

2021 FORD F-150 POLICE RESPONDER

TECHNICAL SPECIFICATIONS



BODY

Construction/materials	Fully boxed, high-strength steel frame. High-strength, military-grade, aluminum alloy body
Body style	Body on frame, SuperCrew®
Final assembly location	Kansas City Assembly

DRIVETRAIN

Layout	Front engine, electronically-controlled 4x4 with electronic locking rear differential
Transfer Case	Electronic shift on the fly with Flat Tow Mode 2-speed torque on demand with Flat Tow Mode

ENGINE

	3.5-liter EcoBoost® V6
Configuration	Twin-turbocharged and intercooled 60-degree V6, overhead cams
Block/Head material	Aluminum block, aluminum heads
Displacement	3.5 liters (3,497 cubic centimeters, 213.4 cubic inches)
Bore x stroke	3.64 inches x 3.41 inches
Compression ratio	10.5:1
Valvetrain	Roller finger follower
Ignition system	Coil on plug
Recommended fuel	Regular unleaded (minimum 87 unleaded octane)
Fuel delivery	Port fuel injection with direct injection
Engine control system	Electronic
Oil service fill volume/grade	6 quarts with filter (5W-30 SAE GF6)
Coolant capacity	3.6 gallons
Horsepower	400 @ 6,000 rpm
Torque	500 lb.-ft. @ 3,500 rpm

TRANSMISSION

		10-speed automatic
Configuration		Electronically controlled hydraulic 10-speed automatic
Gear Ratios	First	4.696
	Second	2.985
	Third	2.146
	Fourth	1.769
	Fifth	1.520
	Sixth	1.275
	Seventh	1.000
	Eighth	0.854
	Ninth	0.689
	Tenth	0.636
	Reverse	4.866

FORD F-150 POLICE RESPONDER



SUSPENSION

Front configuration	Independent double-wishbone with coil-over shock and stamped lower control arm
Front shock absorber type	Heavy-duty gas-pressurized
Rear configuration	Leaf spring/solid axle
Rear shock absorber type	Heavy-duty gas-pressurized

STEERING

	Electronic Power-Assisted
	Diameter (feet)
Turning circle (curb-to-curb)	47.8

BRAKES

	Police Brake Package
Booster type	Electronically controlled brake boost
Front type	Power anti-lock vented disc
Front rotor/drum diameter/thickness/material	Nitro Tough Iron, 350 mm x 34 mm
Front caliper configuration	2 x 51 mm sliding caliper
Front pad material	PFC64
Front swept area	104,192 mm ²
Rear type	Power anti-lock vented disc
Rear rotor/drum diameter	Nitro Tough Iron, 336 x 20 mm
Rear caliper configuration	1 x 54 mm sliding eIPB
Rear pad material	PFC64
Rear swept area	40,998 mm ²
Parking/Emergency Brake	25kN electronic parking brake

FUEL CAPACITY

3.5-liter EcoBoost	26 gallons
--------------------	------------

EPA-ESTIMATED FUEL ECONOMY

Actual mileage will vary			
	City	Highway	Combined
	18	23	20

STANDARD SAFETY

ABS/Stability control	Four-Wheel Anti-Lock Brakes, AdvanceTrac [®] with Roll Stability Control [™] (RSC [®])
Airbags	Front, driver and passenger Front, driver and passenger seat-mounted side Front, driver and passenger knee Safety Canopy [®] side curtains
Chassis safety	Tire Pressure Monitoring System (TPMS), SOS Post-Crash Alert System [™]

DRIVER-ASSIST TECHNOLOGIES

Standard	Auto Hold, Auto On/Off Headlamps, Hill Start Assist, Rear View Camera with Dynamic Hitch Support, Reverse Sensing System
Available	BlindSpot Information System with Cross-Traffic Alert and Trailer Coverage; Pro Trailer Backup Assist; Trailer Reverse Guidance; Reverse Brake Assist; Pre-Collision Assist with Pedestrian Detection (includes Forward Collision Warning and Automatic Emergency Braking) with unique one-touch temporary disable switch for law enforcement use



FORD F-150 POLICE RESPONDER

LIGHTING

Headlamps	Standard Halogen Quad Beam Headlamp
Taillamps	Standard Halogen Taillamps
Aux	Daytime Running Lamps, Cargo Lamp, Integrated Marker Lights (optional); LED Warning Beacons (4) - Red/Blue, Amber, or Amber/White (optional) Tailgate LED (optional), LED Side-Mirror Spotlights (optional), Halogen fog lamps (optional)

EXTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

Wheelbase	145.4
Overall length	231.7
Cab height	77.2
Width - excluding mirrors	79.9
Width - including standard mirrors	95.7
Width - standard mirrors folded	83.6
Width - including trailer tow mirrors	105.9
Width - trailer tow mirrors folded	85.3
Track width - front	67.9
Track width - rear	68.3
Overhang - front	37.6
Overhang - rear	48.6
Angle of approach	24.3°
Angle of departure	25.3°
Ramp breakover angle	20.0°
Ground clearance	9.4
Open tailgate to ground	34.9
Front bumper to back of cab	155.8

INTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

Seating	5, 6
Front headroom	40.8
Maximum front leg room SAE	43.9
Front shoulder room	66.7
Front hip room	62.5
Rear head room	40.4
Maximum rear leg room SAE	43.6
Rear shoulder room	66.0
Rear hip room	62.6
Passenger volume	131.9 cu. ft.

CARGO CAPACITIES (INCHES UNLESS OTHERWISE NOTED)

Inside length (at floor)	67.1
Width between wheelhouses	51.1
Inside height	21.4
Cargo box volume	52.8 cu. ft.

WHEELS

Standard	18-inch six-spoke Silver aluminum wheels
----------	--

TIRES

Standard	Goodyear LT265/70R18 LRC BSW Wrangler Enforcer A/T tires
----------	--

FORD F-150 POLICE RESPONDER



CAPACITIES (LBS.)

Base curb weight	5,016
Maximum payload	2,030
GVWR	7,050
Maximum Conventional Towing Capability	11,200

TECHNOLOGY

Standard	Wireless software updates, 4-inch productivity screen in instrument cluster, 8-inch center stack touchscreen, selectable drive modes, SYNC [®] 4, wireless phone connection; Fleet Telematics modem
Available	360-Degree Camera with Split-View Display, Fleet Telematics (fleet only); Police Engine Idle

WARRANTY

Bumper-to-bumper	3 years/36,000 miles
Powertrain	5 years/60,000 miles
Aluminum body panels	5 years/unlimited miles
Corrosion - sheetmetal (Perforation only excluding aluminum)	5 years/unlimited miles
Paint adhesion	5 years/unlimited miles
Roadside assistance	5 years/60,000 miles
Powertrain CARE extended service plan (zero deductible)	5 years/100,000 miles

FORD F-150 POLICE RESPONDER

