

# 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

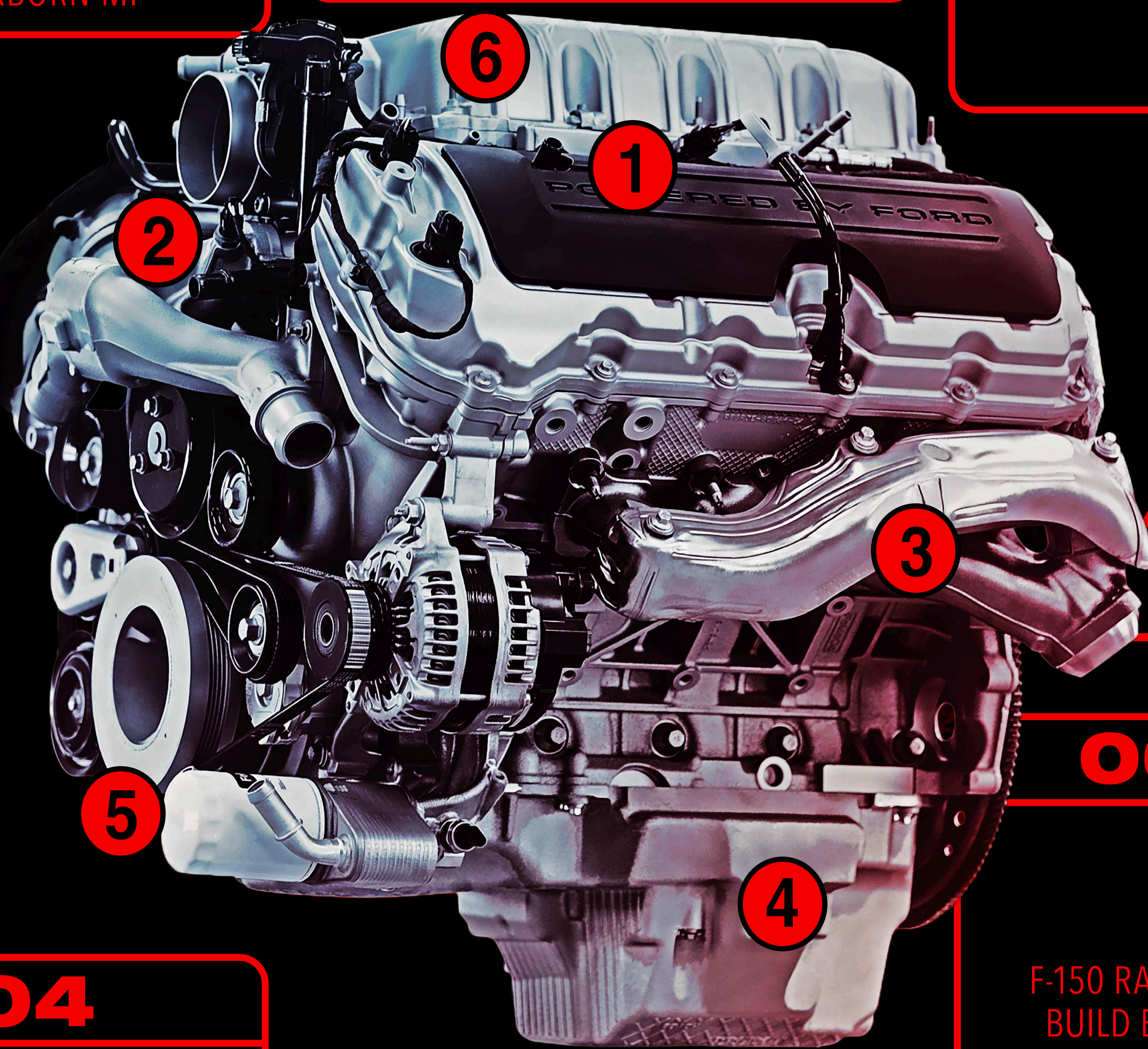
2.65-LITER WATER-COOLED INVERTED  
SUPERCHARGER WITH 12-PSI  
MAXIMUM BOOST

## 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

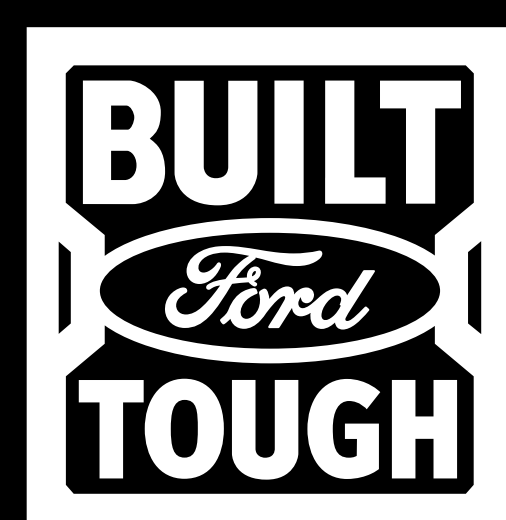
## COOLING/INTAKE PERFORMANCE

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.