

FORD F-150

TECHNICAL SPECIFICATIONS



BODY

Construction/materials	Fully boxed, high-strength steel frame. High-strength, military-grade, aluminum alloy body
Body style	Body on frame, Regular Cab, SuperCab, SuperCrew®
Trim levels	XL, XLT, LARIAT, King Ranch®, Platinum, Limited
Final assembly location	Dearborn Truck Plant, Kansas City Assembly

DRIVETRAIN

Layout standard	Front engine, rear wheel drive
Layout optional	Front engine, electronically-controlled 4x4 with open differential rear axle Front engine, electronically-controlled 4x4 with electronic locking rear differential Front engine full hybrid, rear wheel drive Front engine full hybrid, electronically-controlled 4x4 with electronic locking rear differential
Transfer Case (4x4 models)	Electronic Shift on the Fly (XL, XLT, Lariat with Snow Plow) with Flat Tow Mode 2-Speed Torque on Demand (Lariat+) with Flat Tow Mode

ENGINES

	3.3-liter Ti-VCT V6 FFV	2.7-liter EcoBoost® V6	5.0-liter Ti-VCT V8
Configuration	Naturally-aspirated 60-degree V6, overhead cams	Twin-turbocharged and intercooled 60-degree V6, overhead cams	Naturally-aspirated 90-degree V8, overhead cams
Block/Head material	Aluminum block, aluminum heads	Compacted graphite iron block, aluminum heads	Aluminum block, aluminum heads
Displacement	3.3 liters (3,340 cubic centimeters, 203.8 cubic inches)	2.7 liters (2,700 cubic centimeters, 165.0 cubic inches)	5.0 liters (5,038 cubic centimeters, 307.0 cubic inches)
Bore x stroke	3.56 inches x 3.41 inches	3.267 inches x 3.267 inches	3.66 inches x 3.65 inches
Compression ratio	12:1	10:1	12:1
Valvetrain	Direct acting mechanical bucket	Roller finger follower	Roller finger follower
Ignition system	Coil on plug	Coil on plug	Coil on plug
Recommended fuel	Regular unleaded or E85 (minimum 87 unleaded octane)	Regular unleaded (minimum 87 unleaded octane)	Regular unleaded or E85 (minimum 87 unleaded octane)
Fuel delivery	Port fuel injection and direct injection	Port fuel injection and direct injection	Port fuel delivery and direct injection
Engine control system	Electronic	Electronic	Electronic
Oil service fill volume/grade	6 quarts with Filter (5W-20 SAE GF6)	6 quarts with Filter (5W-30 SAE GF6)	7.75 quarts (5W-30 SAE GF6)
Coolant capacity	12 liters	14.3 liters	12.5 liters
SAE Horsepower	TBD	TBD	TBD
SAE Torque	TBD	TBD	TBD

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ENGINES CONTINUED

	3.5-liter EcoBoost® V6	3.0-liter Power Stroke® V6	3.5-liter PowerBoost™ Full Hybrid V6
Configuration	Twin-turbocharged and intercooled 60-degree V6, overhead cams	Turbocharged and intercooled 60-degree V6 diesel	Twin-turbocharged and intercooled 60-degree V6, overhead cams
Block/Head material	Aluminum block, aluminum heads	Compacted graphite iron block, aluminum heads	Aluminum block, aluminum heads
Displacement	3.5 liters (3,497 cubic centimeters, 213.4 cubic inches)	3.0 liters (3,000 cubic centimeters, 183.0 cubic inches)	3.5 liters (3,497 cubic centimeters, 213.4 cubic inches)
Bore x stroke	3.64 inches x 3.41 inches	3.31 inches x 3.54 inches	3.64 inches x 3.41 inches
Compression ratio	10.5:1	16:1	10.5:1
Valvetrain	Roller finger follower	Roller finger follower	Roller finger follower
Ignition system	Coil on plug	Compression	Coil on plug
Recommended fuel	Regular unleaded (minimum 87 unleaded octane)	Ultra low sulfur diesel or up to B20 compatible	Regular unleaded (minimum 87 unleaded octane)
Fuel delivery	Port fuel injection with direct injection	Common rail	Port fuel injection with direct injection
Engine control system	Electronic	Multicore powertrain control module	Electronic
Oil service fill volume/grade	6 quarts with Filter (5W-30 SAE GF6)	6.5 quarts (5W-30 SAE FA4)	6 quarts with Filter (5W-30 SAE GF6)
Coolant capacity	13.5 liters	13 liters	14.5 liters high temp loop, 6.8 liters low temp loop
SAE Horsepower	TBD	TBD	TBD
SAE Torque	TBD	TBD	TBD

