

## 2019 FORD F-150

# TECHNICAL SPECIFICATIONS



### BODY

Construction/materials	High strength steel frame, aluminum cabin and bed
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 Front engine, electronically-controlled 4x4 with limited slip differential

### ENGINES

	3.3L TI-VCT V6 FFV	2.7L EcoBoost V6	5.0L
Configuration	Naturally-aspirated V6, overhead cams	Twin-turbocharged and intercooled V6, overhead cams	Naturally-aspirated V8, overhead cams
Block/Head material	Aluminum block, aluminum heads	Compacted graphite iron block, aluminum heads	Aluminum block, aluminum heads
Displacement	3.3 liters (204 cubic inches)	2.7 liters (164 cubic inches)	5.0 liters (307 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	10.3:1	12:1
Valvetrain	Direct acting mechanical bucket	Roller finger follower	Direct acting mechanical bucket
Ignition system	Coil on plug	Coil on plug	Coil on plug
Recommended fuel	Regular unleaded or E85	Regular unleaded	Regular unleaded or E85
Fuel delivery	Port fuel injection and direct injection	Port fuel injection and direct injection	Port fuel delivery and direct injection
Engine control system	Multicore powertrain control module	Electronic	Electronic
Oil capacity/grade	6 quarts	6 quarts	8.85 quarts
Coolant capacity	12.86 liters	14.3 liters	13.2 liters
SAE Horsepower	290 hp @6,500 rpm	325 hp @5,000 rpm	395 hp @5,750 rpm
SAE Torque	265 lb.-ft. @4,000 rpm	400 lb.-ft. @2,750 rpm	400 lb.-ft. @4,500 rpm

	3.5L EcoBoost V6	3.0L Power Stroke®	High Output 3.5L EcoBoost V6
Configuration	Twin-turbocharged and intercooled V6, overhead cams	Single turbocharged and intercooled V6 diesel	Twin-turbocharged and intercooled V6, overhead cams
Block/Head material	Aluminum block, aluminum heads	Compacted graphite iron block, aluminum heads	Aluminum block, aluminum heads
Displacement	3.5 liters (213 cubic inches)	3.0 liters (182.5 cubic inches)	3.5 liters (213 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	10.0:1
Valvetrain	Roller finger follower	Roller finger follower	Roller finger follower
Ignition system	Coil on plug	Compression	Coil on plug
Recommended fuel	Regular unleaded	Ultra low sulfur diesel or up to B20 compatible	Premium unleaded
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 capacity/grade	6 quarts	6.5 quarts	6 quarts
Coolant capacity	14.35 liters	13 liters	14.35 liters
SAE Horsepower	375 hp @5,000 rpm	250 hp @3,250 rpm	450 hp @5,000 rpm
SAE Torque	470 lb.-ft. @3,500 rpm	440 lb.-ft. @1,750 rpm	510 lb.-ft. @3,500 rpm

## TRANSMISSIONS

		10-Speed SelectShift® Automatic	6-Speed SelectShift® Automatic
Configuration		Electronically controlled hydraulic 10 speed automatic	Electronically controlled hydraulic 6-speed automatic
Gear Ratios	First	4.696	4.171
	Second	2.985	2.344
	Third	2.146	1.521
	Fourth	1.769	1.143
	Fifth	1.520	0.867
	Sixth	1.275	0.691
	Seventh	1.000	—
	Eighth	0.854	—
	Ninth	0.689	—
	Tenth	0.636	—
	Reverse	4.866	3.403

## 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

Electric Power-Assisted

## BRAKES

Front Type	Power anti-lock vented disc
Front rotor/drum diameter/thickness/material	350 mm x 34 mm, Iron
Front caliper configuration	2 x 54mm Sliding Caliper
Front pad material	FER9
Front Swept area	51547.25 mm <sup>2</sup>
Rear type	Power anti-lock vented disc
Rear rotor	336mm x 24, Iron, (8.8 axle less 5.0-liter Ti-VCT V8) 347 mm x 24, Iron (9.75, 8.8 axle w/5.0-liter Ti-VCT V8)
Rear caliper configuration	1X54 Sliding eIPB
Rear pad material	GA9101s
Rear swept area	40997.78mm <sup>2</sup> (all configurations)
Parking/Emergency Brake	Electronic parking brake

