

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) ORDER GUIDE



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Product Changes and Features Availability

Features, options and package content subject to change. Please check www.FMCDealer.com for the most current information.

2019 F-650 GAS SUPER DUTY (GAS STRAIGHT FRAME)



FORD
CODE

PEP Code:
600A

MAJOR STANDARD EQUIPMENT

	STD WB is 158"	STD
	01 - FRAME	
534	Single Channel, Straight "C", 12.64 SM, 50,000 PSI, 632,000 RBM - High-strength low-alloy steel; 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm)	x
766	Bumper Front - Black, full width	x
	Less Frame Extension Package	x
	02 - AXLE, FRONT - SUSPENSION, FRONT	
43A	Axle, Front Non-Driving - Dana D-850F 8,500-lb. capacity (includes Ross integral power steering)	x
61B	Parabolic Taper-leaf Springs - 2-leaf, 8,500-lb. capacity, 62" x 3.15"	x
	Shock Absorbers, Front - Standard duty, dual, double acting	x
	Wheel Seals, Front - Oil lubricated, SKF ScotSeal® PlusXL seals	x
	03 - AXLE, REAR - SUSPENSION, REAR	
472	17,500-lb. Single-Speed - Dana S17-140 single reduction with GenTech quiet gears, synthetic lube and 190 wheel ends	x
68M	Multi-leaf Springs - 11-leaf, 19,000-lb. capacity with 2,000-lb. auxiliary springs for load stabilization	x
	Wheel Seals, Rear - Oil Lubricated, SKF ScotSeal® PlusXL seals	x
	04 - BRAKES - BRAKE EQUIPMENT	
67J	Hydraulic Brake System - Bosch HydroMax® 22.5" wheels	x
	05 - ENGINE - ENGINE EQUIPMENT	
99Y	6.8L 3V SEFI V10 GAS - 320 horsepower @ 3900 rpm, 460 lb.-ft. torque @ 3000 rpm	x
425	50-State Emissions Requirements	x
	Canada and U.S. Territories get Federal Emissions	x
	ENGINE EQUIPMENT	
	Air Cleaner - Heavy-duty filter, dry type (Motorcraft FA-1883)	x
	Fan Clutch - Viscous screw-on type	x
	Radiator - Aluminum w/ in-tank transmission cooler, PremAir® ozone converter	x
	Starting Motor - 12-volt, Denso	x
	Anti-Freeze - OAT, extended life coolant; to -40 degrees F/-40 degrees C freeze protection	x
	06 - TRANSMISSION - DRIVELINE	
44P	Ford 6-Speed TorqShift® HD Automatic Transmission - Double overdrive, less PTO provision (PRNDM)	x
	Driveshaft - Dana base	x
	07 - EXHAUST	
91H	Exhaust System - Single horizontal muffler, catalytic converter, frame-mounted, RH, back of cab, downward facing, outlet tip	x
	08 - ELECTRICAL - ALTERNATOR - BATTERY	
	Alternator - Extra heavy-duty 12-volt, 175-amp., Mitsubishi	x
	Battery, 12-Volt, Motorcraft® - Single, 900 CCA, R/H frame-mount, under cab	x
	Battery Box - RH Frame Mount under cab step	x
	Body Builder Wiring - Frame mount at back of cab. Includes sealed connectors for 2 ground circuits, with combined left/stop, combined right/stop, stop lamps, park lamps, backup lamps. Also includes 2 additional pass-through wires to cab	x
	Emergency Flasher - Four-way	x
	Fuses, SAE - Blade-type smart fuse box	x
	Lights	x
	Aero Headlamps - High series, includes side marker lights with reflectors (front)	x
	Taillamps - Two w/ integral stop, turn, backup and license plate bracket	x
	Side Repeat Flasher	x

