8921209	24	32	48	64	Valve Guide Seal	Steel with teflon lip
A-5148490	24	32	48	64	Valve Seat (Insert) STD	
A-5101315	24	32	48	64	Valve Seat (Insert) .010" OS	
A-5148491	12	16	24	32	Valve Bridge	
A-5129101	12	16	24	32	Valve Bridge Adjuster Screw	
A-5151601	12	16	24	32	Valve Bridge Lock Nut	
A-5117564	12	16	24	32	Valve Bridge Guide	
A-5117564.006	12	16	24	32	Valve Bridge Guide	.006" OS
A-5128640	18	24	36	48	Push Rod	
A-5151601	18	24	36	48	Push Rod Nut	
A-5108918	18	24	36	48	Push Rod Spring	.177" wire dia.
A-5150302	18	24	36	48	Push Rod Spring Seat - Upper	
A-5123250	18	24	36	48	Push Rod Spring Seat - Lower	
A-5150303	18	24	36	48	Push Rod Spring Retainer	
A-8924439	18	24	36	48	Follower Assembly	
A-8923814	18	24	36	48	Roller & Pin Set	
A-5106413	6	8	12	16	Follower Guide	
A-443603	12	16	24	32	Guide Bolt	
A-103319	12	16	24	32	Guide Bolt Washer	
A-8925981	6	8	12	16	Injector Tube Kit STD	With seal
A-8925981A	6	8	12	16	Injector Tube Kit OS	Thicker nose with seal
A-5172874	4	4	8	8	Water Nozzle Single Jet	
A-8922388	8	12	16	24	Water Nozzle Double Jet	
A-8923554	6	8	12	16	Rocker Arm - Injector	MCB4355 repair kit available
A-5148472	6	8	12	16	Rocker Arm Valve - Left	MCB7217 repair kit available
A-5148475	6	8	12	16	Rocker Arm Valve - Right	MCB7217 repair kit available
A-8924355	6	8	12	16	Injector Arm Bushing	Large
A-23517217	12	16	24	32	Valve Arm Bushing	Large
A-8924354	18	24	36	48	Injector & Valve Arm Bushing	Small
A-5123700	18	24	36	48	Inj. & Valve Arm Clevis Bushing	
A-5150314	18	24	36	48	Inj. & Valve Arm Clevis Pin	
A-23500714	6	8	12	16	Rocker Shaft	
A-5103903	12	16	24	32	Rocker Shaft Bracket (stand)	
A-5150325	12	16	24	32	Rocker Shaft Bracket Bolt	
A-23511850	6	8	12	16	Fuel Jumper Line - Short	
A-23511851	6	8	12	16	Fuel Jumper Line - Long	
A-5117369	12	16	24	32	Fuel Connector	
A-5125108	12	16	24	32	Fuel Connector Washer	
A-8925804	8	10	14	20	Exhaust Manifold Stud	
A-23505398	8	10	14	20	Exhaust Manifold Nut	
A-5104439	4	6	10	12	Exhaust Manifold Washer	
A-8927270	12	16	24	32	Water Manifold Stud	

92 SERIES

FUEL INJECTOR & MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
Refer to the INTERSTATE-McBEE FUEL INJECTION CATALOG for DETROIT DIESEL® for a complete listing of injector assemblies and components.						
A-23511850	6	8	12	16	Fuel Jumper Line - Short	For offset body injectors
A-23511851	6	8	12	16	Fuel Jumper Line - Long	For offset body injectors
A-23511853	6	8			Fuel Jumper Line - Short "JAKE"	
A-23511854	6	8			Fuel Jumper Line - Long "JAKE"	
A-5117369	12	16	24	32	Fuel Connector	
A-5125108	12	16	24	32	Fuel Connector Washer	
A-5121259	6	8	12	16	Injector Clamp	For offset body injectors
A-5150250	6	8	12	16	Injector Clamp Washer	

FUEL PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5199560	1	1	1	1	Fuel Pump Assembly	LH standard capacity
R-5199560	1	1	1	1	Fuel Pump Assembly - Rebuilt	LH standard capacity
A-5199735	1	1	1	1	Fuel Pump Assembly	LH high capacity
R-5199735	1	1	1	1	Fuel Pump Assembly - Rebuilt	LH high capacity
A-5195078	1	1	1	1	Fuel Pump Repair Kit	For standard capacity
A-5149599	1	1	1	1	Fuel Pump Repair Kit	For high capacity
A-5102257	1	1	1	1	Fuel Pump Drive Fork	
A-5150193	1	1	1	1	Fuel Pump Mounting Gasket	
A-5110760	1	1	1	1	Fuel Primer Hand Pump	

