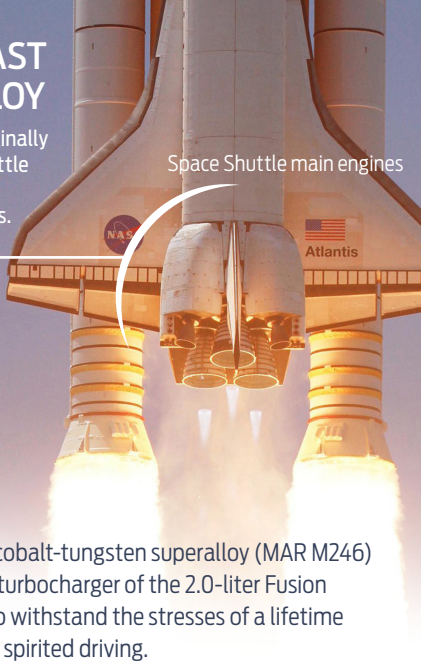
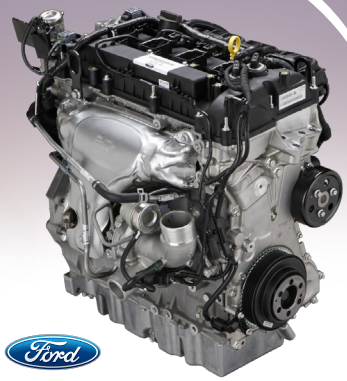
ECOBOOST TURBO IS BUILT TO LAST WITH SPACE SHUTTLE SUPERALLOY

Ford and BorgWarner™ engineers selected a material originally used for the high-pressure turbo pumps in the Space Shuttle main engines to ensure the turbine wheel in the 2.0-liter EcoBoost® engine meets exacting durability requirements.



2.0-liter EcoBoost



The nickel-cobalt-tungsten superalloy (MAR M246) used in the turbocharger of the 2.0-liter Fusion enables it to withstand the stresses of a lifetime of the most spirited driving.

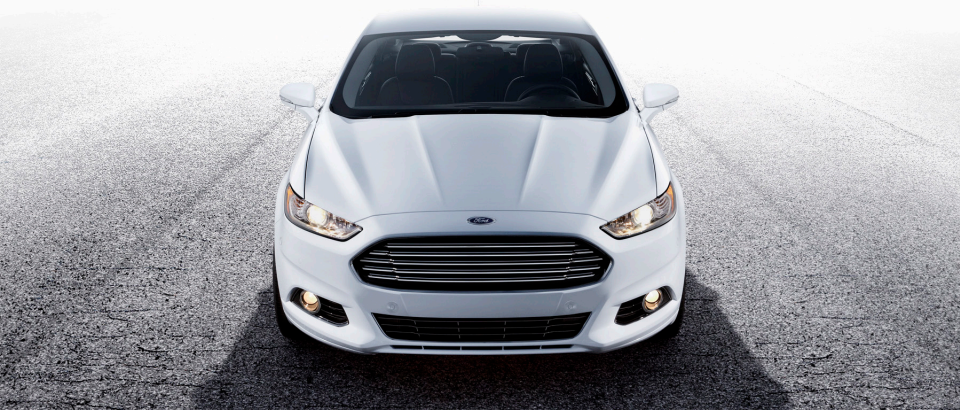
	2.0-liter EcoBoost	Space Shuttle Main Engines
Maximum rpm:	190,000 rpm	28,120 rpm (high-pressure turbo pump)
Maximum thrust:	240 horsepower (252 for Focus ST)	418,000 pounds (about 19.5 million horsepower)
Fuel consumption:	23, 33 mpg[1] (estimated)	350 gallons/second (about 0.0139 mpg at 17,500 mph)
Maximum boost pressure:	14.7 psi	4,400 psi (high-pressure oxidizer turbo pump)
Maximum running time per tank:	467 minutes[2]	8.5 minutes
Maximum speed:	135 mph	17,500 mph

Maximum temperature:

EcoBoost	Shuttle engines
1,050º Celsius	3,315º Celsius

Time to orbit Earth:

EcoBoost[3]	Shuttle engines[4]
355.7 hours	About 90 minutes



[1] Projected fuel economy [2] 70 mph projected 33 mpg [3] 70 mph [4] Approximately 120 miles up