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MAJOR STANDARD EQUIPMENT

	STD WB is 158"	STD
	09 - FUEL TANK	
	50-U.S. Gallon - Single, LH, steel	x
	10 - SEATS	
88A	30/0/30 - Fixed driver and fixed passenger with console - vinyl	x
87B	60/40 - Rear bench seat with bolster and flip-up cushion - trim will match selected driver seat material (SuperCab)	x
87C	60/40 - Rear bench seat with flip-up cushion and fold-down back - trim will match selected driver seat material (Crew Cab)	x
	11 - CAB EQUIPMENT	
	Regular Cab, SuperCab or Crew Cab - Ford conventional, steel	x
	CAB EQUIPMENT - EXTERIOR	
	Doors - Two (four with SuperCab or Crew Cab)	x
	Front End Tilting Fiberglass Hood and Fenders Assembly - Tilt-type, frame-mounted, torsion bar assist (includes integral noise and inner splash shields and mud flaps)	x
	Glass - Laminated windshield, solar tint all-around	x
86A	Painted Grille - Plastic, NA with Frame Extension	x
	Horn - Dual note electric - Level 2	x
	Lights - Roof marker/clearance - amber lenses, 5 lights	x
54H	Mirrors - Dual rectangular Velvac XL2020, integral spot mirrors, sail type, 96" width, manual fold, solid black finish	x
	Tow Hooks, Front (2) - Frame-mounted, painted black	x
	Window, Rear - Fixed	x
	Windshield Wiper Control - Two-speed electric intermittent w/ windshield washers	x
	CAB EQUIPMENT - INTERIOR	
572	Air Conditioning, Manual - Includes integral heater and defroster; radiator-mounted compressor; R-134A refrigerant	x
	Air Registers - Molded-in-color with positive shut-off, color-coordinated trim	x
	Assist Handles, Interior A Pillars - Driver and passenger; all cabs	x
	Assist Handles, Interior B Pillars - Grab handle, driver and passenger; Crew Cab only	x
	Auxiliary Power Point - In instrument panel (2)	x
	Back Panel Trim Cover	x
	Coat Hook - RH/LH color-keyed	x
	Cruise Control - Steering Wheel-Mounted Controls	x
	Demisters - LH & RH side windows	x
	Dome Lamp - Rear-mounted with integral map reading lights. (Regular and Crew Cab only)	x
	Door Trim - Color-coordinated molded w/ grab handle	x
	Armrest/grab handle	x
	Soft Armrest, grab handle upper and lower map pockets	x
	Floor Covering - Black vinyl	x
	Gauge Cluster, English - With English electronic speedometer (MPH/KPH) includes oil pressure, coolant temperature, DEF gauge, fuel gauge, tachometer and indicator lights. Also includes enhanced 3-button Message Center with odometer, trip odometer, distance-to-empty for fuel, average fuel economy hour meter and warning messages. Trans Temp in message center	x
	Glove Box - Instrument panel, RH	x
	Headliner - Color-coordinated, molded, cloth	x
	Instrument Panel - Color-coordinated with Color-coordinated accents	x
	Intelligent Oil-Life Monitor®	x
588	Radio AM/FM Stereo - With 2 speakers, includes auxiliary audio input jack and clock	x

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PEP Code:
600A

	STD WB is 158"	STD
	CAB EQUIPMENT - INTERIOR (CONTINUED)	
	Safety Belts - Belt-Minder [®] (chime and flashing warning light on instrument panel if belts not buckled)	X
	Safety Belts - Color-coordinated, all-position, includes fixed D-rings (Regular Cab)	X
	Safety Belts - Color-coordinated, all-position, includes front seat adjustable D-rings (SuperCab or Crew Cab)	X
	Scuff Plates	X
	Steering Column - Tilt	X
	Steering Wheel - Black PVC, with integral cruise control switches	X
	Sunvisor, Single Driver - Vinyl	X
	Sunvisor, Single Passenger - Vinyl with mirror	X
	Tachometer - Electric	X
	Turn Signal Switch, Self-Canceling - Multifunction switch	X
	12 - FRONT WHEEL - TIRES	
	Wheels, Front	
643	22.5x8.25 - Steel disc, 10-hole - hub piloted, 5 hand hold, powder-coated white	X
	Tires, Front	
TCG	11R22.5G (14PR) Goodyear® Endurance RSA	X
	13 - REAR WHEEL - TIRES	
	Wheels, Rear	
663	22.5x8.25 - Steel disc, 10-hole - hub piloted, 5 hand hold, powder-coated white	X
	Tires, Rear	
RCG	11R22.5G (14PR) Goodyear® Endurance RSA	X
	14 - PAINT	
	Body Color Available - Agate Black (UM), Oxford White (YZ), Ingot Silver (UX), Magnetic (J7), Race Red (PQ), Blue Jeans (N1), Green Gem (W6), Tangier Orange (J8), Bold Yellow (LE), School Bus Yellow (B1), Stone Gray (D1)	X
	Chassis Color - Black	X
	Paint Type - Environmentally friendly, "3-wet system"	X

