

Cummins Diesel 359 CID; 24 valve head	6BT ISB (Continued)	6 Cylinder Bore 102mm Stroke 120mm	
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ENGINE KITS

6B286090E1	Overhaul kit	286090 Piston, Head gsk esn -> 45889853; esn -> 56621388; non-fractured split rod brgs
6B286090E2	Overhaul kit	286090 Piston, Head gsk esn -> 45889853; esn -> 56621388; fractured split rod brgs
6B286090L1	Overhaul kit	286090 Piston, Head gsk esn 45889854 -> ; esn 56621389 -> ; non-fractured split rod brgs
6B286090L2	Overhaul kit	286090 Piston, Head gsk esn 45889854 -> ; esn 56621389 -> ; fractured split rod brgs
6B286150E1	Overhaul kit	286150 Piston, Head gsk esn -> 45889853; esn -> 56621388; non-fractured split rod brgs
6B286150E2	Overhaul kit	286150 Piston, Head gsk esn -> 45889853; esn -> 56621388; fractured split rod brgs
6B286150L1	Overhaul kit	286150 Piston, Head gsk esn 45889854 -> ; esn 56621389 -> ; non-fractured split rod brgs
6B286150L2	Overhaul kit	286150 Piston, Head gsk esn 45889854 -> ; esn 56621389 -> ; fractured split rod brgs

CYLINDER KIT

6	286090 0WR	Piston kit	102.00mm bore, Std, piston with rings; 71.6mm CD, [3800838 pk, 3946050 pist, 3804990 rings]
6	286090 2WR	Piston kit	.020, Piston with rings [3800841 pk, 3946053 piston, 3806201 rings]
6	286090 4WR	Piston kit	.040, Piston with rings [3800842 pk, 3946054 piston, 3806203 rings]
6	286150 0WR	Piston kit	Std; Piston, rings, pin, retainers [3800781 kit, 3946153 piston]
6	286150 2WR	Piston kit	0.50mm; Piston, rings, pin, retainers [3800784 kit, 3946156 piston]
6	286150 4WR	Piston kit	1.00mm; Piston, rings, pin, retainers [3800785 kit, 3946157 piston]
6	286090 0	Piston	Std; Piston with pin & retainers [3946050]
6	286090 2	Piston	0.50mm; Piston with pin & retainers [3946053]
6	286090 4	Piston	1.00mm; Piston with pin & retainers [3946054]
6	286150 0	Piston	Std; Piston with pin & retainers [3946153]
6	286150 2	Piston	0.50mm; Piston with pin & retainers [3946156]
6	286150 4	Piston	1.00mm; Piston with pin & retainers
6	28609N 0	Ring set	Std; 102.00mm bore [3.00mm K, 2.40mm, 4.00mm] chrome top ring
6	28609N 2	Ring set	0.50mm; 102.00mm std bore [3.00mm K, 2.40mm, 4.00mm] chrome top ring
6	28609N 4	Ring set	1.00mm; 102.00mm std bore [3.00mm K, 2.40mm, 4.00mm] chrome top ring
6	3934047	Piston pin	1.57 dia x 3.255 length
12	3920691	Retainer piston pin	
6	3904166	Cylinder liner	Dry sleeve, repair; 1/16 thick (1.5875mm), to return block to standard

BEARINGS

BMAINBRG	NOTE	If main thrust is 360 degree, ALSO order the separate thrust lower half below
Earlier engines have thrust on upper half only; Newer style have thrust on upper and lower halves		
1	3802070	Bearing main set Std
1	3802071	Bearing main set .25mm
1	3802072	Bearing main set .50mm
1	3802073	Bearing main set .75mm
1	3802074	Bearing main set 1.00mm
1	3945528	Bearing main thrust Std, lower half, 360 degree thrust
1	4945664	Bearing main thrust 0.25mm, lower half, 360 degree thrust
1	3945665	Bearing main thrust 0.50mm, lower half, 360 degree thrust
1	3945666	Bearing main thrust 0.75mm, lower half, 360 degree thrust
1	3945667	Bearing main thrust 1.00mm, lower half, 360 degree thrust
NOTBBRG01	NOTE	For all except: Fracture split rod lower - six used for upper