SHUTDOWN CONTROL

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23504196	1	1	1	1	Shutdown Solenoid - 12V	
A-23504197	1	1	1	1	Shutdown Solenoid - 24V	

GOVERNOR COMPONENTS

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-IDS29397	1	1	1	1	Governor Repair Kit - Double Weight	For mechanical limiting unit
A-IDS02825	1	1	1	1	Governor Repair Kit - Single Weight	For mechanical limiting unit
A-8924869	1	1	1	1	Cover Gasket	Cover to governor housing
A-9431896	1	1	1	1	Bearing	Operating shaft upper
A-9436682	1	1	1	1	Bearing	Operating shaft lower
A-116337	1	1	1	1	Expansion Plug - 11/16"	Under lower bearing
A-5165221	1	1	1	1	Gasket	Weight shaft cap
A-9424121	1	1	1	1	Bearing	For weight shaft
A-9437108	1	1	1	1	Riser Bearing	
A-5147910	1	1	1	1	Riser - .865"L	
A-8924266	1	1	1	1	Governor Mounting Gasket	Governor to blower
A-8922593	1	1	1	1	Spring Housing Gasket	
A-5117952	1	1	1	1	Buffer Screw	
A-5174286	1	1	1	1	Buffer Screw Nut	
A-8924267	2	2	2	4	Control Link Hose - 13/16"L	Governor to head adaptor
A-5104556				1	Control Link Hose - .56"L	
A-5104592	4	4	4	8	Hose Clamp	

92 SERIES

BLOWER & BLOWER DRIVE

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23514202	1	1	2	2	Blower Repair Kit	
A-8924453	4	4	8	8	End Plate Seal - OS	
A-5192439	4	4	8	8	Rotor Shaft Sleeve	
A-23500533	1	1	2	2	Blower Seal Kit	
A-5149646	1		2		Blower Installation Kit	Natural
A-5149641	1		2		Blower Installation Kit	Turbocharged
A-5149644		1			Blower Installation Kit	Natural
A-5149643		1			Blower Installation Kit	Turbocharged
A-5149645				1	Blower Installation Kit	All
A-8922666	1		2		Blower Drive Shaft - 29T - w/spring	4.89"L / .790" dia / TD / nitrided
A-8923052	1		2		Blower Drive Shaft - 48T - w/spring	4.89"L / .790" dia / TD / nitrided
A-8923053		1		2	Blower Drive Shaft - 48T - w/spring	6.67"L / .790" dia / TD / nitrided
A-8922634		1		2	Blower Drive Shaf - 29T - w/spring	6.67"L / .790" dia / TD / nitrided
A-5103377	1	1	1	2	Drive Coupling	48-teeth on blower gear
A-5103365	1	1	1	2	--Cam	
A-5196314	1	1	1	2	--Spring Pack	
A-23503682	1	1	1	2	Drive Coupling	29-teeth on blower gear
A-5141473	1	1	1	2	Drive Coupling - Spring Plate Type	48-teeth on blower gear
A-8922517	1	1	1	2	Drive Coupling - Spring Plate Type	29-teeth on blower gear
A-8920765	2	2	2	4	Coupling Spring Plate	
A-5122914	1	1	1	2	Drive Hub	48-teeth
A-5123081	1	1	1	2	Drive Hub w/ Accessory Drive Lugs	48-teeth
A-8922518	1	1	1	2	Drive Hub	29-teeth
A-8922519	1	1	1	2	Drive Hub w/ Accessory Drive Lugs	29-teeth
A-8920764	2	2	2	4	Hub Spring Plate	
A-5139545	1	1	1	1	Accessory Drive Coupling	

TURBOCHARGER & AFTERCOOLER MOUNTING

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5103394	1	1	AR	AR	Mounting Gasket	TO4 model turbo
A-8929529	1	1	AR	AR	Mounting Gasket	T18A & TV6/7 model turbo
A-9411981	4	4	AR	AR	Lock Nut 3/8-24	
A-5170466	1	1	AR	AR	Oil Inlet Gasket	
A-5170468	1	1	AR	AR	Oil Drain Gasket	
A-5147911	2	2	AR	AR	Air Outlet Hose Clamp	3.5" dia
A-5147912	2	2	AR	AR	Air Outlet Hose Clamp	3.375" dia
A-5162888	1	1	AR	AR	Air Outlet Hose	3.5"ID x 2.25"L
A-8926957	1	1	AR	AR	Air Outlet Hose	4"ID x 2.375"L
A-5101138	4	4	8	8	Aftercooler Seal Ring	
A-5137620	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	3.82" dia
A-5146165	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	3.88" dia
A-5137619	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	4.50" dia
A-5132650	AR	AR	AR	AR	Exhaust Tube Clamp (marmon)	5.25" dia