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) OPTIONAL EQUIPMENT



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
		STD
Body Code	Regular Cab SuperCab Crew Cab	F6A X6A W6A
01 - FRAME		
SINGLE CHANNEL - STRAIGHT "C"		
534	12.64 SM, 50,000 PSI, 632,000 RBM - High-strength low-alloy steel; 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm)	S
533	10.75 SM, 80,000 PSI, 860,000 RBM - High-strength low-alloy steel; 9.125" x 3.062" x 0.312" (232.8mm x 77.8mm x 7.9mm)	O
536	14.18 SM, 120,000 PSI, 1,701,600 RBM - Heat-treated alloy steel; 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm)	O
535	15.14 SM, 80,000 PSI, 1,211,200 RBM - High-strength low-alloy steel; 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm)	O
19C	Frame Rail Drilling - Factory pre-drilled holes in Frame Rails to support Special Fuel Tanks for a Roush CNG/LPG Gaseous Prep Conversion. Saves time, cost, transportation while providing accuracy for the mount. Requires (98G) CNG/LPG Gaseous FuelPrep Pack.	O
538	16.98 SM, 120,000 PSI, 2,037,600 RBM - Heat-treated alloy steel; 10.250" x 3.610" x 0.375" (260.4mm x 91.66mm x 9.5mm) Not Available with Integral Frame Extension (532), Requires 281" WB	O
532	Integral Front Frame Extension - 20" in front of grille, [Requires Frame (536). Includes (76X) Bumper Delete and includes (86B) Fixed Grille.] Available with (767) Swept Back Front Bumper. Not Available with 281" WB	O
766	Bumper, Front, Full Width - Black (NA with Frame Extension 532)	S
765	Bumper, Front, Full Width - Chrome-plated steel. Included with Exterior Appearance Group (90E).	O/I
76F	Bumper Extension, Front - 3" Extension (N/A with Swept Back Bumper 767)	O
767	Bumper, Front, Swept Back - Dark shadow gray painted steel (available with Front Frame Extension, 532) N/A with 281" WB	O
76X	Bumper, Front Delete - Standard with front Frame Extension (532) Also deletes the Mounting Brackets	O
	Tow Hooks, Front - Inside rail, frame-mounted (2)	S
76Y	Tow Hooks Delete	O
18D	Special Rating GVWR - Limited to 25,999-lb. GVWR	O
	Square Cut Frame Ends	S
02 - AXLE, FRONT - SUSPENSION, FRONT		
43A	Axle, Front Non-Driving - Dana D-850F 8,500-lb. capacity	S
43N	Axle, Front Non-Driving - Dana E-1002I 10,000-lb. capacity	O
TAPER-LEAF SPRINGS		
61B	Parabolic Taper-leaf - 2-leaf, 8,500-lb. capacity, 62" x 3.15" (available with 43A only)	S
61C	Parabolic Taper-leaf - 2-leaf, 10,500-lb. capacity, 62" x 3.15" (available with 43A or 43N)	O
61D	Parabolic Taper-leaf - 2-leaf, 12,000-lb. capacity, 62" x 3.15" (available with 43N)	O
	Shock Absorbers, Front - Double acting	S
15S	Stabilizer Bar, Front	O
	Wheel Seals, Front - Oil lubricated, SKF ScotSeal® PlusXL seals	S
60A	Lube, Front Axle - EmGard® 50W, synthetic oil	O
03 - AXLE, REAR - SUSPENSION, REAR		
NOTE: When specifying an axle ratio, check performance guidelines for startability and gradeability		
472	Axle, Rear Single - Dana S17-140 single reduction, 17,500-lb. capacity, with GenTech quiet gears, synthetic lube and 190 wheel ends	S
474	Axle, Rear Single - Dana S17-140 single reduction, 19,000-lb. capacity, with GenTech quiet gears, synthetic lube and 190 wheel ends	O
	Driveshaft - Dana base	S

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Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	MULTI-LEAF SPRINGS	
68M	11-Leaf, 19,000-lb. Capacity - For 17,500-lb. and 19,000-lb. rear axles, includes 2,000-lb. auxiliary springs for load stabilization	S
68P	11-Leaf, 21,000-lb. Capacity - For 19,000-lb. rear axles, includes 2,000-lb. auxiliary springs for load stabilization	O
961	Shock Absorbers, Rear - Double acting	O
	Wheel Seals, Rear - Oil lubricated, SKF ScotSeal® PlusXL seals	S
607	Lube, Rear Axle - EmGard® 75W-90, synthetic oil	O
	04 - BRAKES - BRAKE EQUIPMENT	
67J	Hydraulic Brake System - Bosch HydroMax®	S
674	Hydraulic Brake System with Traction Control - Bosch HydroMax®	O
	BRAKE EQUIPMENT	
152	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Combined trailer stop, tail, turn, marker light circuits; includes Electric Trailer Brake Accommodation Package with cab connections for mounting customer installed electric brake unit (available for Hydraulic Brake Straight Truck). Available with (Standard) Combined Back of Cab Body Builder Wiring or available with (59C) Combined End of Frame Body Builder Wiring. Not Available with 281" WB	O
154	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Seperate trailer stop, tail, turn, marker light circuits; includes Electric Trailer Brake Accommodation Package with cab connections for mounting customer installed electric brake unit (available for Hydraulic Brake Straight Truck). Available with (59D) Seperate Back of Cab Body Builder Wiring or available with (59E) Seperate End of Frame Body Builder Wiring. Not Available with 281" WB	O
	05 - ENGINE - ENGINE EQUIPMENT	
99Y	6.8L 3V SEFI V10 GAS - 320 horsepower @ 3900 rpm, 460 lb.-ft. torque @ 3000 rpm	S
	ENGINE EQUIPMENT	
41H	Engine Block Heater - Phillips; 120-volt, 750-watt	O
98G	Gaseous Fuel Prep Pack - CNG/LPG Engine Prep, Includes Hardened Engine Intake Valves, Exhaust Vales and Valve Seats. NOTE: This package DOES NOT include CNG/LPG fuel tanks, lines, etc. Vehicle will be equipped with the standard factory gasoline fuel system. Additional equipment combined with a Certified calibration reflash is required, from an external upfitter, to convert the vehicle to a CNG/LPG fueled vehicle.	O
	Radiator - Aluminum w/ in-tank transmission cooler, PremAir® ozone converter	S
916	Speed Limiter - 65 mph	O
917	Speed Limiter - 70 mph	O
	06 - TRANSMISSION	
44P	Ford 6-Speed TorqShift® HD Automatic Transmission - Double overdrive, less PTO provision (PRNDM)	S
41B	Transmission Power Takeoff Provision	O
	07 - EXHAUST	
91H	Exhaust System - Single horizontal muffler, catalytic converter, frame-mounted, right-hand, back of cab, downward facing, outlet tip	S
	08 - ELECTRICAL - ALTERNATOR - BATTERY	
	ALTERNATOR (12-VOLT)	
	Alternator - Extra heavy-duty 12-volt, 175-amp., Mitsubishi	S
17E	Alternator - Extra/Extra heavy duty 12-volt, 240-amp. (N/A with 57L, Air Conditioner Delete)	O
55M	Jump Start Stud - Remote-mounted	O