## FUEL CAPACITY

	Regular Cab	SuperCab	SuperCrew®
Standard Range	23 gallons	23 gallons	26 gallons
Extended Range	36 gallons*	36 gallons	36 gallons

## SAFETY/CONTROL SYSTEMS

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 Safety Canopy® side curtains
Chassis safety	Tire Pressure Monitoring System (TPMS), SOS Post-Crash Alert System™
Active driver assist	Curve Control, Lane-Keeping System, Lane Departure Warning, Adaptive Cruise Control with Stop-and-Go, BLIS® (Blind Spot Information System) with Cross-Traffic Alert and Trailer Tow Monitoring

\*Not available with 122" WB.



## 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	145.0	145.0	156.8	156.8	NA	NA
Overall length	231.9	231.9	243.7	243.7	NA	NA
Cab height	75.6	77.2	75.7	77.3	NA	NA
Width - Excluding mirrors	79.9	79.9	79.9	79.9	NA	NA
Width - Including standard mirrors	96.8	96.8	96.8	96.8	NA	NA
Width - Standard Mirrors folded	83.5	83.5	83.5	83.5	NA	NA
Width - Including trailer tow mirrors	105.9	105.9	105.9	105.9	NA	NA
Width - Trailer tow mirrors folded	85.5	85.5	85.5	85.5	NA	NA
Track width - Front	67.6	67.6	67.6	67.6	NA	NA
Track width - Rear	67.6	67.6	67.6	67.6	NA	NA
Overhang - Front	37.8	37.8	37.8	37.8	NA	NA
Overhang - Rear	49.1	49.1	49.1	49.1	NA	NA
Angle of approach	24.1°	25.5°	23.8°	25.5°	NA	NA
Angle of departure	23.8°	26.0°	24.5°	26.4°	NA	NA
Ramp breakover angle	18.3°	21.0°	17.2°	19.7°	NA	NA
Ground clearance	8.5	9.4	8.4	9.3	NA	NA
Open tailgate to ground	34.0	35.7	34.6	36.1	NA	NA
Front bumper to back of cab	155.9	155.9	155.9	155.9	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	65.8	65.9
Rear hip room	N/A	64.7	64.7

## 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	50.6	50.6	50.6
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 Wheels
	18-inch Machined-Aluminum Wheels with Flash Gray Pockets and Caribou King Ranch® Logo Ornaments
	18-inch Chrome-Like PVD Wheels
	18-inch Machined-Aluminum Wheels with Flash Gray Pockets
	18-inch silver aluminum HD payload pkg wheel
	18-inch Six-Spoke Machined-Aluminum Wheels with Magnetic-Painted Pockets
	20-inch Chrome-Like PVD Wheels
	20-inch Six-Spoke Premium Painted Aluminum Wheels
	20-inch Unique Premium Tarnished Dark Painted wheels
Optional	20-inch Chrome-Like PVD Wheels with Caribou King Ranch® Logo Ornaments
	20-inch Machined-Aluminum Wheels with Light Caribou-Painted Pockets and Caribou Color King Ranch® Logo Ornaments
	20-inch Machined Aluminum with flash gray painted pockets
	20-inch Polished Aluminum Wheels
	22-inch Polished Aluminum Wheels

