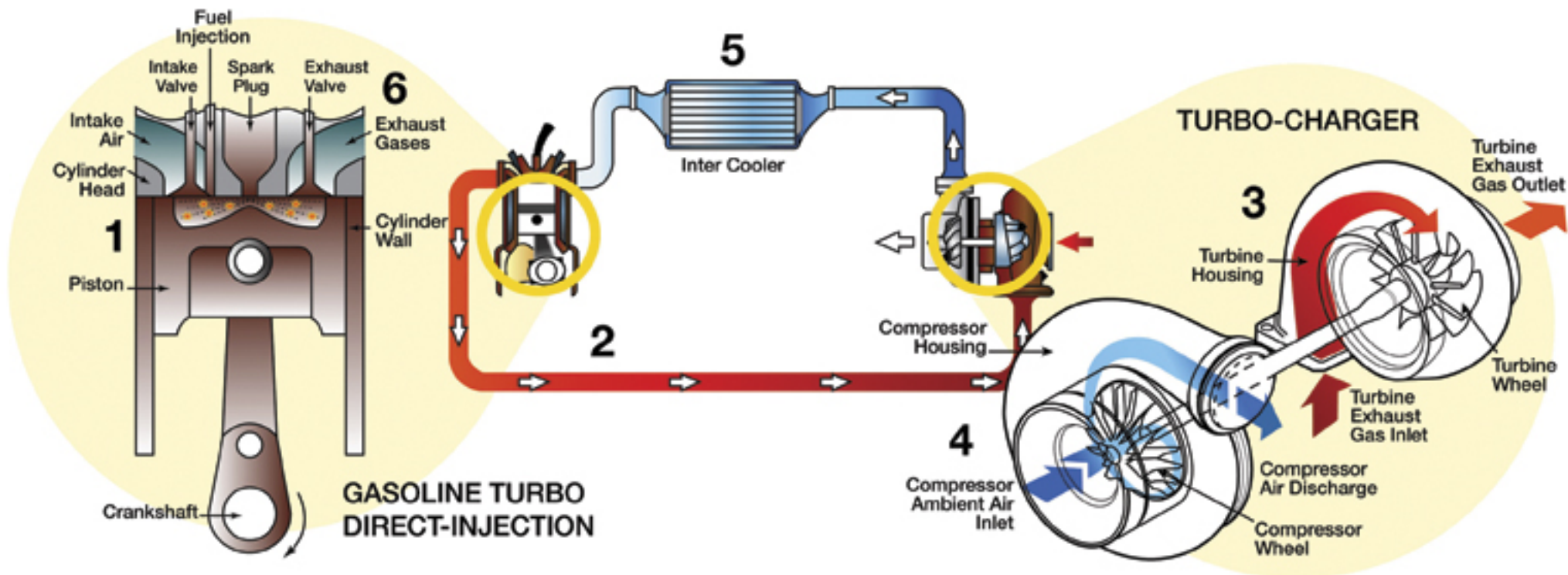


How Ford Motor Company's TwinForce™ Engine Delivers V-8 Power and Performance with V-6 Fuel Economy



Below is how Ford's gasoline, turbocharged, direct-injection system operates:

- 1: A precisely controlled amount of gasoline is directly injected into the engine's cylinders at high pressures.
- 2: Exhaust gas from the engine is routed to a turbocharger.
- 3: The exhaust air drives the turbine, which drives the compressor.
- 4: The compressor then compresses the intake air.
- 5: The compressed intake air is then routed through the inter cooler and to the engine. Cooling the intake air before it reaches the engine improves combustion.
- 6: The air is then forced at high pressure into the engine cylinder mixing with high pressure gasoline. The net result is V-8 performance from a V-6 engine with the benefits of V-6 fuel economy.