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Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	BATTERY, 12-VOLT (INCLUDES STEEL BATTERY BOX)	
	Motorcraft® - Single, 900 CCA	S
63B	Motorcraft® - Two, 900 CCA (1800 CCA total)	O
	Emergency Flasher	S
	Fuses, SAE , Blade type	S
	Aero Headlamps - High series, includes side marker lights with reflectors (front)	S
163	Lights - Roof Marker/Clearance - Amber lenses, 5 lights	S
164	Roof Marker/Clearance Lights - Clear lenses, 5 lights	O
16X	Roof Marker/Clearance Lights Delete - (For airport or applications that receive modified roof coverings)	O
	Taillamps - Two w/ integral stop, turn, backup and license plate bracket	S
55X	Tail Lights Delete - Deletes stop, turn, tail and backup lights (does not omit cable to end of frame)	O
	Turn Signal Switch, Self Canceling - Multifunction switch with windshield wiper (1-7 variable speed, hi, low), windshield washer, L/R turn signal; self cancel, L/R lane change, hazard, flash-to-pass, high beam	S
	Body Builder Wiring - At Back of Cab (includes sealed connectors for 2 ground circuits, with Combined left/stop, Combined right/stop, stop lamps, park lamps, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (154) Hydraulic Brake Trailer Connection	S
59C	Body Builder Wiring - At End of Frame (includes sealed connectors for 2 ground circuits, with Combined left/stop, Combined right/stop, stop lamps, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (19B) Beverage Package, Not Available with (154) Hydraulic Brake Trailer Connection	O
59D	Body Builder Wiring - At Back of Cab (includes sealed connectors for 2 ground circuits, with Seperate left/stop, Seperate right/stop, stop lamps, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (19B) Beverage Package, Not Available with (152) Hydraulic Brake Trailer Connection	O
59E	Body Builder Wiring - At End of Frame (includes sealed connectors for 2 ground circuits, with Seperate left/stop, Seperate right/stop, stop lamps, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (19B) Beverage Package, Not Available with (152) Hydraulic Brake Trailer Connection	O
17M	Back-up Alarm - Electric, 102 dBA (NA w/ Taillights Delete, Code 55X)	O
962	Daytime Running Lamps	O
	09 - FUEL TANKS (For Clean CA installations with other cabs refer to the Body Builders site)	
65A	Fuel Tank, 50-U.S. Gallon - Single, left-hand, steel (Regular Cab and SuperCab only)	S
65D	Fuel Tank, 60-U.S. Gallon - Single, left-hand, steel (Standard on Crew Cab)	O

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) OPTIONAL EQUIPMENT



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	10 - SEATS Seats are color-coordinated to cab trim level. All seats include seat belts. Rear seats of SuperCab or Crew Cab must be selected from this same grouping. Seat Delete options are available at the end of this list.	
88A	30/0/30 - Fixed driver and fixed passenger with consolette - vinyl	S
88B	30/0/30 - Fixed driver and fixed passenger with consolette - cloth	O
881	30/70 - Fixed driver and fixed 2-passenger bench - vinyl	O
882	30/70 - Fixed driver and fixed 2-passenger bench - cloth	O
88C	30/0/0 - Fixed driver only - vinyl	O
88D	30/0/0 - Fixed driver only - cloth	O
88R	30/0/30 - Air ride driver (integral air pump) and fixed passenger with consolette - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88S	30/0/30 - Air ride driver (integral air pump) and fixed passenger with consolette - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88L	30/70 - Air ride driver (integral air pump) and fixed 2-passenger bench - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88M	30/70 - Air ride driver (integral air pump) and fixed 2-passenger bench - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88J	30/0/30 - Air ride driver (integral air pump) and air ride passenger (integral air pump) with consolette - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88K	30/0/30 - Air ride driver (integral air pump) and air ride passenger (integral air pump) with consolette - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88W	30/0/0 - Air ride driver only (integral air pump) - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88X	30/0/0 - Air ride driver only (integral air pump) - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88Y	40/20/40 - Fixed driver and fixed passenger with unique 20% fold-down console - vinyl	O
88Z	40/20/40 - Fixed driver and fixed passenger with unique 20% fold-down console - cloth	O
	SUPERCAB - REAR SEAT	
87B	60/40 - Rear bench seat with bolster and flip-up cushion - trim will match selected driver seat material	S
87X	Rear Seat Delete	O
	CREW CAB - REAR SEAT	
87C	60/40 - Rear bench seat with flip-up cushion and fold-down back - trim will match selected driver seat material	S
87X	Rear Seat Delete	O
	11 - CAB EQUIPMENT	
	Regular Cab, SuperCab or Crew Cab - Ford conventional, steel	S/O
	INTERIOR APPEARANCE GROUP	
90A	Appearance Group - Front-mounted overhead console with dual sunglass bins and integral front map reading lights, door trim panel, chrome air registers, second-row bench seat (Crew Cab) or two-row high series flip-up seats with cushion and bolster (SuperCab). Includes Power Equipment Group (90P)	O
90P	Power Equipment Group - Power front side windows, power rear side windows (Crew Cab) power door locks and door trim panel. Includes manual rear side windows with SuperCab. Included in Appearance Group (90A)	O/I

