

THE HEART OF THE RAPTOR R

THE FORD PERFORMANCE-BUILT SUPERCHARGED V8 UNDER THE HOOD OF THE 2023 F-150® RAPTOR R™ IS DESIGNED TO ACHIEVE NEW LEVELS OF PERFORMANCE AND EXHILARATION FOR A HAIR-RAISING, PULSE-POUNDING OFF-ROAD EXPERIENCE.

ENGINE

FORD PERFORMANCE-BUILT
5.2-LITER SUPERCHARGED V8

HORSEPOWER*

700 HP

TORQUE*

640 LB.-FT.

FINAL ASSEMBLY

DEARBORN ENGINE PLANT,
DEARBORN MI

01

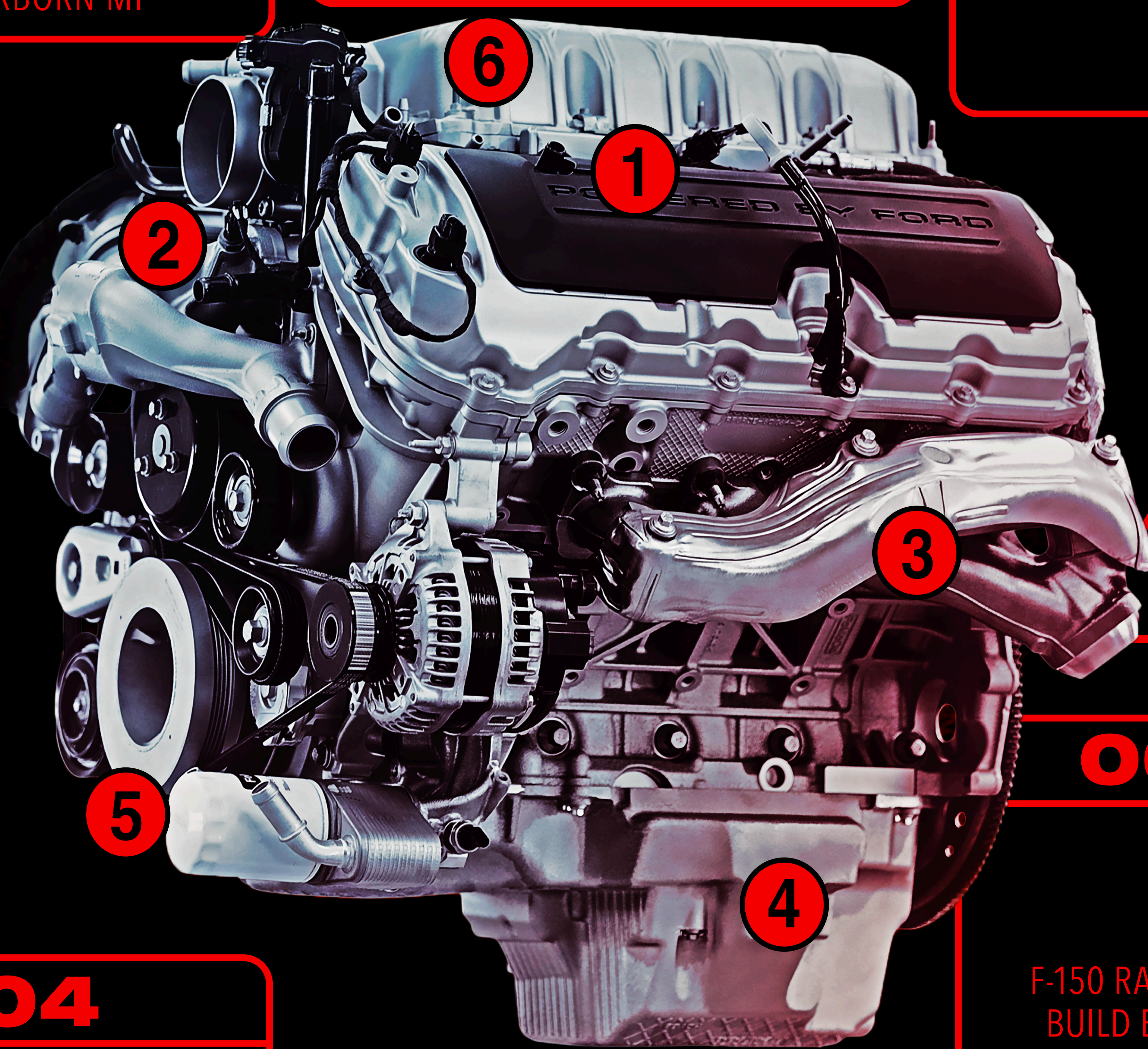
2.65-LITER WATER-COOLED INVERTED
SUPERCHARGER WITH 12-PSI
MAXIMUM BOOST

02

SUPERCHARGER PULLEY RATIOS
OPTIMIZED FOR LOW-RPM
TORQUE CURVE

03

CAST STAINLESS STEEL
EXHAUST HEADERS
TO BALANCE
MAXIMUM EXHAUST
FLOW, WEIGHT
AND STRENGTH



04

LARGE VOLUME CAST
ALUMINUM OIL PAN FOR
IMPROVED OFF-ROAD
SUMP PERFORMANCE

05

F-150 RAPTOR R SPECIFIC CRANKSHAFT
DAMPER FOR REDUCED NVH

06

F-150 RAPTOR R
BUILD BADGE
MOUNTED TO
SUPERCHARGER
HOUSING

DETAILS MAKE THE DIFFERENCE

