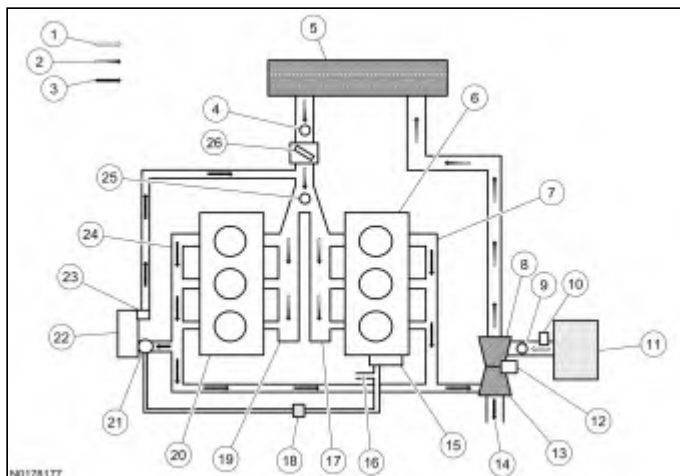


Exhaust Gas Recirculation (EGR) System

The EGR system routes exhaust gases back through the engine to reduce emissions. When the exhaust gases exit the exhaust manifolds they enter the intake manifold through the EGR valve by either first passing through the EGR cooler or bypassing the EGR cooler depending on the position of the EGR cooler bypass valve.

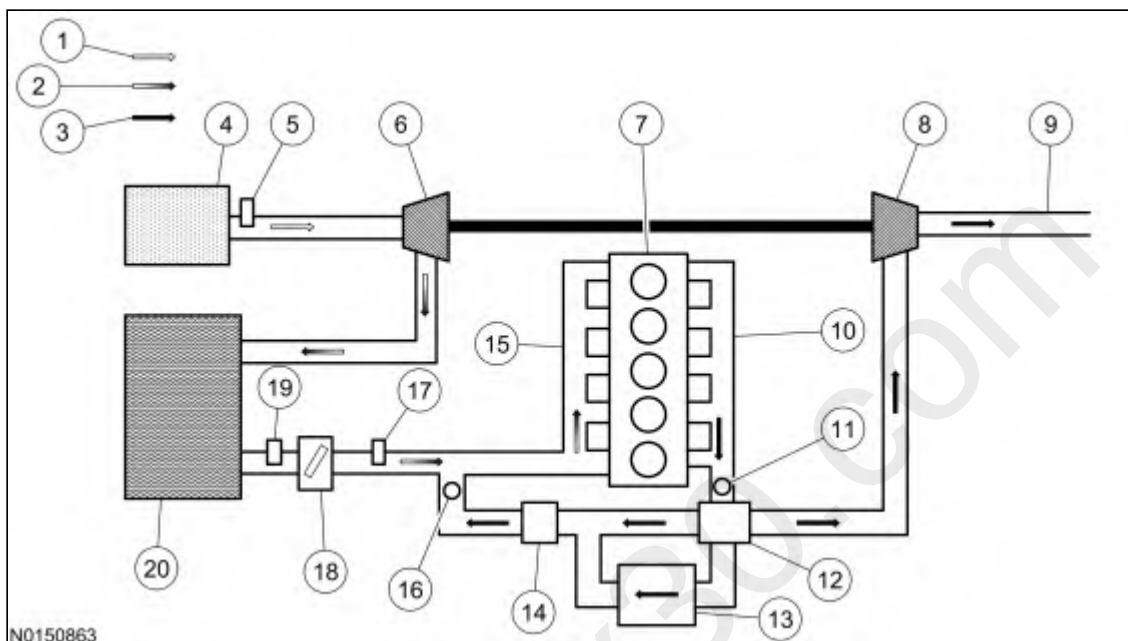
EGR System (F-150)



Item	Number	Description
1	—	Intake Air
2	—	Compressed Air
3	—	Exhaust Air
4	—	Charge Air Cooler Temperature (CACT) Sensor
5	—	Charge Air Cooler (CAC)
6	—	Cylinder Head Bank 1
7	—	Exhaust Manifold Bank 1
8	—	Turbocharger Intake Compressor
9	—	Positive Crankcase Ventilation Heated Fitting (PCVHF)
10	—	Mass Airflow/Intake Air Temperature (MAF/IAT) Sensor
11	—	Air Filter
12	—	Variable Geometry Turbocharger Control (VGTC)
13	—	Turbocharger Exhaust Turbine
14	—	Outlet To Exhaust System
15	—	Vacuum Pump
16	—	Outlet To Vacuum Reservoir
17	—	Intake Manifold Bank 1
18	—	Exhaust Gas Recirculation (EGR) Cooler Bypass Valve Solenoid
19	—	Intake Manifold Bank 2
20	—	Cylinder Head Bank 2
21	—	Exhaust Gas Recirculation (EGR) Cooler Bypass Valve Actuator

22	—	Exhaust Gas Recirculation (EGR) Cooler
23	—	Exhaust Gas Recirculation (EGR) Valve
24	—	Exhaust Manifold Bank 2
25	—	Manifold Absolute Pressure (MAP) Sensor
26	—	Intake Throttle Assembly