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) OPTIONAL EQUIPMENT



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	EXTERIOR FEATURES	
90E	Exterior Appearance Group - Includes full-width chrome-plated front bumper (765), chromed fender badge and chrome grille surround (86C)	O
85A	Anti-Theft System	O
	Front End Tilting Fiberglass Hood & Fenders Assembly - Frame-mounted, torsion bar assist (includes integral noise and inner splash shields and mud flaps)	S
	Glass - Laminated windshield	S
	Glass - Solar tint complete	S
86A	Painted Grille - Plastic	S
86C	Grille - Chrome surround	O/I
86B	Grille, Fixed - Black/grey	O
	Horn, Electric - Dual	S
54H	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, solid black finish	S
54M	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, solid black finish	O
54P	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, heated and motorized, solid black finish (requires Power Equipment Group, 90P)	O
54B	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, chrome cap	O
54N	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, chrome cap	O
54A	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, heated and motorized, chrome cap (requires Power Equipment Group, 90P)	O
54J	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, solid black finish	O
54C	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, solid black finish	O
54R	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, heated and motorized, solid black finish (requires Power Equipment Group, 90P)	O
54D	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, chrome cap	O
54E	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, chrome cap	O
54K	Mirrors - Dual Rectangular XL2020 with Integral Spot Mirror Sail type, 102" width, heated and motorized, chrome cap (requires Power Equipment Group, 90P)	O
54F	Mirrors, Trailer Tow, Powered - Power telescoping, power folding w/ power heated glass, heated convex spotter & integrated clearance lights / turn signals (sail mount) (requires Power Equipment Group, 90P)-(heat controls dash mounted).	O
63F	Mirrors - Front Fender Mounted - (2) Driver Side and Passenger Side - (Late Availability)	O
63G	Mirror - Front Fender Mounted - (1) Passenger Side Only (Late Availability)	O
165	Mud Flaps Holder w/o Flaps	O
166	Mud Flap Holder with Flaps - Available with 22.5" wheels only	O
	Window, Rear - Fixed	S
92S	Window, Rear - Sliding	O
	Windshield Wiper - Intermittent variable w/ windshield washers	S
	INTERIOR FEATURES	
572	Air Conditioning, Manual - Includes integral heater and defroster; radiator-mounted compressor; R-134A refrigerant	S
57N	Air Conditioning, Delete - Fresh air heater and defroster only (NA with heated or motorized mirrors)	O
	Air Registers - Molded-in-color with positive shut-off, color-coordinated trim	S
	Air Registers - With positive shut-off, chrome-trimmed, included in Appearance Group	I

