



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



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# 53 SERIES

## IN-FRAME KITS

PART #	DESCRIPTION	3	4	6V	CYL KIT
A-353	Trunk / Natural / 21:1 / N&C Injector	1			A-5198899
A-353-17:1	Trunk / Natural / 17:1 / S Injector	1			A-5198903
A-353T	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter	1			A-5149734
A-353XHT.74	Crosshead / Turbocharged / 18:1 / .74" Port Height	1			A-23503810
A-353XHT.84	Crosshead / Turbocharged / 18:1 / .84" Port Height	1			A-23503811
A-453-21:1	Trunk / Natural / 21:1 / N&C Injector		1		A-5198899
A-453-17:1	Trunk / Natural / 17:1 / S Injector		1		A-5198903
A-453-T	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter		1		A-5149734
A-453XHT.74	Crosshead / Turbocharged / 18:1 / .74" Port Height		1		A-23503810
A-453XHT.84	Crosshead / Turbocharged / 18:1 / .84" Port Height		1		A-23503811
A-6V53-21:1	Trunk / Natural / 21:1 / N&C Injector			1	A-5198899
A-6V53-17:1	Trunk / Natural / 17:1 / S Injector			1	A-5198903
A-6V53-T	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter			1	A-5149734
A-6V53XHT.74	Crosshead / Turbocharged / 18:1 / .74" Port Height			1	A-23503810
A-6V53XHT.84	Crosshead / Turbocharged / 18:1 / .84" Port Height			1	A-23503811

## OVERHAUL KITS

PART #	DESCRIPTION	3	4	6V	CYL KIT
A-353-OH	Trunk / Natural / 21:1 / N&C Injector	1			A-5198899
A-353-OH-17:1	Trunk / Natural / 17:1 / S Injector	1			A-5198903
A-353T-OH	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter	1			A-5149734
A-353XHT.74-OH	Crosshead / Turbocharged / 18:1 / .74" Port Height	1			A-23503810
A-353XHT.84-OH	Crosshead / Turbocharged / 18:1 / .84" Port Height	1			A-23503811
A-453-21:1-OH	Trunk / Natural / 21:1 / N&C Injector		1		A-5198899
A-453-17:1-OH	Trunk / Natural / 17:1 / S Injector		1		A-5198903
A-453-T-OH	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter		1		A-5149734
A-453XHT.74-OH	Crosshead / Turbocharged / 18:1 / .74" Port Height		1		A-23503810
A-453XHT.84-OH	Crosshead / Turbocharged / 18:1 / .84" Port Height		1		A-23503811
A-6V53-21:1-OH	Trunk / Natural / 21:1 / N&C Injector			1	A-5198899
A-6V53-T-OH	Trunk / Turbocharged / 18.7:1 / 1.5" Pin Diameter			1	A-5149734
A-6V53XHT.74-OH	Crosshead / Turbocharged / 18:1 / .74" Port Height			1	A-23503810
A-6V53XHT.84-OH	Crosshead / Turbocharged / 18:1 / .84" Port Height			1	A-23503811

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# 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

# 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	
<b>NOTE: # The above sets do not include crankshaft seals and contain only basic cooler gaskets.</b>					

## 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	

# 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	

# 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

# CYLINDER KIT COMPONENTS

## 53 SERIES

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	2	3	4	6	CYL KIT
A-271-2V-#3	Trunk / 2-Valve / 17.5:1 / .81" Port Height	1				A-23505309
A-371-2V-#3	Trunk / 2-Valve / 17.5:1 / .81" Port Height		1			A-23505309
A-371-2VC-#3	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C		1			A-23505309
A-371-NA-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height		1			A-23505306
A-371-NAC-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C		1			A-23505306
A-371-XH-#2	Crosshead / Natural / 18.7:1 / 1.05" Port Height		1			A-23522949
A-371-XHC-#2	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23522949
A-471-2V-#3	Trunk / 2-Valve / 17.5:1 / .81" Port Height			1		A-23505309
A-471-2VC-#3	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C			1		A-23505309
A-471-NA-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height			1		A-23505306
A-471-NAC-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C			1		A-23505306
A-471-XH-#3	Crosshead / Natural / 18.7:1 / 1.05" Port Height			1		A-23522947
A-471-XHC-#3	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23522947
A-471-XHT-#3	Crosshead / Turbo / 17.5:1 / 1.05" Port Height			1		A-23522953
A-471-XHTC-#3	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C			1		A-23522953
A-671-2V-#3	Trunk / 2-Valve / 17.5:1 / .81" Port Height				1	A-23505309
A-671-2VC-#3	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C				1	A-23505309
A-671-NA-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height				1	A-23505306
A-671-NAC-#3	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C				1	A-23505306
A-671-XH-#3	Crosshead / Natural / 18.7:1 / 1.05" Port Height				1	A-23522947
A-671-XHC-#3	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C				1	A-23522947
A-671-XHT	Crosshead / Turbo / 17.5:1 / 1.05" Port Height				1	A-23522953
A-671-XHTC	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C				1	A-23522953