## MAXIMUM PAYLOAD (LBS.)

SUPERCREW®	GVWR (lbs.)	145.0" WB		156.8" WB	
		4x2	4x4	4x2	4x4
2.7L EcoBoost® V6	6,360	1,710	–	–	–
2.7L EcoBoost V6	6,500	–	–	1,820	–
2.7L EcoBoost V6	6,600	–	1,690	–	–
2.7L EcoBoost V6	6,650	1,940*	–	–	–
2.7L EcoBoost V6	6,800	–	–	2,060*	–
2.7L EcoBoost V6	6,900	–	1,950*	–	–
3.3L Ti-VCT V6	6,280	1,700	–	–	–
3.3L Ti-VCT V6	6,500	–	1,680	–	–
3.5L EcoBoost V6	6,750	2,040	–	–	–
3.5L EcoBoost V6	7,000	–	2,030	2,240	–
3.5L EcoBoost V6	7,050	–	–	–	2,030
3.5L EcoBoost V6	7,600	–	–	2,630**	2,390**
3.5L EcoBoost V6	7,850	–	–	2,870**	2,620**
5.0L Ti-VCT V8	6,800	2,140	–	–	–
5.0L Ti-VCT V8	6,950	–	–	2,260	–
5.0L Ti-VCT V8	7,000	–	2,080	–	–
5.0L Ti-VCT V8	7,050	–	–	–	2,080
5.0L Ti-VCT V8	7,600	–	–	2,660**	2,410**
5.0L Ti-VCT V8	7,850	–	–	2,890**	2,640**
3.0L Power Stroke® V6	7,050	1,900	1,720	1,860	–
3.0L Power Stroke V6	7,100	–	–	–	1,720

## TECHNOLOGY

**Available on-road** AdvanceTrac® with Roll Stability Control™, Blind Spot Information System with Trailer Coverage, Curve Control, Lane-Keeping System, Adaptive Cruise Control, Pre-Collision Assist, In Cabin: 8" Productivity Screen, SiriusXM Satellite Radio, B&O PLAY premium audio system with single-CD and HD Radio™, SYNC® 3, SYNC® Connect with WiFi® hotspot, Voice-activated Navigation with SiriusXM Traffic and Travel Link®, 360-Degree Camera with Split-View Display

**General** Intelligent Access with push-button start, Remote Starter System, LED headlamps, LED tail lamps, Securicode™ rain sensing wipers, MyKey®, Rear View Camera with Dynamic Hitch Assist, Pro Trailer Backup Assist, SOS Post-Crash Alert System™

## 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

\*Requires 2.7L EcoBoost® V6 Payload Package.

\*\*Requires Heavy Duty Payload Package with 18" wheels.

# FORD F-150



## MAXIMUM CONVENTIONAL TOWING CAPABILITIES (LBS.)

SUPERCREW®	Axle Ratio	GVWR (lbs.)	145.0" WB		156.8" WB	
			4x2	4x4	4x2	4x4
2.7L EcoBoost® V6	3.55	12,700	7,700	-	7,600	-
2.7L EcoBoost V6	3.55	12,900	-	7,600	-	-
2.7L EcoBoost V6	3.73	13,300	8,200	8,000	8,200	-
3.3L Ti-VCT V6	3.55	9,900	5,000	-	-	-
3.3L Ti-VCT V6	3.73	12,300	7,400	-	-	-
3.3L Ti-VCT V6	3.73	12,600	-	7,400	-	-
3.5L EcoBoost V6	3.15	15,800	10,600	-	-	-
3.5L EcoBoost V6	3.15	15,900	-	-	10,700	-
3.5L EcoBoost V6	3.31	16,100	-	10,700	-	-
3.5L EcoBoost V6	3.55	16,100	-	-	-	10,700
3.5L EcoBoost V6	3.55	18,400	-	-	-	13,000
3.5L EcoBoost V6	3.55	17,900	12,700	-	-	-
3.5L EcoBoost V6	3.55	18,100	-	12,700	-	-
3.5L EcoBoost V6	3.55	18,400	-	-	13,200	-
5.0L Ti-VCT V8	3.15/3.31	14,200	9,200	-	9,100	-
5.0L Ti-VCT V8	3.31	14,300	-	9,000	-	-
5.0L Ti-VCT V8	3.55	14,400	-	9,100	-	-
5.0L Ti-VCT V8	3.55	14,500	-	-	-	9,100
5.0L Ti-VCT V8	3.55	15,200	10,200	-	10,100	-
5.0L Ti-VCT V8	3.73	16,200	-	10,900	-	-
5.0L Ti-VCT V8	3.73	16,900	-	-	-	11,600
3.0L Power Stroke® V6	3.31	15,800	10,200	-	10,100	-
3.0L Power Stroke V6	3.31/3.55	16,000	-	10,100	-	-
3.0L Power Stroke V6	3.31/3.55	16,100	-	-	-	10,100
3.0L Power Stroke V6	3.55	17,100	11,100	10,700	11,400	11,000

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