

Caterpillar C12 / 11.9L Diesel 747 CID	6 Cylinder Bore 130mm Stroke 150mm
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ENGINE KITS

1	IF9374/032STR	Inframe kit	Truck, sn MBL1-UP, Straightedge head gsk, applicable to applicatons with less than 500BHP [PLG1979374]
1	IF2948/002SCL	Inframe kit	Truck, sn 9NS1-UP, Scalopededge head gsk, applicable to applicatons with less than 500BHP [PLG1442948]
1	IF2948/002STR	Inframe kit	Truck, sn 9NS1-UP, Straightedge head gsk, applicable to applicatons with less than 500BHP [PLG1442948]
1	IF2948/022SCL	Inframe kit	Truck, sn 2KS1-UP, Scalopededge head gsk, applicable to applicatons with less than 500BHP [PLG1442948]
1	IF2948/022STR	Inframe kit	Truck, sn 2KS1-UP, Straightedge head gsk, applicable to applicatons with less than 500BHP [PLG1442948]
1	IF9328/012SCL	Inframe kit	Truck, sn 1YN1-UP, Scalopededge head gsk, applicable to applicatons with less than 500BHP [PLG1979328]
1	IF9328/012STR	Inframe kit	Truck, sn 1YN1-UP, Straightedge head gsk, applicable to applicatons with less than 500BHP [PLG1979328]
1	IF2948/042STR	Inframe kit	Industrial, sn BDL1-UP, Straightedge head gsk, applicable to applicatons with less than 500BHP [PLG1442948]

CYLINDER KIT

6	PLG1442948	Cylinder kit	PLG kit contains: crown,skirt, rings, pin, retainers, liner and seals applicable to applicatons with less than 500BHP
6	PLG1979328	Cylinder kit	PLG kit contains: crown,skirt, rings, pin, retainers, liner and seals applicable to applicatons with less than 500BHP
6	PLG1979374	Cylinder kit	PLG kit contains: crown,skirt, rings, pin, retainers, liner and seals applicable to applicatons with less than 500BHP
6	1979251	Piston pin	1687296 pin, (2) 1138999 plugs
6	C12RS1	Ring set	Single cylinder, contains 1 each: 1979341, 2165870, 2382704
6	1979341	Ring piston	Compression
6	2168570	Ring piston	Intermediate
6	2382704	Ring piston	Oil control
6	1482130	Cylinder liner	
6	1043560	Cylinder liner seal	
	1687363	Shim cylinder liner	0.22mm [OEM]
	1687364	Shim cylinder liner	0.25mm [OEM]
	1687365	Shim cylinder liner	0.28mm [OEM]
	1687366	Shim cylinder liner	0.50mm [OEM]

BEARINGS

3	2110588	Bearing main pair	Std
	1280382	Bearing main pair	0.50mm
	1280383	Bearing main pair	0.75mm [OEM]
4	2110587	Bearing main pair	Std
	1280400	Bearing main pair	0.50mm
	1280401	Bearing main pair	0.75mm [OEM]
3	1280384	Bearing main pair	Std ID, 0.51mm oversize OD [OEM]
	1280385	Bearing main pair	0.51mm undersize ID, 0.51mm oversize OD [OEM]
4	1280402	Bearing main pair	Std ID, 0.51mm oversize OD [OEM]
	1280403	Bearing main pair	0.51mm undersize ID, 0.51mm oversize OD [OEM]

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2	2463144	Thrust washer	
6	1161089	Bearing rod pair	Std
	1280395	Bearing rod pair	0.50mm
	1280396	Bearing rod pair	0.75mm [OEM]
6	1152972	Bushing con rod	Check for availability
1	2165584	Bearing cam	repl 1300872
Front			
1	2165585	Bearing cam	repl 1280417
Rear			
5	2165583	Bearing cam	repl 1280416
Intermediate			
1	9M2418	Bushing idler gear	
GASKET & SEALS			
1	C12002SCLNLS	Set inframe	Truck engine, serial number 9NS; Scalloped head gasket
1	C12002STRNLS	Set inframe	Truck engine, serial number 9NS; Straight head gasket
1	C12022SCLNLS	Set inframe	Truck engine, serial number 2KS; Scalloped head gasket
1	C12022STRNLS	Set inframe	Truck engine, serial number 2KS; Straight head gasket
1	C12012SCLNLS	Set inframe	Truck engine, serial number 1YN; Scalloped head gasket
1	C12032STRNLS	Set inframe	Truck engine, serial number MBL; Straight head gasket
1	C12042STRNLS	Set inframe	Industrial engine, serial number BDL; Straight head gasket
1	2197004	Set cylinder head	Single
1	2486740	Set cylinder head	Single
1	2902060	Set cylinder head	Single
1	2336984	Set front cover	
1	2341874	Set front cover	
1	2341908	Set front cover	
1	1803446	Set cylinder block and p	
1	2144150	Set cylinder block and p	
1	2527955	Set cylinder block and p	
1	2266620	Set rear cover and hsg	
1	2323679	Set rear structure	
1	1873306-B	Gasket cylinder head	Scalloped edge along the cam side [repl 1163779, 1260065, 1482048, 1620486, 1728182, 1757350] sn: 1YN1-Up, 9NS1-16227, 2KS1-388
1	1873307	Gasket cylinder head	Straight edge along the cam side [repl 1620682, 1704833, 1757400] sn: 9NS16288-Up, 2KS389-Up
1	1095309	Gasket valve cover	
8	7C8292	Isolator valve cover bolt	
1	1260110	Seal crankshaft front	[OEM]
1	7C1728-B	Seal crankshaft rear	
VALVE TRAIN			
12	1929213	Valve intake	Stellite face MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS349 - Up