92 SERIES

OIL PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5196602	1	1			Gear Set	1.302" width gears
A-8927135	1	1			Drive Gear - 37 teeth	
A-8928545	1	1			Key 3/16 x 7/8	

OIL RELIEF & REGULATOR

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8922740	2	2	2	3	Valve	
A-5126327	2	2	2	3	Spring - 2.96"L	
A-5126326				1	Spring - 2.57"L	

OIL FILLER & DIPSTICK

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5117362	1	1	AR	AR	Filler Cap - 2" diameter	Expansion rubber type
A-5146679	1	1	1	1	Dipstick - Universal Unmarked	61"L expansion type
A-5146680	1	1	1	1	Dipstick - Universal Unmarked	72"L cane handle type

OIL COOLER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-8547195	AR	AR			Cooler Core - 18-plate	Single stack
A-8547236	AR				Cooler Core - 13-plate	Single stack
A-8547237	AR	AR	AR	AR	Cooler Core - 24-plate	Double stack
A-8547547	AR	AR			Cooler Core - 16-plate	Single stack
A-8547552			AR	AR	Cooler Core - 32-plate	Double stack
A-8547554			AR		Cooler Core - 12-plate	Single stack / double base
A-8547561		AR	AR		Cooler Core - 24-plate	12-engine & 12-marine gear

WATER PUMP

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-23506852	1	1			Rebuild Kit	
A-23506871			1	1	Rebuild Kit	
A-23505995	1	1			Impeller	
A-23506000			1		Impeller	
A-23506002				1	Impeller	
A-23522434	1	1	1	1	Unitized Seal	
A-23506053	1	1	1	1	Shaft	
A-23503687	1	1	1	1	Bearing Inner	
A-23503649	1	1	1	1	Bearing Outer	
A-23501819	1	1	1	1	Oil Seal	
A-221436	1	1	1	1	Flatwasher	
A-274746	1	1	1	1	Lock Ring	
A-5117972	1	1	1	1	Lock Nut	
A-5117975	1	1	1	1	Cover Gasket	
A-5117976			1		Cover Gasket	
A-23505239				1	Cover Gasket	
A-5103544	1	1	1		Mounting Seal Ring	
A-5109515				1	Mounting Gasket	

92 SERIES

THERMOSTAT

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5102112	2	2	4	4	Thermostat 160° F	Full blocking / use seal
A-23503826	2	2	4	4	Thermostat 170° F	Full blocking / use seal
A-23503825	2	2	4	4	Thermostat 180° F	Full blocking / use seal
A-5132155	2	2	4	4	Seal	Use with full blocking

RAW WATER PUMP & HEAT EXCHANGER

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5197222	1	1	1	1	Reconditioning Kit	Pumps #5122599,#23507972
A-5196846	1	1	1	1	Impeller Replacement Kit	Impeller #8924839
A-5197224	1	1	1	1	Reconditioning Kit	Pumps #5115396,#23507971
A-5194860	1	1	1	1	Impeller Replacement Kit	Impeller #8924839
A-8517479	2	2	2	2	Electrode Assembly - 2 1/8" L	At pump inlet & exchanger
A-8515850	2	2	2	2	Electrode Assembly - 3 3/8" L	In exchanger

AIR COMPRESSOR DRIVE

PART #	6V	8V	12V	16V	DESCRIPTION	NOTE
A-5170450	1	1	1	1	Drive Plate	On drive gear
A-5141773	1	1	1	1	Coupling	
A-5144866	1	1	1	1	Hub	On compressor

