

Engine Building Checklist

A checklist for an estimated pricing and building of your own Subaru engine

Short block, Heads, Internals		
<input type="checkbox"/> EJ257 OEM Short block w/ rotating assy.		\$1699.00
<input type="checkbox"/> New/ Used heads		*~\$1000
<input type="checkbox"/> Head machine work		\$200+
<input type="checkbox"/> Engine complete gasket set		\$355
<input type="checkbox"/> OEM Oil Cooler		\$245
<input type="checkbox"/> Gates t-belt kit (Water pump, belt, tensioner, idlers)		\$233
<input type="checkbox"/> Oil pump (10/11/12mm)		~\$190
<input type="checkbox"/> Spark plugs		\$45
<input type="checkbox"/> Oil changes (startup, warm up, 100m) & Filters		~\$80
<input type="checkbox"/> Coolant (8 qts)		\$32
<input type="checkbox"/> Head bolts (measure first!)		\$120
<input type="checkbox"/> Labor rates		~\$1500
*not included in total		Total \$4,454.00
Engine Extras		
<input type="checkbox"/> IAG Stage 2 block (650 BHP rating)		\$2,999
<input type="checkbox"/> Forged Pistons (JE 99.5mm 8:5:1)		\$533 + labor
<input type="checkbox"/> Manley Rods		\$420-830
<input type="checkbox"/> ARP Head bolts		\$216
<input type="checkbox"/> Tomei camshafts stock - 272		\$530-1200
<input type="checkbox"/> Air pump deletes		\$50
<input type="checkbox"/> FU Cam bolts		\$44(Non AVCS- \$36)
<input type="checkbox"/> Larger Valves/ Springs/ Retainers/ Machine work		\$400- \$1200
<input type="checkbox"/> Solid Half moons	<input type="checkbox"/> Killer B pickup	<input type="checkbox"/>
<input type="checkbox"/> Killer B baffle plate	<input type="checkbox"/> Killer B Pan	<input type="checkbox"/>
Intake manifold		
<input type="checkbox"/> Aftermarket intake		
<input type="checkbox"/> TGV deletes		
<input type="checkbox"/> Turbo Inlet		
<input type="checkbox"/> Fuel rails/ Surge tank/ lines		
<input type="checkbox"/> Injectors		
<input type="checkbox"/> Aftermarket EBCS		
<input type="checkbox"/> Misc. sensors (knock, crank, cam, etc...)		
<input type="checkbox"/>	<input type="checkbox"/>	
In the kitchen, might as well cook...		
<input type="checkbox"/> New clutch kit	<input type="checkbox"/> Motor/ Trans mount	<input type="checkbox"/>
<input type="checkbox"/> Flywheel	<input type="checkbox"/> Air/ Oil Separator	<input type="checkbox"/>
<input type="checkbox"/> Crankshaft pulley	<input type="checkbox"/> Radiator hoses	<input type="checkbox"/>
<input type="checkbox"/> New Alt/ AC belts	<input type="checkbox"/> Steering rack/ CV axles	Total _____