TWIN DUAL OVERHEAD CAMS WITH
VARIABLE CAM TIMING FOR OPTIMAL
THROTTLE RESPONSIVENESS

FORGED STEEL CROSS-PLANE CRANKSHAFT
AND FORGED ALUMINUM PISTONS
FOR MAXIMUM DURABILITY

LIQUID COOLED INTERCOOLER OFFERS
COMPACT SIZE AND OPTIMAL
THERMAL EFFICIENCY

EXTENSIVE USE OF LIGHTWEIGHT MATERIALS
KEEPS OVERALL WEIGHT WITHIN 100 LBS.
OF THE V6 RAPTOR WITH THE 37-INCH
PERFORMANCE PACKAGE INSTALLED

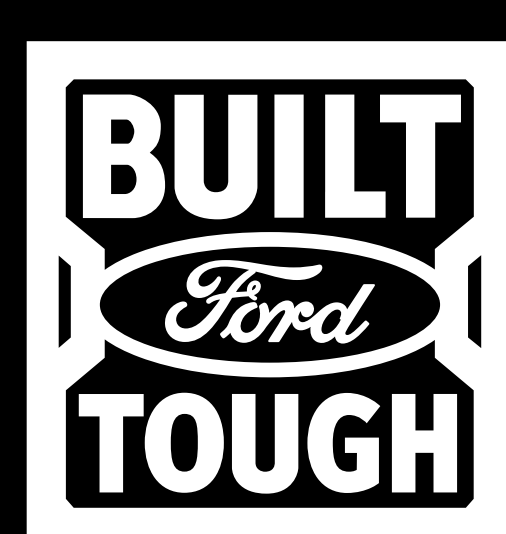
COOLING/INTAKE PERFORMANCE

UNIQUE AIR INTAKE SYSTEM WITH
CONICAL AIR FILTER INCREASES AIR
VOLUME 66% OVER STANDARD RAPTOR

LARGE FRONT COOLING PACK INTAKE
AND LARGE HOOD AIR EXTRACTOR FOR
MAXIMUM POWERTRAIN COOLING

F-150 RAPTOR R-SPECIFIC ENGINE
OIL COOLER AND SUPERCHARGER
INTERCOOLER DESIGNED FOR HARSH
OFF-ROAD ENVIRONMENTS

COMING THIS FALL



| FORD PERFORMANCE

HORSEPOWER AND TORQUE RATINGS BASED ON PREMIUM FUEL PER SAE J1349 STANDARD. YOUR RESULTS MAY VARY.