92 SERIES

GASKET LISTING

DESCRIPTION	NOTE	PART#	6V	8V	12V	16V
Aftercooler Seal Ring		A-5101138	4	4	8	8
Air Box Cover Gasket	Small cover	A-8923792	2	4	8	8
Air Box Cover Gasket	Large cover	A-8923791	2	2	2	4
Air Inlet Housing Gasket	To blower with screen	A-5103515	1		2	
Air Inlet Housing Gasket	To blower with screen	A-5103602		1		2
Air Inlet Housing Gasket	To blower no screen	A-5102062		1		2
Air Inlet Housing Gasket	To blower with screen	A-5103601				
Air Inlet Housing Rectangular Seal	On top of blower	A-5104978	1	1		
Air Inlet Housing Seal	On top of blower	A-5101419	2	2		
Exhaust Manifold Gasket	Metal clad	A-5122866	2			
Exhaust Manifold Gasket	Metal clad	A-5120224		4	4	8
Exhaust Manifold Gasket	Metal clad	A-5120223			2	
Exhaust Manifold Gasket	Metal clad 6 bolt hole	A-8925587			2	
Flywheel Housing Cover Gasket	Large hole	A-23515145	2	2	3	3
Flywheel Housing Cover Gasket	Small hole (star)	A-5104507	4	4	5	5
Flywheel Housing Gasket		A-5144875	1	1	1	1
Front Cover Gasket	Upper	A-5123638	1	1		
Front Cover Gasket	Lower	A-5121714	1	1		
Front Gear Housing Gasket		A-5144875			1	1
Fuel Pump Mounting Gasket		A-5150193	1	1	1	1
Governor Cover Gasket	Mechanical governor	A-8924869	1	1	1	1
Oil Pan Gasket		A-23503588	1			
Oil Pan Gasket		A-5117231		1		
Oil Pan Gasket	Sub pan to block	A-8920608			1	
Oil Pan Gasket - Lower	Sump to sub pan	A-5125635			1	
Oil Pan Sump Gasket	Round steel sump cover	A-5124796			1	
Oil Pan Gasket Kit	Sub pan to block	A-5126562				1
Oil Pan Gasket - Lower	Front sump to sub pan	A-5150115				2
Oil Pan Gasket - Lower	Rear sump to sub pan	A-5150116				2
Oil Pickup Tube Gasket		A-5117242	1	1		
Oil Pickup Tube Gasket		A-5123241			1	
Oil Regulator & Relief Gasket		A-5117269	2	2	2	2
Oil Regulator & Relief Gasket		A-29503153			1	1
Rocker Cover Gasket - Neoprene	For steel cover	A-5143405	2			
Rocker Cover Gasket - Neoprene	For steel cover	A-5143406		2		4
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104018	2		4	
Rocker Cover Gasket - Silicone	For cast aluminum cover	A-5104081		2		4
Rocker Cover Isolator	For cast aluminum cover	A-5104515	4	4	8	8
Starter Gasket	For wet housings	A-5130995	1	1	1	1
Thermostat Housing Cover Gasket		A-5117786	2	2		
Thermostat Housing Cover Gasket	Rapid warm housing	A-5133450	2	2		
Thermostat Housing Cover Gasket		A-5175989			2	2
Turbocharger Mounting Gasket	TO4 model turbo	A-5103394			AR	AR
Turbocharger Mounting Gasket	TV model turbo	A-8929529	1	1	AR	AR
Turbocharger Oil Gasket	Supply	A-5170466	1	1	AR	AR
Turbocharger Oil Gasket	Drain TO4 model turbo	A-5138977	1	1	AR	AR
Turbocharger Oil Gasket	Drain TV model turbo	A-5170468	1	1	AR	AR

92 SERIES
CYLINDER KIT
COMPONENTS

CYLINDER KIT	LINERLESS KIT	LINER	PORT	LINER SEAL	PISTON	SKIRT	RING SET	PIN	RETAINER	SLIPPER	PISTON SEAL
A-23524337	A-LCK24337	A-23507231	.95"	(2) A-8927189	A-23504353 (15:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524339	A-LCK4341	A-5148505	1.05"	(2) A-8927189	A-5144872 (17:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524340	A-LCK4341	A-23507231	.95"	(2) A-8927189	A-5144872 (17:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524341	A-LCK4341	A-5107176	.95"	(2) A-8927189	A-5144872 (17:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524342	A-LCK4342	A-23507231	.95"	(2) A-8927189	A-5144872 (17:1)	A-23508986	A-23524542	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524343	A-LCK4342	A-23508383	.85"	(2) A-8927189	A-5144872 (17:1)	A-23508986	A-23524542	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524344	A-LCK4344	A-23508383	.85"	(2) A-8927189	A-8926480 (18:1)	A-23508986	A-23524542	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524345	A-LCK4345	A-5148505	1.05"	(2) A-8927189	A-8926480 (18:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729
A-23524346	A-LCK4345	A-5107176	.95"	(2) A-8927189	A-8926480 (18:1)	A-23508986	A-23524349	A-5101120	(2) A-5180250	A-23501687	A-8923729