## OVERHAUL KITS

PART #	DESCRIPTION	2	3	4	6	CYL KIT
A-271-2V-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port Height	1				A-23505309
A-371-2V-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port Height		1			A-23505309
A-371-2VC-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C		1			A-23505309
A-371-NA-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height		1			A-23505306
A-371-NAC-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C		1			A-23505306
A-371-XH-#2-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height		1			A-23522949
A-371-XHC-#2-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23522949
A-471-2V-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port Height			1		A-23505309
A-471-2VC-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C			1		A-23505309
A-471-NA-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height			1		A-23505306
A-471-NAC-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C			1		A-23505306
A-471-XH-#3-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height			1		A-23522947
A-471-XHC-#3-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23522947
A-471-XHT-#3-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port Height			1		A-23522953
A-471-XHTC-#3-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C			1		A-23522953
A-671-2V-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port Height				1	A-23505309
A-671-2VC-#3-OH	Trunk / 2-Valve / 17.5:1 / .81" Port / Cast R/C				1	A-23505309
A-671-NA-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port Height				1	A-23505306
A-671-NAC-#3-OH	Trunk / 4-Valve / 18.7:1 / 1.05" Port / Cast R/C				1	A-23505306
A-671-XH-#3-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height				1	A-23522947
A-671-XHC-#3-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C				1	A-23522947
A-671-XHT-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port Height				1	A-23522953
A-671-XHTC-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C				1	A-23522953

# 71 SERIES

## 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

# 71 SERIES

## 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	

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## 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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## 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	

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## 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

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## 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

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## CYLINDER KIT COMPONENTS

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-LCK5306	A-23502021	#2	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
A-23505306	A-23505306#3	A-LCK5306	A-23502022	#3	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-5149261	A-LCK5306	A-23504936	#4	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-23505305.005	A-LCK5306	A-5193732	.005"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-5149263	A-LCK5306	A-5193733	.010"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-5149264	A-LCK5306	A-5193734	.020"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-23505305.030	A-LCK5306	A-5193735	.030"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	②/A-5188405		
	A-23505307#2	A-LCK5307	A-23502021	#2	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
A-23505307	A-23505307#3	A-LCK5307	A-23502022	#3	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
	A-23505307.001	A-LCK5307	A-23504936	#4	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
	A-23505307.005	A-LCK5307	A-5193732	.005"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
	A-23505307.010	A-LCK5307	A-5193733	.010"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
	A-23505307.020	A-LCK5307	A-5193734	.020"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
	A-23505307.030	A-LCK5307	A-5193735	.030"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	②/A-5188405		
A-23505308	A-23505309#2	A-LCK5309	A-23504932	#2	.81"	A-5189054 (17:1)		A-5193477	A-5188406	②/A-5188405		
A-23505309	A-23505309#3	A-LCK5309	A-23504933	#3	.81"	A-5189054 (17:1)		A-5193477	A-5188406	②/A-5188405		
	A-23522473	A-LCK22473	A-23502024	#2	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522477	A-LCK22473	A-23502025	#3	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522479	A-LCK22473	A-23504935	#4	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522481	A-LCK22473	A-5107449	.010"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522483	A-LCK22473	A-5107450	.020"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522485	A-LCK22485	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-LCK22485	A-23502022	#3	1.05"	A-23521992 (17:1)	A-23522070	A-23522955	A-5101120	②/A-5180250	A-23501687	A-8922221
	A-23522485	A-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	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	6V	8V	12V	16V	CYL KIT
A-6V71-NA	Trunk / Natural / 18.7:1 / 1.05" Port Height	1				A-23505306
A-6V71-NAC	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C	1				A-23505306
A-6V71-XH	Crosshead / Natural / 18.7:1 / 1.05" Port Height	1				A-23522949
A-6V71-XHC	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C	1				A-23522949
A-6V71-XHT	Crosshead / Turbo / 17.5:1 / 1.05" Port Height	1				A-23522953
A-6V71-XHTC	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C	1				A-23522953
A-8V71-NA	Trunk / Natural / 18.7:1 / 1.05" Port Height		1			A-23505306
A-8V71-NAC	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23505306
A-8V71-XH	Crosshead / Natural / 18.7:1 / 1.05" Port Height		1			A-23522949
A-8V71-XHC	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23522949
A-8V71-XHT	Crosshead / Turbo / 17.5:1 / 1.05" Port Height		1			A-23522953
A-8V71-XHTC	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C		1			A-23522953
A-12V71-NA	Trunk / Natural / 18.7:1 / 1.05" Port Height			1		A-23505306
A-12V71-NAC	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23505306
A-12V71-XH	Crosshead / Natural / 18.7:1 / 1.05" Port Height			1		A-23522949
A-12V71-XHC	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23522949
A-12V71-XHT	Crosshead / Turbo / 17.5:1 / 1.05" Port Height			1		A-23522953
A-12V71-XHTC	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C			1		A-23522953
					NOTE	
<b>NOTE: For 16V units individual components are available.</b>						