TRANSMISSIONS

	10-Speed SelectShift® Automatic	10-Speed Modular Hybrid Transmission
Configuration	Electronically controlled hydraulic 10-speed automatic	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	4.866

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	
	Wheelbase (inches)	Diameter (feet)
Turning circle (curb-to-curb)	122	41.2
	141	46.4
	145	47.8
	157	51.1
	163	52.5



BRAKES

	Standard	Heavy-Duty	Max Trailer Tow/Heavy Payload
Booster type	Electronically controlled brake boost	Electronically controlled brake boost	Electronically controlled brake boost
Front type	Power anti-lock vented disc	Power anti-lock vented disc	Power anti-lock vented disc
Front rotor/drum diameter/thickness/material	Nitro Tough Iron, 350 mm x 34 mm	Nitro Tough Iron, 350 mm x 34 mm	Nitro Tough Iron, 350 mm x 34 mm
Front caliper configuration	2 x 51 mm sliding caliper	2 x 51 mm sliding caliper	2 x 51 mm sliding caliper
Front pad material	FER9213	FER9213	FER9213
Front swept area	51547 mm ²	51547 mm ²	51547 mm ²
Rear type	Power anti-lock vented disc	Power anti-lock vented disc	Power anti-lock vented disc
Rear rotor/drum diameter	Nitro Tough Iron, 336 x 20 mm	Nitro Tough Iron, 336 x 20 mm	Nitro Tough Iron, 350 x 24 mm
Rear caliper configuration	1 x 54 mm sliding eIPB	1 x 54 mm sliding eIPB	1 x 54 mm sliding eIPB
Rear pad material	GA9105	GA9105	GA9105
Rear swept area	40998 mm ²	40998 mm ²	42997 mm ²
Parking/Emergency Brake	18.5 kN electronic parking brake	25.5 kN electronic parking brake	25.5 kN electronic parking brake

FUEL CAPACITY

Engine	Fuel tank capacity, gallons (dependent on cab and box configuration)
3.3-liter Ti-VCT	23 gallons, 26 gallons, 36 gallons*
2.7-liter EcoBoost	23 gallons, 26 gallons, 36 gallons*
3.5-liter EcoBoost	23 gallons, 26 gallons, 36 gallons*
5.0-liter V8	23 gallons, 26 gallons, 36 gallons*
3.0-liter Power Stroke	26 gallons
3.5-liter PowerBoost™	30.6 gallons

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™

FORD CO-PILOT360™ TECHNOLOGIES

Standard	Auto Hold, Auto On/Off Headlamps, AutoBeam Headlamps, Forward Collision Warning and Dynamic Brake Support, Hill Start Assist, Pre-Collision Assist with Automatic Emergency Braking (with Pedestrian Detection), Rear View Camera with Dynamic Hitch Support
Available	Active Drive Assist Prep Kit, Active Park Assist 2.0, Blind Spot Information System with Cross-Traffic Alert and Trailer Coverage, Distance Alert/Distance Indication, Evasive Steering Assist, Forward and Reverse Sensing Systems, Intelligent Adaptive Cruise Control (with Stop-and-Go, Lane Centering and Speed Sign Recognition), Intersection Assist, Lane Keeping System, Post-Collision Braking, Pro Trailer Backup Assist, Trailer Reverse Guidance, Reverse Brake Assist

LIGHTING

Headlamps	Standard Halogen Quad Beam Headlamp. Optional LED Quad Beam Headlamp with Daytime Running Lamp, or optional Adaptive LED Projector with Automatic Leveling and Dynamic Bending and Daytime Running Lamp
Taillamps	Standard Halogen Taillamps, LED Taillamps optional
Aux	Daytime Running Lamps, Cargo Lamp, Integrated Marker Lights (optional), Tailgate LED (optional), LED Side-Mirror Spotlights (optional), LED cargo box lights (optional), Halogen or LED fog lamps (optional)

*Not available with 122" WB.

