



**INTERSTATE-McBEE**



# Parts for **DETROIT DIESEL®** **ENGINES**



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# 53 SERIES

## IN-FRAME KITS

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

## OVERHAUL KITS

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

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# 53 SERIES

## ENGINE BEARINGS

3	4	6V	DESCRIPTION		NOTE
3	4		Connecting Rod Bearing	STD	
3	4		Connecting Rod Bearing	.010"	
3	4		Connecting Rod Bearing	.020"	
3	4		Connecting Rod Bearing	.030"	
		6	Connecting Rod Bearing	STD	
		6	Connecting Rod Bearing	.010"	
		6	Connecting Rod Bearing	.020"	
		6	Connecting Rod Bearing	.030"	
4	5		Main Bearing	STD	Non-turbo / non-slotted
4	5		Main Bearing	.010"	Non-turbo / non-slotted
4	5		Main Bearing	.020"	Non-turbo / non-slotted
4	5		Main Bearing	.030"	Non-turbo / non-slotted
4	5		Main Bearing	STD	Turbocharged / slotted
4	5		Main Bearing	.010"	Turbocharged / slotted
4	5		Main Bearing	.020"	Turbocharged / slotted
4	5		Main Bearing	.030"	Turbocharged / slotted
		4	Main Bearing	STD	Thru S/N 6D11073 on marine models &
		4	Main Bearing	.010"	Thru S/N 6D17959 on all others
		4	Main Bearing	.020"	
		4	Main Bearing	.030"	
		4	Main Bearing (7-hole)	STD	S/N 6D11074 & up on marine models &
		4	Main Bearing (7-hole)	.010"	S/N 6D17960 & up on all others
		4	Main Bearing (7-hole)	.020"	
		4	Main Bearing (7-hole)	.030"	
4	4		Thrust Washer	STD	
4	4		Thrust Washer	.005"	
4	4		Thrust Washer	.010"	
		4	Thrust Washer	STD	
		4	Thrust Washer	.005"	
		4	Thrust Washer	.010"	
4	4	4	Thrust Washer Dowel		
1			Cam Bushing Set	STD	
1			Cam Bushing Set	.010"	
1			Cam Bushing Set	.020"	
	1		Cam Bushing Set	STD	
	1		Cam Bushing Set	.010"	
	1		Cam Bushing Set	.020"	
		1	Cam Bushing Set	STD	
		1	Cam Bushing Set	.010"	
		1	Cam Bushing Set	.020"	
2	2	2	Cam Thrust Washer		
1	1	1	Idler Gear Bushing		
2	2	2	Idler Gear Thrust Washer		
6	8	12	Connecting Rod Bushing		Non-turbo trunk engines

## 53 SERIES

### GASKET SETS

3	4	6V	DESCRIPTION	NOTE
1			Overhaul Gasket Set	With cork R/C gasket #
	1		Overhaul Gasket Set	With cork R/C gasket #
		1	Overhaul Gasket Set	With cork R/C gasket #
		1	Overhaul Gasket Set Turbo Engine	With cork R/C gasket #
		1	Overhaul Gasket Set 5063-5396	
1		2	Cylinder Head Gasket Set	With cork R/C gasket
	1		Cylinder Head Gasket Set	With cork R/C gasket
1			Blower Installation Set	
	1		Blower Installation Set	
		1	Blower Installation Set	

**NOTE: # The above sets do not include crankshaft seals and contain only basic cooler gaskets.**


### CRANKSHAFT SEALS

3	4	6V	DESCRIPTION	NOTE
1	1	1	Front Seal -- Lip Type STD	
1	1	1	Front Seal -- Lip Type O/S	
		1	Front Seal -- Lip Type STD	2.87" OD military
1	1	1	Front Wear Sleeve	Use with O/S seal
1	1	1	Rear Seal -- Lip Type STD	Single lip
1	1	1	Rear Seal -- Lip Type O/S	Single lip
1	1	1	Rear Seal -- Lip Type STD	Double lip
1	1	1	Rear Seal -- Directional Type STD	RH engine rotation
1	1	1	Rear Seal -- Directional Type O/S	RH engine rotation
1	1	1	Rear Wear Sleeve	Use with O/S seal

### ROCKER COVER MOUNTING

3	4	6V	DESCRIPTION	NOTE
1		2	Cover Gasket - Cork	For stamped steel R/C
	1		Cover Gasket - Cork	For stamped steel R/C
1		2	Cover Gasket - Silicone	For cast aluminum R/C
	1		Cover Gasket - Silicone	For cast aluminum R/C
2	2	4	Isolator	For cast aluminum R/C
2	2	4	Isolator Washer	For cast aluminum R/C

# 53 SERIES

## CYLINDER HEAD COMPONENTS

### 4-VALVE

3	4	6V	DESCRIPTION	NOTE
12	16	24	Valve Kit - 4-valve	Non-turbocharged
12	16	24	Valve Kit - 4-valve	Turbocharged - coded "U"
24	32	48	Valve Lock	
12	16	24	Valve Spring HIGH-LIFT	.135" wire diameter
12	16	24	Valve Spring LOW-LIFT	.148" wire diameter
12	16	24	Valve Spring Cap	
12	16	24	Valve Spring Seat	
12	16	24	Valve Guide Kit	Contains guide & seal
12	16	24	Valve Guide	
12	16	24	Valve Guide Seal	Metal with teflon lip
12	16	24	Valve Insert (seat) STD	Non-turbocharged
12	16	24	Valve Insert (seat) .010" O/S	Non-turbocharged
12	16	24	Valve Insert (seat) STD	Turbocharged
9	12	18	Push Rod	
9	12	18	Push Rod Nut	
9	12	18	Push Rod Spring	< S/N 3D6127,4D8548,6D2708
9	12	18	Push Rod Spring	S/N 3D6128,4D8549,6D2709 & up
9	12	18	Push Rod Spring Retainer	
9	12	18	Push Rod Spring Seat Upper	
9	12	18	Push Rod Spring Seat Upper	
9	12	18	Push Rod Spring Seat Lower	
9	12	18	Follower Assembly	
9	12	18	Follower Roller Set	Includes roller, bushing & pin
3	4	6	Follower Guide	
6	8	12	Follower Guide Bolt	
6	8	12	Follower Guide Lockwasher	
3	4	6	Rocker Arm Valve - Left	
3	4	6	Rocker Arm Valve - Right	
3	4	6	Rocker Arm - Injector	MCB4355 repair kit available
3	4	6	Rocker Shaft	
6	8	12	Rocker Shaft Bracket Bolt	
3	4	6	Injector Tube Kit STD	
3	4	6	Injector Tube Kit O/S	Heavy nose
4	6	8	Water Nozzle Double Jet	
6	8	12	Fuel Connector	Flared type
6	8	12	Fuel Connector	Seal ring type
6	8	12	Fuel Connector Washer	
6	8	12	Fuel Jumper Line	Flared type
6	8	12	Fuel Jumper Line	Seal ring type
4	5	8	Exhaust Manifold Stud	
4	5	8	Exhaust Manifold Nut	
4	5	8	Exhaust Manifold Washer	
1		2	Exhaust Manifold Gasket	
	1		Exhaust Manifold Gasket	
1		2	Rocker Cover Gasket - Cork	For steel cover
	1		Rocker Cover Gasket - Cork	For steel cover
1		2	Rocker Cover Gasket - Silicone	For cast aluminum cover
	1		Rocker Cover Gasket - Silicone	For cast aluminum cover