## OVERHAUL KITS

PART #	DESCRIPTION	6V	8V	12V	16V	CYL KIT
A-6V71-NA-OH	Trunk / Natural / 18.7:1 / 1.05" Port Height	1				A-23505306
A-6V71-NAC-OH	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C	1				A-23505306
A-6V71-XH-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height	1				A-23522949
A-6V71-XHC-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C	1				A-23522949
A-6V71-XHT-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port Height	1				A-23522953
A-6V71-XHTC-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C	1				A-23522953
A-8V71-NA-OH	Trunk / Natural / 18.7:1 / 1.05" Port Height		1			A-23505306
A-8V71-NAC-OH	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23505306
A-8V71-XH-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height		1			A-23522949
A-8V71-XHC-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C		1			A-23522949
A-8V71-XHT-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port Height		1			A-23522953
A-8V71-XHTC-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C		1			A-23522953
A-12V71-NA-OH	Trunk / Natural / 18.7:1 / 1.05" Port Height			1		A-23505306
A-12V71-NAC-OH	Trunk / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23505306
A-12V71-XH-OH	Crosshead / Natural / 18.7:1 / 1.05" Port Height			1		A-23522949
A-12V71-XHC-OH	Crosshead / Natural / 18.7:1 / 1.05" Port / Cast R/C			1		A-23522949
A-12V71-XHT-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port Height			1		A-23522953
A-12V71-XHTC-OH	Crosshead / Turbo / 17.5:1 / 1.05" Port / Cast R/C			1		A-23522953
					NOTE	
<b>NOTE: For 16V units individual components are available.</b>						



# 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	

# 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	
<b>NOTE: The above sets do not include R/C gaskets or crankshaft seals and only basic cooler gaskets.</b>						

## 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	
<b>NOTE: The above head sets sets do not include rocker cover gaskets.</b>						

