

This image shows an exploded view of a 2.0L EcoBoost engine, highlighting its various components. The main engine block is centrally located, with the intake manifold and throttle body assembly positioned above it. The timing chain cover and crankshaft are visible at the bottom, along with the oil pan. The cylinder head and intake manifold are shown in a disassembled state, allowing for a clear view of the internal components and the engine's overall architecture.

COSWORTH

Cosworth Duratec Engine Assemblies

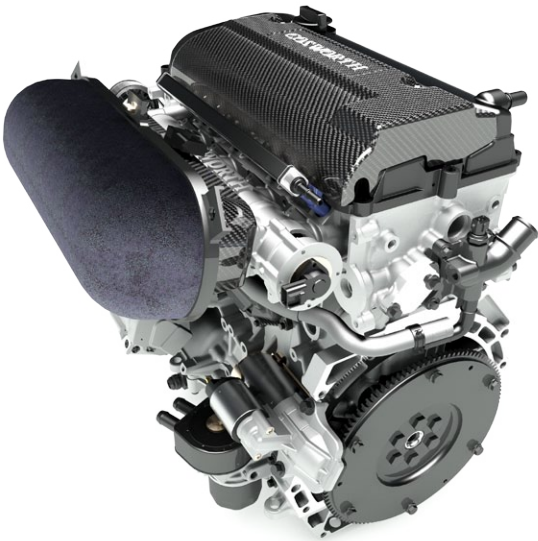
Cosworth YD engine assemblies are perfect for high performance or race applications, and available in several levels of performance. Each long block or full assembly is hand built by one of Cosworth's skilled engine builders and features new parts along with select Cosworth high performance engine components. Each

configuration has been developed upon undergoing hundreds of hours of testing to ensure the best combination of power and reliability.
For engine builders, we offer the standard 2.0L and 2.3L short block assemblies. All Cosworth full engine assemblies are tested and power

verified on our dynamometer before shipping. When purchasing one of our MBE ECU's along with the engine assemblies you will receive the correct base engine calibration pre-loaded into the ECU.

- Built from entirely new parts
 - Cosworth Forged Pistons
 - Cosworth Forged Connecting Rods
 - Cosworth High Performance Bearings
 - Cosworth High Performance Camshafts
 - Cosworth Modified Cylinder Head
- Precision Blue Print assembly
 - Cosworth Barrel Throttle and Air Filter
 - High Flow Fuel Injectors
 - High output Alternator
 - Starter
 - Dry Sump

Cosworth Duratec Engine Assemblies	
Part No.	Description
20001721	2.0L Performance Crate Engine 205BHP
20001722	2.0L Performance Crate Engine 225BHP
20001723	2.0L Performance Crate Engine 255BHP
20001725	2.3L Performance Crate Engine 220BHP
20001726	2.3L Performance Crate Engine 250BHP
20001727	2.3L Performance Crate Engine 280BHP
TBA	2.0L Cosworth built Short Block
TBA	2.3L Cosworth built Short Block



Engine Matrix

<div><div><div></div></div><div>Standard</div><div><div></div></div><div>Option</div><div><div></div></div><div>n/a</div></div>		2,0 Litre			2,3 Litre		
		205 bhp	225 bhp	255 bhp	220 bhp	250 bhp	280 bhp
Description	Part No:	20001721	20001722	20001723	20001725	20001726	20001727
BASE ENGINE							
Ford 2,0 Duratec Short-block Engine - New							
Ford 2,3 Duratec Short-block Engine - New							
CRANKSHAFT/PISTONS/RODS							
2,0 Std Cast Pistons (CR 11:1)							
2,0 Forged Pistons (CR 12:1)							
2,0 Forged Pistons (CR 13:1)							
2,3 Std Cast Pistons (CR 9:1)							
2,3 Forged Pistons (CR 12:1)							
2,3 Forged Pistons (CR 13:1)							
Cosworth Piston Ring Pack							
2,0 Std Cast Connecting Rod Kit (up rated bolts)							
2,0 Forged Connecting Rod Kit							
2,3 Std Cast Connecting Rod Kit (up rated bolts)							
2,3 Forged Connecting Rod Kit							
2,0 Big End bearings (VP2)							
2,3 Big End bearings (VP2)							
2,3 Billet Crankshaft							

		2,0 Litre			2,3 Litre		
		205 bhp	225 bhp	255 bhp	220 bhp	250 bhp	280 bhp
Description	Part No:	20001721	20001722	20001723	20001725	20001726	20001727
FUEL SYSTEM							
High Flow Fuel injectors				•		•	•
Large Capacity Fuel Rail		•	•	•	•	•	•
CYLINDER HEAD/VALVETRAIN							
Cosworth Level 1 Fast Road Camshafts		•			•		
Cosworth Level 2 Race Camshafts			•			•	
Cosworth Ultra Race Camshafts				•			•
Cam Friction Washer		•	•	•	•	•	•
Race Valve spring		•	•			•	
Ultra Race Valve spring				•			•
Cosworth Cylinder Head Assembly		•	•		•	•	
Cosworth Extrude Honed Cylinder Head				•			•
Heavy Duty Head Bolts		○	○	○	○	○	○
LUBRICATION SYSTEM							
Modine Oil Cooler		•	•	•	•	•	•
High Flow Oil Pump		•	•	•	•	•	•
Cosworth 2 Stage Dry Sump		•	•	•	•	•	•
COOLANT SYSTEM							
Cosworth Large Pulley Water Pump		•	•	•	•	•	•
Thermostat (82° C) & Housing		•	•	•	•	•	•
INDUCTION SYSTEM							
Cosworth Roller Barrel Throttle Assembly		•	•	•	•	•	•
Carbon Fibre Airbox, and Foam Air Filter		•	•	•	•	•	•
Throttle Position Sensor		•	•	•	•	•	•
EXHAUST SYSTEM							
Exhaust Gasket		•	•	•	•	•	•
ELECTRICAL SYSTEM							
Starter Motor		•	•	•	•	•	•
Ignition Coil		•	•	•	•	•	•
Spark Plug (Temp 7)		•	•	•	•	•	•
Loom Kit		○	○	○	○	○	○
ECU (flashed with base calibration)		○	○	○	○	○	○
Calibration Interface Kit		○ ¹	○ ¹	○ ¹	○ ¹	○ ¹	○ ¹
AUXILIARY DRIVE							
Lightweight Alternator (40 Amp)		•	•	•	•	•	•
Lightweight Alternator Brackets		•	•	•	•	•	•
Alternator Pulley (64mm)		•	•	•	•	•	•
Accessory Drive Belt (1,295mm)		•	•	•			
Accessory Drive Belt (1,310mm)					•	•	•
MISCELLANEOUS							
Lightweight Flywheel		○	○	○	○	○	○
Clutch		○	○	○	○	○	○
Spigot Bearing		•	•	•	•	•	•
Heavy Duty Flywheel Bolt Set		○	○	○	○	○	○
Engine Lifting Eyes (Pair)		•	•	•	•	•	•
Cosworth Carbon Coil Cover including Fitting Kit		•	•	•	•	•	•
ENGINE ASSEMBLY AND TEST							
Cosworth Assembled		•	•	•	•	•	•
Engine Hot Test		○	○	○	○	○	○
Full Engine Break-in & Performance Test		○	○	○	○	○	○
Dispatch Kit		•	•	•	•	•	•

¹ Includes interface cable and software to alter calibration from a personal computer



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