Cummins 6BT ISB		6 Cylinder	
Diesel (Continued)		Bore 102mm	
359 CID; 24 valve head		Stroke 120mm	
12	3939859	Rod brg std half	[repl by 3969562, repl 3901170]
12	4932375	Bearing rod half	.25mm [repl 3901171]
12	4932376	Bearing rod half	.50mm [repl 3901172]
12	4932377	Bearing rod half	.75mm [repl 3901173]
12	4932378	Bearing rod half	1.00mm [repl 3901174]
	NOTBBRG02	NOTE	For: Fracture split rod lower
6	4893693	Bearing rod half	Std Lower Cummins B
6	4892795	Bearing rod half	0.25mm Lower Cummins B
6	4892796	Bearing rod half	0.50mm Lower Cummins B
6	4892797	Bearing rod half	0.75mm Lower Cummins B
6	4892798	Bearing rod half	1.00mm Lower Cummins B
1	3901085	Bushing con rod	
1	3940059	Bearing cam	OD: 59.38mm (2.34 inch) STORM blocks
GASKET & SEALS			
1	4089790	Set cylinder head	Does not contain head gasket
1	HS541741	Set cylinder head	6B5.9L ISB [OE# 3802981] 1994 and up
esn - > 45889853; esn - > 56621388			
1	3800487	Set conversion	[repl 3802980]
1	54174	Gasket cylinder head	Std [3945803]
esn - > 45889853; esn - > 56621388			
1	54174A	Gasket cylinder head	0.25mm oversize thickness; oversize for 54174 std
1	54174B	Gasket cylinder head	0.50mm oversize thickness; oversize for 54174 std
1	3957650	Gasket cylinder head	[OEM]
esn 45889854 - > ; esn 56621389 - >			
1	VS50317	Gasket valve cover	Does not include grommets
1	3914029	Gasket manifold intake	
6	3946275	Gasket manifold exh	[repl 3943132]
1	3164067	Gasket front cover	Silicone tube [repl 3823494]
1	3940182	Gasket front housing	(replaces: 3931351, 3916131)
1	3284623	Gasket push rod cover	(replaces 3928832)
1	3008400	Gasket accessory drive	Hydraulic pump, Air compressor
1	3903475	Oring tach drive cover	Rectangular ring
1	3959052	Gasket oil pan	[repl 3937072, 3931346, 3911536, 3906028, 3904577, 3901287]
1	3938157	Gasket oil sump	Flange gasket [repl 3931349, 3914383, 3905468, 3900454]
1	3904353	Seal crankshaft front	Seal and dust sleeve (replaces 3900709)
1	3802820	Seal crankshaft front	Seal kit: Seal with wear sleeve [3922598 seal, 3922599/3906080 sleeve]
1	3906080	Sleeve crank seal	Front
1	3909410	Seal crankshaft rear	Seal with dust shield; single lip, dry clutch housing [marked 3933262, S11968]
1	3909411	Seal crankshaft rear	Seal with dust shield; double lip, wet clutch housing
1	3926126	Seal crankshaft rear	Seal with wear sleeve, single lip [can use in place of 3909410]
1	3906081	Sleeve crank seal	Rear
1	3912473	Ring rear seal	Rectangular ring
1	3928493	Gasket rear cover	(New# 39381589) (replaces 3914386)
CAMSHAFT			
12	3942565	Lifter	

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VALVE TRAIN

CYLHEAD	NOTE	
		For complete and bare cylinder heads - Refer to Cylinder Head Catalog or Call with casting
12 02014	Valve intake	1.299 head dia, 4.907 length, 0.2756 stem dia, 30 degree, 1G, chrome plated stem
12 02015	Valve exhaust	1.299 head dia, 4.893 length, 0.2756 stem dia, 45 degree, 1G, chrome plated stem
48 3940123	Valve lock	Cummins ISB/QSB
24 3943161	Valve spring	1.880 free length
24 3942095	Valve spring	1.730 free length
24 3943198	Retainer, Valve Spring	Cummins ISB/QSB
12 122-1335	Seal valve stem	Intake, positive type, viton material, metal clad style
12 122-1334	Seal valve stem	Exhaust, positive type, viton material, metal clad style
12 140-3021	Valve guide	Intake, 0.2776 ID, 0.5015 OD, 1.937 length; replacement for OEM integral guide
12 140-3022	Valve guide	Exhaust, 0.2776 ID, 0.5015 OD, 2.020 length; replacement for OEM integral guide
26 3927063	Bolt cylinder head	M12 x 1.75-130

CRANKSHAFT

1 3944204	Crankshaft	[OEM]
1 3944243	Crankshaft	[OEM] With gear part number 3929027
1 3929027	Gear crankshaft	

CONNECTING ROD

6 3942581	Connecting rod	[OEM] No oil hole for pin bushing [repl 3925232 except engines rated higher than 2500rpm]
12 3900919	Bolt connecting rod	M12

OIL / LUBE SYSTEM

1 3941742	Oil pump	New 3937404 (99T0-7) [3926203, 3924720, 3918212, 3914008, 3914006, 3906414, 3901175]
1 3957544	Oil cooler core assy	7 plate, for dump-to-sump circuit [repl 3921558]
1 3926760	Gasket oil cooler	Core to block [New# 3942914; replaces 3929791, 3918256, 3914387, 3904427, 3903318]
1 3942915	Gasket oil cooler	Core to filter housing, with window

FUEL / INJECTOR

INJECTOR	INJECTOR	
		New or remanufactured available, call for pricing
1 3910503	Oring inj pump	Mounting [New# 3935032] [repl 3930993]
6 3906659	Injector seal	Copper seal for 7mm injector tip, 1.50mm thickness
For 1998 ISB ratings		
6 3029820	Seal injector	ISC/QSC: injector sealing ring
6 3882589	Seal injector	ISC/QSC: injector connector seal ring

COOLING SYSTEM

1 3286278	Water pump kit	Water pump 3285414 with sealing ring 3906698 [repl 3802923]
1 3285414	Water pump	88mm pulley [repl 3927015]
1 3029099	Seal water pump	Impeller side, seal and seat (repl AR12732)
1 3967195	Thermostat kit	3967192 therm/3954829 seal; vented, 83C, caged ball [repl 3954194, 3935811, 3943200, 3946116]
1 4929644	Thermostat kit	4929643 thermostat with 3954829 seal; Jiggle pin, vented, 87C, poppet design [repl 3974371]

TURBO / AIR

TURBO	TURBOCHARGER	
		New or remanufactured available, call for pricing
1 3901356	Gasket turbo mtg	
4 3818823	Stud turbo mtg	
4 3818824	Nut turbo mtg	Flanged
1 3924990	Gasket air intake	[repl 3918982]

BLOCK

14 3914035	Plug expansion	
11 3920706	Plug expansion	
7 3945093	Plug expansion	
2 3945094	Plug expansion	
2 3945095	Plug expansion	