## 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



# 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	



## V71 SERIES

### 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

# V71 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	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

# V71 SERIES

## CYLINDER KIT COMPONENTS

REFERENCE CYLINDER KIT	McBEE CYLINDER KIT	LINERLESS KIT	LINER	SIZE	PORT	PISTON	SKIRT	RING SET	PIN	RETAINER	SLIPPER	PISTON SEAL
A-235053005	A-235053005#2	A-LCK5306	A-23502021	#2	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
A-235053006	A-235053006#3	A-LCK5306	A-23502022	#3	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149261	A-LCK5306	A-23504936	#4	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-235053005.005	A-LCK5306	A-5193732	.005"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149263	A-LCK5306	A-5193733	.010"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-5149264	A-LCK5306	A-5193734	.020"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-235053005.030	A-LCK5306	A-5193735	.030"	1.05"	A-5149234 (18.7:1)		A-23514970	A-5188406	(2) A-5188405		
	A-235053007#2	A-LCK5307	A-23502021	#2	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
A-235053007	A-235053007#3	A-LCK5307	A-23502022	#3	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-235053007.001	A-LCK5307	A-23504936	#4	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-235053007.005	A-LCK5307	A-5193732	.005"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-235053007.010	A-LCK5307	A-5193733	.010"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-235053007.020	A-LCK5307	A-5193734	.020"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-235053007.030	A-LCK5307	A-5193735	.030"	1.05"	A-5149236 (17:1)		A-23514971	A-5144495	(2) A-5188405		
	A-23522473	A-LCK22473	A-23502024	#2	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522477	A-LCK22473	A-23502025	#3	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522479	A-LCK22473	A-23504935	#4	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522481	A-LCK22473	A-5107449	.010"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522483	A-LCK22473	A-5107450	.020"	.95"	A-23521992 (17:1)	A-23522070	A-23522954	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522485	A-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22485	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22507	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	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-LCK22949	A-5193733	.010"	1.05"	A-23522026 (18.7:1)	A-23522070	A-23526990	A-5101120	(2) A-5180250	A-23501687	A-8922221
	A-23522952	A-LCK22949	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-LCK22949	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	6V	8V	12V	16V	CYL KIT
A-6V92-XH	18:1 Ratio / 1.05" Port / Wide Gap / Steel Cover	1				A-23524345
A-6V92-XHC	18:1 Ratio / 1.05" Port / Wide Gap / Cast Cover	1				A-23524345
A-6V92-XHT	17:1 Ratio / 1.05" Port / Wide Gap / Steel Cover	1				A-23524339
A-6V92-XHTC	17:1 Ratio / 1.05" Port / Wide Gap / Cast Cover	1				A-23524339
A-6V92-XHT-.95	17:1 Ratio / .95" Port / Wide Gap / Steel Cover	1				A-23524341
A-6V92-XHTC-.95	17:1 Ratio / .95" Port / Wide Gap / Cast Cover	1				A-23524341
A-6V92-XHTA	17:1 Ratio / .95" Brushed / Wide Gap / Steel Cover	1				A-23524340
A-6V92-XHTAC	17:1 Ratio / .95" Brushed / Wide Gap / Cast Cover	1				A-23524340
A-6V92-XHTC-17:1	17:1 Ratio / .85" Port / STD Gap / Cast Cover	1				A-23524343
A-8V92-XH	18:1 Ratio / 1.05" Port / Wide Gap / Steel Cover		1			A-23524345
A-8V92-XHC	18:1 Ratio / 1.05" Port / Wide Gap / Cast Cover		1			A-23524345
A-8V92-XHT	17:1 Ratio / 1.05" Port / Wide Gap / Steel Cover		1			A-23524339
A-8V92-XHTC	17:1 Ratio / 1.05" Port / Wide Gap / Cast Cover		1			A-23524339
A-8V92-XHT-.95	17:1 Ratio / .95" Port / Wide Gap / Steel Cover		1			A-23524341
A-8V92-XHTC-.95	17:1 Ratio / .95" Port / Wide Gap / Cast Cover		1			A-23524341
				NOTE	NOTE	
<b>NOTE: For 12V &amp; 16V units individual components are available.</b>						

## OVERHAUL KITS

PART #	DESCRIPTION	6V	8V	12V	16V	CYL KIT
A-6V92-XH-OH	18:1 Ratio / 1.05" Port / Wide Gap / Steel Cover	1				A-23524345
A-6V92-XHC-OH	18:1 Ratio / 1.05" Port / Wide Gap / Cast Cover	1				A-23524345
A-6V92-XHT-OH	17:1 Ratio / 1.05" Port / Wide Gap / Steel Cover	1				A-23524339
A-6V92-XHTC-OH	17:1 Ratio / 1.05" Port / Wide Gap / Cast Cover	1				A-23524339
A-6V92-XHT-.95-OH	17:1 Ratio / .95" Port / Wide Gap / Steel Cover	1				A-23524341
A-6V92-XHTC-.95-OH	17:1 Ratio / .95" Port / Wide Gap / Cast Cover	1				A-23524341
A-6V92-XHTC-17:1-OH	17:1 Ratio / .85" Port / STD Gap / Cast Cover	1				A-23524343
A-8V92-XH-OH	18:1 Ratio / 1.05" Port / Wide Gap / Steel Cover		1			A-23524345
A-8V92-XHC-OH	18:1 Ratio / 1.05" Port / Wide Gap / Cast Cover		1			A-23524345
A-8V92-XHT-OH	17:1 Ratio / 1.05" Port / Wide Gap / Steel Cover		1			A-23524339
A-8V92-XHTC-OH	17:1 Ratio / 1.05" Port / Wide Gap / Cast Cover		1			A-23524339
A-8V92-XHT-.95-OH	17:1 Ratio / .95" Port / Wide Gap / Steel Cover		1			A-23524341
A-8V92-XHTC-.95-OH	17:1 Ratio / .95" Port / Wide Gap / Cast Cover		1			A-23524341
				NOTE	NOTE	
<b>NOTE: For 12V &amp; 16V units individual components are available.</b>						

# 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	

## 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	
<b>NOTE: The above sets do not include R/C gaskets or crankshaft seals and only basic cooler gaskets.</b>						

### HEAD GASKET SETS

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

### 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

# 92 SERIES

## 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 &	
<b>Note: # = For outboard front trunnion mount with bearing. &amp; =For non-outboard trunnion units.</b>						

## 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 Shaft - 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	

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## 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

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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	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



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## 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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## 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	



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## 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