CONNECTING ROD HARDWARE

QTY.	PART #	DESCRIPTION
2	A-5148373	Pin Bolt
2	A-5144846	Pin Bolt Spacer
2	A-5132383	Rod Cap Bolt
2	A-5117629	Rod Cap Bolt Nut

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149 SERIES

CYLINDER COMPONENTS

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23502388	8	12	16	Piston Crown	16:1 wide fire ring
A-23502389	8	12	16	Piston Crown	15:1 narrow fire ring
A-23502390	8	12	16	Piston Crown	16:1 narrow fire ring
A-23502671	8	12	16	Piston Crown	17:1 narrow fire ring
A-23502672	8	12	16	Piston Crown	17:1 wide fire ring
A-8928932	8	12	16	Ring Set - T / TI - Low Sulfur	Narrow fire ring
A-23522936	8	12	16	Ring Set - Natural 17:1 - Low Sulfur	Narrow fire ring
A-23501524	8	12	16	Ring Set - T / TI - High Sulfur	Wide fire ring
A-23522937	8	12	16	Ring Set - Natural 17:1 - High Sulfur	Wide fire ring
A-5138135	8	12	16	Liner STD	1.15" port
A-5149060	AR	AR	AR	Liner .002" OS	1.15" port
A-23502356	8	12	16	Liner STD	.85" port
A-23523189	8	12	16	Cylinder Installation Kit	
A-5144912	8	12	16	Piston Skirt	
A-8924099	8	12	16	Crown Seal	
A-8926002	8	12	16	Piston Pin	
A-5101323	16	24	32	Piston Pin Retainer	
A-23520852	8	12	16	Slipper Bearing	
A-5101198	16	24	32	Liner Seal Ring	
A-23504149	16	24	32	Pin Bolt	
A-5141126	16	24	32	Pin Bolt Spacer	

ENGINE BEARINGS

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-5198547	8	12	16	Rod Bearing - STD	
A-5199105	8	12	16	Rod Bearing - .010"	
A-5199106	8	12	16	Rod Bearing - .020"	
A-5199107	8	12	16	Rod Bearing - .030"	
A-5149096	4	6	8	Main Bearing - Narrow STD	
A-5198615	1	2	2	Main Bearing - Wide STD	
A-5149111	4	6	8	Main Bearing - Narrow .010"	
A-5199110	1	2	2	Main Bearing - Wide .010"	
A-5149113	4	6	8	Main Bearing - Narrow .020"	
A-5199112	1	2	2	Main Bearing - Wide .020"	
A-5149115	4	6	8	Main Bearing - Narrow .030"	
A-5199114	1	2	2	Main Bearing - Wide .030"	
A-5138992	4	4	4	Thrust Washer	
A-141359	4	4	4	Thrust Washer Pin	
A-5140203	32	48	64	Cam Bearing	
A-9424926	2	2	2	Cam Gear Bearing	
A-9424929	3	3	3	Idler Gear Bearing	
A-5139143	2	2	2	Blower Drive Bushing	

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149 SERIES

GASKET SETS

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23516642	1			Overhaul Gasket Set	Complete w/ tube style head sets
A-23516494		1		Overhaul Gasket Set	Minus head sets
A-23516494CO		1		Overhaul Gasket Set	Complete w/ tube style head sets
A-23516493			1	Overhaul Gasket Set	Minus head sets
A-23516493CO			1	Overhaul Gasket Set	Complete w/ tube style head sets
A-5149597	8	12	16	Head Set	Tube & ferrule style
A-23522737	8	12	16	Head Set	Integral seal STD
MCB149HBK	8	12	16	Head Bolt Kit	Bolts & washers for one head
A-23500485	1			Blower Installation Kit	
A-5199524		2		Blower Installation Kit	
A-5199526			2	Blower Installation Kit	