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12	7E9578-F	Valve intake	1.772 head dia [repl 7C5215]
	1YN1 - Up, 2KS1 - 348		
12	1337029	Valve exhaust	
	MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS1 - Up		
48	2A4429	Valve lock	0.372 stem dia, 2G, 7 degree
	MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS1 - Up		
24	1008150	Valve guide	
	MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS349 - Up		
24	1323214	Valve guide	
	2KS1 - 348		
24	2244441	Valve spring	Inner
	MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS1 - Up		
24	2140586	Valve spring	Outer
	MBL1 - Up, BDL1 - Up, 9NS1 - Up, 1YN1 - Up, 2KS1 - Up		
24	161-1041	Rotator	[7E7977]
24	122-1177	Valve stem seal	Umbrella type, nylon material, oil shield style [7E7978]
	SB1812E-8	Valve seat	Intake: 1.812 OD, 1.530T ID, 1.580 ID top taper, 0.3650 depth, 30 degree [1799454, 1381999]
	SB1711E-1C	Valve insert	Exhaust; 1.416T ID, 1.711 OD, 0.3780 depth (Std size is .0025 larger than OEM svc part) [1799453, 1381997, 1336997, 7W5554]
12	611638	Base injector positionin	
6	1161102-B	Injector sleeve	
OIL / LUBE SYSTEM			
1	5S8543	Bearing oil pump drive	
	7X7975	Set oil pump	
2	617540	Seal oring oil cooler	Oil cooler to filter housing [0617540]
2	1173036	Seal oring oil cooler	Housing to ends
1	1349807	Set oil cooler	
1	1348267	Set oil cooler and lines	
1	1350239	Set oil cooler and lines	
1	1415787	Set oil cooler and lines	
1	1891814	Set oil cooler and lines	
1	1933322	Set oil cooler and lines	
FUEL / INJECTOR			
	INJECTOR	Injector	New or remanufactured available, call for pricing
6	2245797-B	Injector seal kit	External injector seal kit [repl 1933325]
1	1375541-B	Fuel priming pump	
1	1P0436-F	Gasket priming pump	To mount 4W0788 pump
1	1872858	Set fuel system	
1	2172638	Set fuel system	
1	2181801	Set fuel system	
1	2245824	Set fuel system	
1	2245843	Set fuel system	
COOLING SYSTEM			
1	WP1019-PR	Water pump	Remanufactured, Cast-iron housing [1767000, 1538053, 1006944, 0R0705, 0R3709, 0R8767]
1	7C3095	Thermostat	190 degrees [new# 2477133]
1	2477133	Thermostat	208F degree
1	3S9643	Thermostat seal	
1	1282922	Set water pump	

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1	1473781	Set water pump	
1	1933326	Set water pump	
1	2138621	Set water pump	
TURBO / AIR			
	TURBO	TURBOCHARGER	New or remanufactured available, call for pricing
6	1095313	Gasket manifold exhaust	
1	1467294	Set turbo mounting	
1	2172332	Set turbo mounting	
1	2210859	Set turbo mounting	
1	2210860	Set turbo mounting	
1	1P0451	Gasket turbo mtg	Dual throat, turbo to exhaust manifold, 4.25 length x 3.8 width
1	1S4295-F	Gasket turbo mtg	Dual throat, turbo to exhaust manifold, 5.33 length x 3.6 width
1	8H9788	Gasket turbo supply	
1	1886126	Gasket turbo drain	
1	1142687	Seal oring	Turbo oil return line to block adaptor
1	5P8066	Seal	Turbo oil return adaptor to block