



SPECIFICATION DOCUMENT

PROGRAM: FORD F-150 BY MIL-SPEC AUTOMOTIVE

YEAR: 2020

F-150







**Mil-Spec Automotive** creates re-envisioned vehicles that encompass *the new era of adventure* through exclusive utility and performance. We offer a *distinct aesthetic* that sets our work apart from the competition.

Our team focuses on integrating *relevant technology* and products into a package that *improves on proven platforms*.



**CHRIS VAN SCYOC**

President  
& Co-Founder

**ADAM MITCHELL**

Chief Executive Officer  
& Founder

**IAN BROEKMAN**

Chief Innovation Officer  
& Co-Founder





INTRODUCING

# The Ford F-150 by Mil-Spec Automotive

Our newest program combines the tried and true capabilities of the Ford F-150 with the added power and refined design sensibility of an MSA vehicle. The result? An American classic, re-imagined.

**FEATURING:**

MSA Design Works Exterior Treatment

500 HP 5.0L V8 Power Package


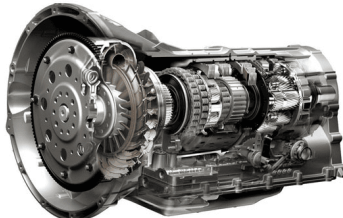
Optional Long Travel Baja Suspension

# Components & Features





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<b>TRANSFER CASE</b>  4x4 Shift On The Fly 2H-4H-4L	<b>FRAME</b>  Fully-Boxed, High-Strength Steel Frame	<b>ENGINE</b>  500 hp  Improved Throttle Response Programming  High-Flow Performance Throttle Body  Oversized, High Flow Performance Cold Air Intake With Filter			<b>ELECTRICAL</b>  Paddle Shifters  High Intensity Led Headlights  LED Tail Lights With Bliss  LED Front Grille Marker Lights  Off Road LED Lighting Compatible
<b>STEERING</b>  Electric Power-Assisted Steering	<b>AXLES</b>  Upgraded, Extended-Length Front Axle Halfshafts	<b>TRANSMISSION</b>  Magnesium Paddle Shifters With Sport/Manual Mode			
<b>EMISSIONS</b>  50 State Legal Factory Emissions System	<b>EXHAUST SYSTEM</b>  High-Flow, Dual Center Exit Performance Cat-Back Exhaust System				
<b>WHEELS</b>  Black Rhino Arsenal Alloy Wheels 20 X 9.56 in  <i>*5 Total Including Spare Tire With Carrier</i>	<b>TIRES</b>  Nitto Ridge Grappler Tires 37 X 13.5 in  <i>*5 Total Including Spare Tire With Carrier</i>	<b>FUEL CAPACITY</b>  26 Gallons  <i>*36 Gallons Optional</i>  <b>FUEL TYPE</b>  91 Octane	<b>BRAKES</b>  Four-Wheel Anti-Lock Brakes  Pre-Collision Assist With Automatic Emergency Braking	<b>DRIVE TRAIN</b>  Electronically Locking Rear Differential  3.73 Final Drive Ratio	

# Technical Specifications





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	IMPERIAL	METRIC		IMPERIAL	METRIC
<b>TOP SPEED</b> <i>Limited</i>	110 mph	177 kph	<b>CURB WEIGHT</b> <i>Varies W Configuration</i>	5,697 lb	2584.1 kg
<b>0-60 MPH</b>			<b>PAYLOAD</b> <i>Varies W Configuration</i>	2,080 lb	943.5 kg
ACCELERATION	5.7 sec		<b>MAX TOW LOAD</b> <i>Varies W Configuration</i>	10,900 lb	4,944.2 kg
BRAKING	TBA		<b>GROUND CLEARANCE</b>	13 in	40.64 cm
<b>RANGE</b>	TBA	TBA	<b>BREAK-OVER ANGLE</b>	23°	
<b>MAX LENGTH</b>	231.9 in	589 cm	<b>APPROACH ANGLE</b> <i>Varies W Configuration</i>	35°	
<b>MAX HEIGHT</b> <i>WO / W Roof Rack</i>	79.3 / 84.8 in	201.4 / 215.4 cm	<b>DEPARTURE ANGLE</b> <i>Varies W Configuration</i>	27°	
<b>MAX WIDTH</b> <i>Mirrors Closed / Open</i>	93.4 / 96.8 in	237.2 / 245.9 cm	<b>WHEEL TRAVEL</b>		
<b>WHEELBASE</b>	146 in	370.8 cm	FRONT	Up To 11 in	Up To 27.9 cm
<b>MAX TRACK WIDTH</b>	81.1 in	206 cm	REAR	Up To 12 in	Up To 30.5 cm