CYLINDER HEAD COMPONENTS

3/8" VALVE STEM WITH ADJUSTABLE BRIDGE

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-8921205	32	48	64	Valve Kit	Valve and locks "J6"
A-8928729	32	48	64	Valve & Cap Kit	Valve, spring cap & locks "U"
A-8926328	32	48	64	Valve & Cap Kit	Valve, spring cap & locks "J6"
A-23505104	32	48	64	Valve Guide	
A-5144008	32	48	64	Valve Stem Seal	
A-5139982	32	48	64	Valve Seat - STD	
A-8924798	AR	AR	AR	Valve Seat - .010" OS	
A-23512120	32	48	64	Valve Spring	
A-8925202	32	48	64	Valve Spring Cap	
A-8925203	64	96	128	Valve Locks	
A-5199528	8	12	16	Injector Tube Kit	
A-5138378	8	12	16	Injector Rocker Arm Roller	
A-5138656	8	12	16	Injector Rocker Arm Pin	
A-5138644	8	12	16	Injector Rocker Arm Bushing	
A-5138651	16	24	32	Valve Rocker Arm Roller	
A-5138513	16	24	32	Valve Rocker Arm Pin	
A-5138370	16	24	32	Valve Rocker Arm Bushing	
A-5138643	24	36	48	Rocker Arm Button	
A-8929607	24	36	48	Rocker Arm Adjuster Screw	
A-5176830	24	36	48	Adjuster Screw Jam Nut	3/8-24
A-5104243	12	24	32	Bridge	
A-5129101	12	24	32	Bridge Adj. Screw	5/16-24x1.00"
A-5151601	12	24	32	Jam Nut	5/16-24
MCB149HBK	8	12	16	Head Bolt Kit	Bolts & washers for one head
A-23516958	2	3	4	Head Bolt Kit 4 Heads	

149 SERIES

ROCKER COVER MOUNTING

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23507345	2		4	Rocker Cover Gasket	
A-23507344		4		Rocker Cover Gasket	
A-23508779	2		4	Rocker Cover Seal	
A-23508780		4		Rocker Cover Seal	
A-5104015	8	16	16	Rocker Cover Hold Down Bolt	
A-8929255	8	16	16	Rocker Cover Isolator	
A-5104514	8	16	16	Rocker Cover Isolator Washer	

CRANKSHAFT SEALS

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23505760	1	1	1	Seal Directional w/Dust Lip	Front R.H. rotation engines
A-23507976	1	1	1	Seal Directional	Rear R.H. rotation engines
A-23507976	1	1	1	Seal Directional	Front L.H. rotation engines
A-23505760	1	1	1	Seal Directional w/Dust Lip	Rear L.H. rotation engines
A-23501875	1	1	1	Rear Seal Lip Type	Use with A-5198553 sleeve
A-5198553	1	1	1	Rear Sleeve	

BLOWER

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23509236	1	2	2	Blower Repair Kit	
A-23509313	2	2	2	Seal Kit	
A-5139043	1		1	Drive Shaft - Rear	9.90"L
A-5138959		1			10.70"L

THERMOSTAT

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-23503827	6	6	6	Thermostat 160° F	Full blocking / use seal
A-23503826	6	6	6	Thermostat 170° F	Full blocking / use seal
A-5132155	6	6	6	Seal	Use with full blocking
A-5139501	2	2	2	Thermostat Housing Gasket	

SIDE ACCESS GASKETS

PART #	8V	12V	16V	DESCRIPTION	NOTE
A-8927618	6	8	12	Block Hand Hole Gasket	
A-23506132	4	4	8	Block Water Cover Gasket	
A-8927620	4	12	8	Oil Pan Hand Hole Gasket	Single
A-8927619	2		4	Oil Pan Hand Hole Gasket	Double

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts – U.S.A. and Canada

COVERAGE

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Castings

Cylinder head and cylinder block castings are warranted for 12 months from date of installation; part replacement only, no progressive damage, no labor.

Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty." This warranty does not apply to parts provided by Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond thirty (30) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts and labor needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid in accordance with published labor rates, but not to exceed reasonable flat rates times nor Interstate McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (30) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy. Fuel Injection parts and countries not included here-in are covered under a separate warranty titled "Interstate-McBee, LLC LIMITED General Products warranty."

This warranty for the U.S.A. & Canada shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof. This warranty applies to parts sold by Interstate-McBee on or after August 2007.

INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- **Export & Remanufactured Engine Parts**
- **All Fuel Injection, New & Remanufactured**

COVERAGE

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months, 100,000 miles or 2,000 hours of operation, whichever comes first, from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond eighteen (18) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. OWNER MUST GET AUTHORIZATION FROM INTERSTATE-MCBEE'S WARRANTY ADMINISTRATOR (ALONG WITH A RETURN MATERIAL AUTHORIZATION FORM) PRIOR TO FILING A WARRANTY CLAIM WITHIN SAID WARRANTY PERIOD

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; overfueling*; overspeeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond eighteen (18) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Interstate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy.

*covered on fuel injection products

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

This warranty applies to parts sold by Interstate on or after August, 2007.



For Excellence in Export



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