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) OPTIONAL EQUIPMENT



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	ASSIST HANDLE	
	Interior A Pillars - Driver and passenger; all cabs	S
	Interior B Pillars - Grab handle, driver and passenger; Crew Cab only	S
	Auxiliary Power Point - In instrument panel (2)	S
59F	4 Body Builder Switches - Mounted in center instrument panel with connector access located in engine compartment; amperages vary by switch: 10, 15, 25, 25	O
	Back Panel Trim Cover	S
	Cruise Control - Steering wheel-mounted controls	S
96C	Cup Holder - Instrument Panel Mounted, Pull out Cup Holder for two cups. (Not Available with (55P) 110 A/C Outlet)	O
	Demisters - LH & RH side windows	S
	Dome Lamp - Rear-mounted with integral map reading lights. (Regular and Crew Cab only)	S
90C	Fleet Telematics Modem - For Data Communication (Late Availability)	O
	Overhead Console - Front-mounted with dual sunglass bins and integral front map reading lights (all cabs, included in Appearance Group)	I
	Floor Covering, Black - Full, Vinyl Floor	S
	Gauge Cluster, English - With English electronic speedometer (MPH/KPH) includes oil pressure, coolant temperature, DEF gauge, fuel gauge, tachometer and indicator lights. Also includes enhanced 3-button Message Center with odometer, trip odometer, distance-to-empty for fuel, average fuel economy hour meter and warning messages. <u>Trans Temp in message center</u>	S
92C	CNG/LNG Gauge Cluster - Eliminates confusing settings from gauge cluster, due to new fuel tanks being used. (Specifically <i>Distance to Empty for Fuel</i> , and <i>Average Fuel Economy</i>) Requires (98G) CNG/LPG Gaseous FuelPrep Pack.	O
16V	Volt Meter - Available in Message Center	O
55P	110 A/C Outlet - In lower center finish panel (requires 59F 4 Body Builders Switches)	O
	Glove Box	S
	Instrument Panel - Color-coordinated with color-coordinated accents	S
58P	Radio Prep Package - Deletes radio and dash-mounted auxiliary input jack. Includes radio/speaker wiring, 2 speakers, antenna, radio instrument panel cover and dash-mounted auxiliary audio input jack instrument panel cover	O
58B	Radio Delete Package - Deletes radio, speakers, antenna and antenna cable. Includes radio instrument panel cover and auxiliary audio jack cover and speaker locations for future radio upfit if owner desires	O
588	Radio AM/FM Stereo - With 2 speakers, includes auxiliary audio input jack and clock	S
586	Radio, Electronic Premium AM/FM Stereo, Disc - With 4 speakers, dash-mounted auxiliary audio input jack and clock and redundant steering wheel audio controls	O
21D	SYNC® Media System - Includes dash-mounted USB 2.0 port and redundant steering wheel SYNC® controls. Requires Radio 586	O
85B	Keyed Alike - NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85L	Keyed Alike - Option #1 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85M	Keyed Alike - Option #2 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85N	Keyed Alike - Option #3 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85P	Keyed Alike - Option #4 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85K	Remote Keyless Entry - Requires Power Equipment Group 90P, includes two key fobs also requires 85A Anti-Theft System	O
	SAFETY BELTS	
	Includes fixed D-rings (Regular Cab)	S
	Includes adjustable D-rings (SuperCab or Crew Cab)	S
	Steering Wheel, Tilt with Cruise Controls - Black PVC	S

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) OPTIONAL EQUIPMENT



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
	INTERIOR FEATURES (CONTINUED)	
	Sunvisor, Single Driver - Vinyl	S
	Sunvisor, Single Passenger - Vinyl with mirror	S
90M	Interior Rear View Mirror	O
94A	Timer - Engine idle shutdown, 5 minutes	O
94B	Timer - Engine idle shutdown, 10 minutes	O
94C	Timer - Engine idle shutdown, 15 minutes	O
94D	Timer - Engine idle shutdown, 20 minutes	O
	12 - FRONT WHEELS - TIRES Order codes of optional tires are listed in the Tire tab.	
	WHEELS, FRONT (HUB PILOT MOUNT)	
643	22.5x8.25, white powder-coated steel, 10-hole	S
644	22.5x8.25, polished aluminum, 10-hole (Available until added starter launch)	O
64H	22.5" X 8.25" Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal (Feature available at added starter launch)	O
649	22.5x8.25 Black Wheel Requires 669	O
645	19.5x6.75, white powder-coated steel, 8-hole	O
648	19.5x6.75, polished aluminum, 8-hole, Requires 668 Also Requires (43A) 8,500 lb F/A	O
TCG	11R22.5G (14PR) Goodyear® Endurance RSA	S
	13 - REAR WHEELS - TIRES Order codes of optional tires are listed in the Tire tab.	
	WHEELS, REAR (HUB PILOT MOUNT)	
663	22.5x8.25, white powder-coated steel, 10-hole	S
664	22.5x8.25, polished aluminum, 10-hole - outer surface of outer wheel only; inner wheel is white powder-coated steel. Requires 644. (Available until added starter launch)	O
66H	22.5" X 8.25" Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal. Inner wheel is white powder-coated steel. Requires 64H. (Feature available at added starter launch)	O
665	19.5x6.75, white powder-coated steel, 8-hole	O
668	19.5x6.75, polished aluminum, 8-hole, Requires 648	O
669	22.5x8.25, Black Wheel Requires 649	O
RCG	11R22.5G (14PR) Goodyear® Endurance RSA	S
	13A - SPARE WHEEL - One Only	
60W	19.5x6.75, white powder-coated steel, 8-hole	O
60Z	22.5x8.25, white powder-coated steel, 10-hole	O
	14 - PAINT	
	Body Color Available - Agate Black (UM), Oxford White (YZ), Ingot Silver (UX), Magnetic (J7), Race Red (PQ), Blue Jeans (N1), Green Gem (W6), Tangier Orange (J8), Bold Yellow (LE), School Bus Yellow (B1), Stone Gray (D1)	O
	Chassis Color - Black	S
	Paint Type - Environmentally friendly, "3-wet system"	S