# Exterior Features





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High Intensity LED Headlights



Front Fascia

*Matte Black MSA Inspired Grille & Emblem*



MSA Exterior Graphics & Badging Package



MSA Wide Body Exterior Baja Package

*Wide body Front And Rear Fiberglass Body Panels, Panel Support Braces, Extended Wheel Well Fender Liners, Color Matched Exterior Widebody Panels*



Powder Coated, Textured, Heavy Duty Side Steps



Front & Rear Bumpers

*One Piece Heavy Duty Steel Construction, Welded For Extra Strength, Recessed LED Lighting Compatible, Satin Black Powder Coated Finish*



Dual Exhaust Tips with Black Finish

# Optional Packages





OPTIONAL PACKAGE

# Baja Exterior Appearance Package

[\$8,600.00]



Take your truck to the next level with this special exterior package developed by MSA Design Works. This Baja package transforms your truck into a heavy-duty monster equipped for any journey.

## LOW PROFILE BAJA ROOF RACK

*Oval LED Lighting System (1x Center Brake Light & 2x Outer Amber Lights), Satin Black Powder Coated Finish, Modular Design*



## SPARE TIRE CARRIER

*For Oversized Off-Road Wheel. Includes 1 Spare Wheel & Tire*



## LOW PROFILE BAJA ROOF RACK

*With 50" LED Light Bar System For Increased Visibility*



## FRONT BUMPER MOUNTED 39" LED LIGHT BAR

*For Increased Visibility*



# Baja Performance Suspension Package

[\$6,000.00]



Our development team sought out a suspension system that could offer best in class performance. This option includes a suspension system upgraded with Fox Racing components, creating improved on and off-road performance that allows you to tackle any environment.

**WHEEL TRAVEL**

*Up To 11 in Front Wheel Travel*  
*Up To 12 in Rear Wheel Travel*

**INCREASED TRACK WIDTH**

*7.2 in Increased Track Width Over Ford Raptor  
(3.6 in Per Side)*  
*13.5 in Increased Track Width Over Stock F-150  
(6.72 in Per Side)*

**LONG TRAVEL UPPER  
AND LOWER CONTROL ARMS**

**EXTENDED LONG TRAVEL  
FRONT AXLE SHAFTS  
& BRAKE LINES**

**FOX 3.0 F-150 LONG TRAVEL  
PERFORMANCE SHOCK PACKAGE**

*\*Optional Fully Adjustable FOX 3.0 Coilover And Shock Kit With 3" Diameter Bypass Shocks, Remote Reservoirs, -10AN Hoses, And Eibach Springs  
(Included In Front & Rear Suspension)*

**GLOSS BLACK POWDER  
COATED HARDWARE**

*With Anodized Aluminum Accents*

# Interior Features





# Interior Features



Performance Steering Wheel Upgrade

*Magnesium Paddle Shifters, Centerline Stitch & Aggressive Sport Design*



Billet Aluminum Control Knobs



Leather Seat Upgrade



Billet Number Plaque

*On Center Console*



MSA Details



Tinted Windows

# Color & Materials



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## EXTERIOR COLOR



Agate Black      Magnetic Grey      Lead Foot Grey      Oxford White

## INTERIOR COLOR



Black      Grey      Tan

## GRAPHICS COLOR



Matte Black      Gloss Black

## LOGO FINISH



Machine Finish      Black      \$150



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