EGR System (Transit)

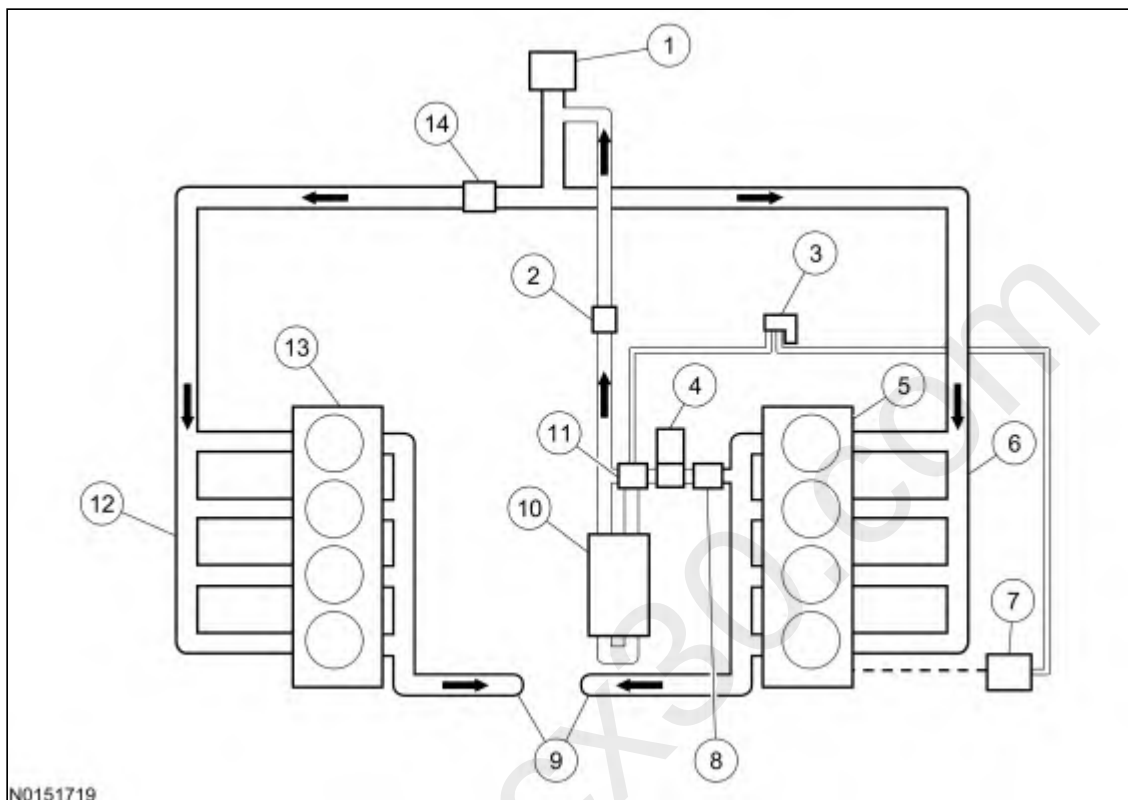


N0150863

Item	Number	Description
1	—	Intake Air
2	—	Compressed Air
3	—	Exhaust Air
4	—	Air Filter
5	—	Mass Airflow/Intake Air Temperature (MAF/IAT) Sensor
6	—	Turbocharger Intake Compressor
7	—	Cylinder Head
8	—	Turbocharger Exhaust Turbine
9	—	Outlet To Exhaust System
10	—	Exhaust Manifold
11	—	Exhaust Gas Recirculation Temperature Bank 1, Sensor 1 (EGRT 11)
12	—	Exhaust Gas Recirculation (EGR) Cooler Bypass Valve
13	—	Exhaust Gas Recirculation (EGR) Cooler
14	—	Exhaust Gas Recirculation (EGR) Valve
15	—	Intake Manifold
16	—	Exhaust Gas Recirculation Temperature Bank 1, Sensor 2 (EGRT 12)

17	—	Manifold Absolute Pressure (MAP) Sensor
18	—	Intake Throttle Assembly
19	—	Charge Air Cooler Temperature (CACT) Sensor
20	—	Charge Air Cooler (CAC)

Typical EGR System (All Others)



N0151719

Item	Number	Description
1	—	Intake Throttle Actuator
2	—	Exhaust Gas Recirculation Temperature Bank 1, Sensor 2 (EGRT12)
3	—	EGR Cooler Bypass Solenoid
4	—	EGR Valve
5	—	Right Cylinder Bank
6	—	Right Intake Manifold And Cylinder Head
7	—	Vacuum Pump
8	—	Exhaust Gas Recirculation Temperature Bank 1, Sensor 1 (EGRT11)
9	—	Exhaust Flow To The Turbocharger
10	—	EGR Cooler
11	—	EGR Cooler Bypass Valve
12	—	Left Intake Manifold And Cylinder Head
13	—	Left Cylinder Bank
14	—	Manifold Absolute Pressure (MAP) Sensor

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