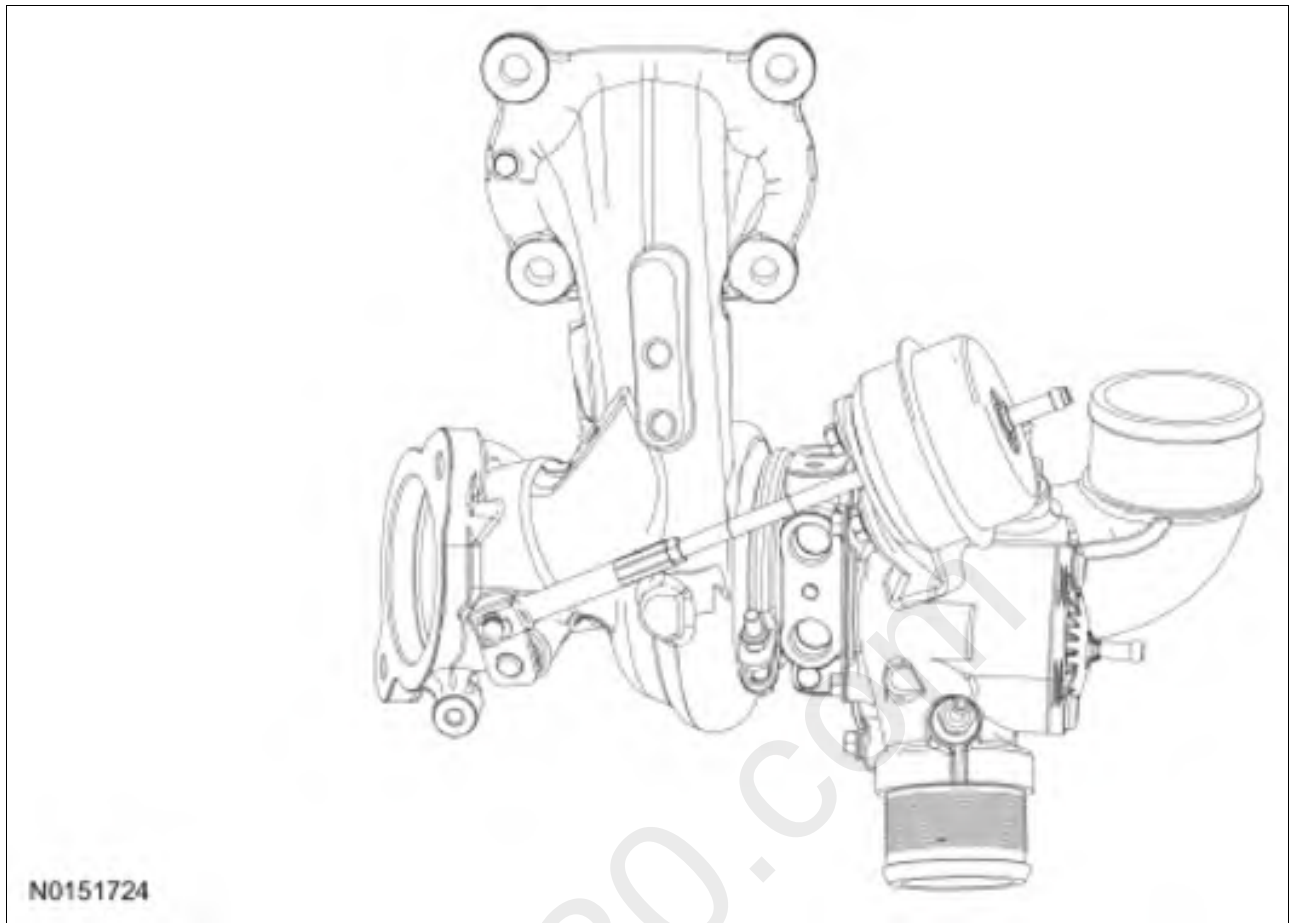


Fig 2: Identifying Turbocharger With Integrated Wastegate And Integrated Bypass Valve



Courtesy of FORD MOTOR CO.

ENGINE CONTROL COMPONENTS > TURBOCHARGER BOOST PRESSURE (TCBP) SENSOR

The TCBP sensor is located in the intake air tube between the turbocharger and the charge air cooler (CAC). The TCBP sensor measures the throttle inlet pressure. The PCM uses the information from the TCBP sensor to refine the estimate of the airflow rate through the throttle and to determine the desired boost pressure. The TCBP sensor may be integrated with a charge air cooler temperature (CACT) sensor.