**2019 F-650 SUPER DUTY
(GAS STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



Order Code	COMPONENT DESCRIPTION	PEP Code: 600A
15 - MISCELLANEOUS		
19B	Beverage Delivery Package - Contains Body Builder Wiring - At Back of Cab at frame (includes sealed connectors for 2 ground circuits, with Combined left/stop, Combined right/stop, stop lamps, park lamps, backup lamps) (also includes 2 additional pass through wires to cab). With 6 feet additional length to accommodate drop frame beverage body application. Not Available with (59C), (59D) or (59E) Body buider Wiring.	○
21A	Pre-Delivery Inspection - Selection requires that you also choose either (314) or (31F) or (31V) to have the Pre-Delivery Inspection performed	○
314	Ship-Thru: Manning <u>MAY</u> be selected w/o adding (21A.) For <u>MODIFICATIONS ONLY</u> , Dealer must make arrangements directly with Manning (please use CVT Resources for add. Info).	○
31F	Ship-Thru: NFS National Fleet Services <u>MAY</u> be selected w/o adding (21A.) For <u>MODIFICATIONS ONLY</u> , Dealer must make arrangements directly with NFS (please use CVT Resources for add. Info).	○
31V	Ship-Thru: Fontaine Vocational Services for Tractors <u>MAY</u> be selected w/o adding (21A.) For <u>MODIFICATIONS ONLY</u> , Dealer must make arrangements directly with Fontaine (please use CVT Resources for add. Info).(If 21A Pre-Delivery Inspection is also selected it will be performed by NFS)	○
79V	Send a paper Certificate of Origin for a Vehicle (COV) for those states that file electronically (CA or MI)	○

2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) TIRES



Order Code		Description		Rev/Mile
Front	Rear			
OPTIONAL TIRES for 22.5" Wheel Configuration				
		Tubeless Radial Tires (Allowable Mixed Plys Noted)	Ply Rating	
		11R22.5G (14PR)		--
TCG	RCG	GDYR Endurance RSA	14	496
--	RCA	Goodyear® G182	14	496
--	RCF	GDYR Endurance RSA	16	497
--	RCE*	Goodyear® G182*	16	497
TC1	RC1	Michelin XZE2	14	496
	RMA	Michelin X Multi D	14	496
--	RC3*	Michelin XZE2*	16	497
	RMB*	Michelin X Multi D	16	494
TCF	RCF	GDYR Endurance RSA	16	497
--	RCE	Goodyear® G182	16	497
--	RCG	GDYR Endurance RSA	14	496
--	RCA**	Goodyear® G182**	14	496
TC3	RC3	Michelin XZE2	16	497
	RMB	Michelin X Multi D	16	494
--	RC1**	Michelin XZE2**	14	496
	RMA**	Michelin X Multi D	14	496
		255/70R22.5H (16PR)		--
TCH	RCH	GDYR Endurance RSA	16	564
--	RHB	Goodyear® G622	16	564
		275/80R22.5G (14PR)		--
TJF	RJF	Michelin XZE2	14	510
--	RN5	Michelin XDA5	14	510
		275/80R22.5H (16PR)		--
TFA	RFA	Hankook AH22	16	509
--	RFB	Hankook DH15	16	509
		295/75R22.5H (16PR)		--
TRA	RRA	Continental HA3 ^{##}	16	514
	RRC	Continental HDR2	16	509
OPTIONAL TIRES for 19.5" Wheel Configuration				
		Tubeless Radial Tires		
		245/70R19.5G (14PR) {N/A with 19K RA (474), also N/A with (18D)}		
TEA	REA	Hankook AH11	14	618
--	REB	Hankook DH01	14	618
		245/70R19.5H (16PR)		--
TGK	RGK	Michelin XZE	16	621
TGA	RGA	Continental HSR1	16	621
--	RGB	Continental HDR	16	621
		265/70R19.5G (14 PR)		--
TPA	RPA	Hankook AH11	14	604
--	RPB	Hankook DH01	14	604

**Late Availability

** Requires 643, 644 Front Wheels and 663, 664 Rear Wheels

* 16 Ply

** 14 Ply



2019 F-650 SUPER DUTY (GAS STRAIGHT FRAME) AXLE RATIOS

Manufacturer:	Dana / Spicer	Dana / Spicer
Model:	S14-140	S19-140
Capacity (lbs.):	17,500	19,000
Differential:	Open	Open
Drive Gear:	GenTech	GenTech
Order Code:	472	474
F650 Dock Height (Gas)		Std. Opt.