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EXTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

REGULAR CAB	5.5-ft. Styleside		6.5-ft. Styleside		8.0-ft. Styleside	
	4x2	4x4	4x2	4x4	4x2	4x4
Wheelbase	NA	NA	122.8	122.8	141.5	141.5
Overall length	NA	NA	209.1	209.1	227.7	227.7
Cab height	NA	NA	75.6	77	75.2	77
Width - Excluding mirrors	NA	NA	79.9	79.9	79.9	79.9
Width - Including standard mirrors	NA	NA	95.7	95.7	95.7	95.7
Width - Standard Mirrors folded	NA	NA	83.6	83.6	83.6	83.6
Width - Including trailer tow mirrors	NA	NA	105.9	105.9	105.9	105.9
Width - Trailer tow mirrors folded	NA	NA	85.3	85.3	85.3	85.3
Track width - Front	NA	NA	67.9	67.9	67.9	67.9
Track width - Rear	NA	NA	68.3	68.3	68.3	68.3
Overhang - Front	NA	NA	37.6	37.6	37.6	37.6
Overhang - Rear	NA	NA	48.6	48.6	48.6	48.6
Angle of approach	NA	NA	21.7°	23.9°	21°	24.6°
Angle of departure	NA	NA	23.9°	26.2	23.9°	26.1°
Ramp breakover angle	NA	NA	20.8°	23.5°	18.3°	21°
Ground clearance	NA	NA	8.7	9.4	8.3	9.4
Open tailgate to ground	NA	NA	33.9	35.7	33.9	35.6
Front bumper to back of cab	NA	NA	121.4	121.4	121.4	121.4

SUPERCAB	5.5-ft. Styleside		6.5-ft. Styleside		8.0-ft. Styleside	
	4x2	4x4	4x2	4x4	4x2	4x4
Wheelbase	NA	NA	145.4	145.4	164.1	164.1
Overall length	NA	NA	231.7	231.7	250.3	250.3
Cab height	NA	NA	75.5	77.2	75.6	77.1
Width - Excluding mirrors	NA	NA	79.9	79.9	79.9	79.9
Width - Including standard mirrors	NA	NA	95.7	95.7	95.7	95.7
Width - Standard Mirrors folded	NA	NA	83.6	83.6	83.6	83.6
Width - Including trailer tow mirrors	NA	NA	105.9	105.9	105.9	105.9
Width - Trailer tow mirrors folded	NA	NA	85.3	85.3	85.3	85.3
Track width - Front	NA	NA	67.9	67.9	67.9	67.9
Track width - Rear	NA	NA	68.3	68.3	68.3	68.3
Overhang - Front	NA	NA	37.6	37.6	37.6	37.6
Overhang - Rear	NA	NA	48.6	48.6	48.6	48.6
Angle of approach	NA	NA	21.5°	24.6°	21.2°	24.9°
Angle of departure	NA	NA	23.2°	25.4°	23.9°	25.6°
Ramp breakover angle	NA	NA	17.6°	20.2°	16°	18.2°
Ground clearance	NA	NA	8.4	9.4	8.2	8.7
Open tailgate to ground	NA	NA	33.1	35.0	33.8	35.2
Front bumper to back of cab	NA	NA	144.0	144.0	144.0	144.0



EXTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

SUPERCREW®	5.5-ft. Styleside		6.5-ft. Styleside		8.0-ft. Styleside	
	4x2	4x4	4x2	4x4	4x2	4x4
Wheelbase	145.4	145.4	157.2	157.2	NA	NA
Overall length	231.7	231.7	243.5	243.5	NA	NA
Cab height	75.6	77.2	75.8	77.6	NA	NA
Width - Excluding mirrors	79.9	79.9	79.9	79.9	NA	NA
Width - Including standard mirrors	95.7	95.7	95.7	95.7	NA	NA
Width - Standard Mirrors folded	83.6	83.6	83.6	83.6	NA	NA
Width - Including trailer tow mirrors	105.9	105.9	105.9	105.9	NA	NA
Width - Trailer tow mirrors folded	85.3	85.3	85.3	85.3	NA	NA
Track width - Front	67.9	67.9	67.9	67.9	NA	NA
Track width - Rear	68.3	68.3	68.3	68.3	NA	NA
Overhang - Front	37.6	37.6	37.6	37.6	NA	NA
Overhang - Rear	48.6	48.6	48.6	48.6	NA	NA
Angle of approach	21.8°	24.3°	21.0°	24.0°	NA	NA
Angle of departure	22.9°	25.3°	23.9°	26.3°	NA	NA
Ramp breakover angle	17.6°	20.0°	16.6°	19.0°	NA	NA
Ground clearance	8.5	9.4	8.2	8.8	NA	NA
Open tailgate to ground	32.9	34.9	33.8	35.8	NA	NA
Front bumper to back of cab	155.8	155.8	155.8	155.8	NA	NA

INTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

	Regular Cab	SuperCab	SuperCrew
Seating	3	5, 6	5, 6
Front headroom	40.8	40.8	40.8
Front leg room SAE ("max" is currently listed)	43.9	43.9	43.9
Front shoulder room	66.7	66.7	66.7
Front hip room	62.5	62.5	62.5
Rear head room	N/A	40.3	40.4
Rear leg room SAE ("max" is currently listed)	N/A	33.5	43.6
Rear shoulder room	N/A	66.1	66.0
Rear hip room	N/A	62.6	62.6

CARGO CAPACITIES (INCHES UNLESS OTHERWISE NOTED)

	5.5-ft. Styleside	6.5-ft. Styleside	8.0-ft. Styleside
Inside Length (at floor)	67.1	78.9	97.6
Width between wheelhouses	51.1	51.1	51.1
Inside Height	21.4	21.4	21.4
Cargo box volume	52.8 cu. ft.	62.3 cu. ft.	77.4 cu. ft.



WHEELS

Standard	17-inch silver-painted steel wheels
	17-inch silver-painted aluminum alloy wheels
	18-inch machined-aluminum alloy wheels with magnetic pockets
	18-inch machined-aluminum alloy wheels with ebony black pockets
	18-inch silver-painted aluminum alloy wheels
	18-inch aluminum alloy chrome-like PVD wheels
Optional	20-inch aluminum alloy chrome-like PVD wheels
	20-inch aluminum alloy premium painted tarnished dark wheels
	20-inch machined-aluminum alloy wheels with magnetic pockets
	20-inch machined-aluminum alloy wheels with light caribou-painted pockets
	20-inch polished-aluminum alloy wheels
	22-inch polished-aluminum alloy wheels

MAXIMUM PAYLOAD (LBS.) – TBD

MAXIMUM CONVENTIONAL TOWING CAPABILITIES (LBS.) – TBD

TECHNOLOGY

Standard	Over-the-air-updates, FordPass Connect™ (with remote lock/unlock, vehicle status check, schedule remote start times, Trailer Theft Alert, Trailer Light Check and other truck features), 4-inch productivity screen in instrument cluster, 8-inch center stack touchscreen, selectable drive modes, SYNC® 4, wireless phone connection
Available	2.0kW Pro Power Onboard, 2.4kW Pro Power Onboard, 7.2kW Pro Power Onboard, 12-inch center touchscreen, Voice-Activated Touchscreen Navigation System with Pinch-to-Zoom Capability, 8-inch productivity screen in instrument cluster, 12-inch productivity screen, 360-Degree Camera with Split-View Display, Intelligent Access with push-button start, 8-speaker B&O Sound System by Bang & Olufsen with HD Radio™, 18-speaker B&O Sound System Unleashed by Bang & Olufsen with HD Radio™, Sirius XM 360L, 4G LTE with WiFi® hotspot, extended power running boards with kick switch, Remote Start System, MyKey®, SecuriCode™ keyless entry keypad, rain sensing wipers, Fleet Telematics (fleet only)

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
Diesel Engine	6 years/100,000 miles