5.29	X5B*	X-5.29	X-5.29	*Available with 19.5" Wheels and Tires - ONLY
5.57	X5D*	X-5.57	X-5.57	*Available with 19.5" Wheels and Tires - ONLY
6.14	X6A*	X-6.14	X-6.14	*Available with 22.5" Wheels and Tires - ONLY
6.50	X6D*	X-6.50	X-6.50	*Available with 22.5" Wheels and Tires - ONLY

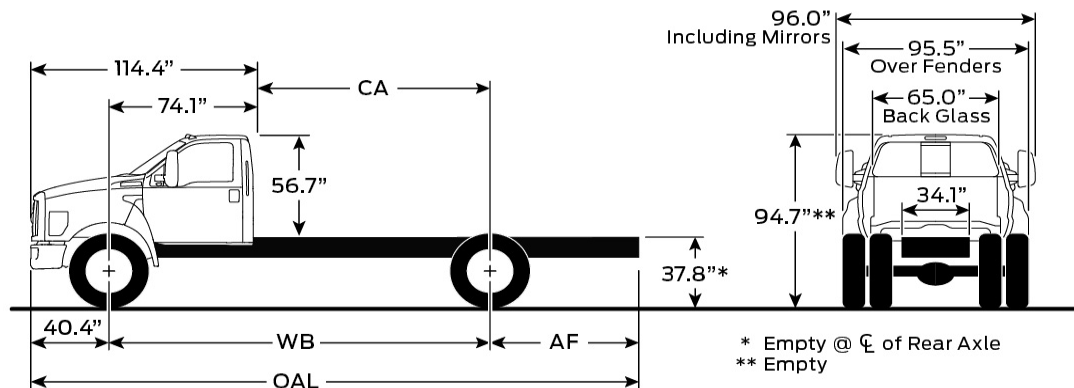
2019 F-650 SUPER DUTY CAB-WHEELBASE-DIMENSIONAL DATA GAS REGULAR CAB - Straight Frame



Model Code: F6A

PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	
	Front	Rear	Total	CA	AF	OAL	To Curb	W/Bumper Clearance
158	6001	3617	9618	84	49	246	22 ft. 3 in.	23 ft. 10 in.
176	6060	3680	9740	102	70	285	24 ft. 5 in.	26 ft. 1 in.
182	6069	3689	9758	108	70	291	25 ft. 2 in.	26 ft. 9 in.
194	6093	3714	9808	120	75	308	26 ft. 8 in.	28 ft. 3 in.
200	6107	3731	9839	126	75	314	27 ft. 5 in.	29 ft. 0 in.
212	6132	3756	9887	138	81	332	28 ft. 1 in.	29 ft. 9 in.
218	6148	3776	9924	144	81	338	28 ft. 10 in.	30 ft. 6 in.
224	6175	3803	9978	150	87	350	29 ft. 7 in.	31 ft. 2 in.
230	6184	3813	9996	156	87	356	30 ft. 3 in.	31 ft. 11 in.
242	6223	3855	10078	168	100	381	31 ft. 8 in.	33 ft. 4 in.
260 ^	6271	3902	10173	186	120	419	33 ft. 10 in.	35 ft. 6 in.
281 **	6439	4307	10746	207	120	440	36 ft. 4 in.	37 ft. 11 in.

^ Not Available with Frame (533)

Not Available with Integral Front Frame Extension (532). **Requires (538) Frame Rail

**2019 F-650 SUPER DUTY
(STRAIGHT FRAME)
GAS REGULAR CAB
FRAMES**



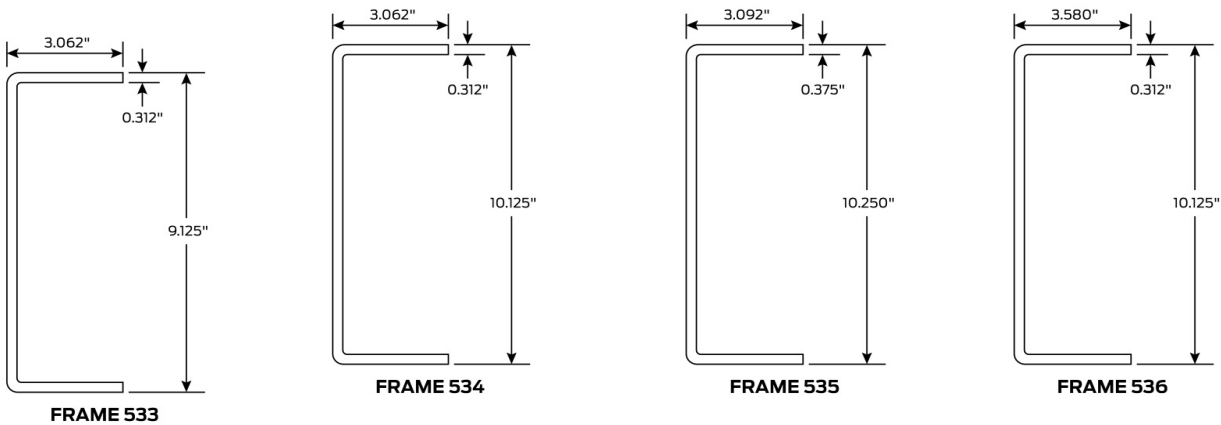
F6A

FRAME RAIL SPECIFICATIONS

	CODE	Side Rail							
		DIMENSIONS (Inches)			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		Depth	Width	Thickness		Nominal	Maximum	Nominal	Maximum
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800
O	538**	Straight Channel Side Rail							
		10.25	3.61	0.375	120,000	16.98	17.79	2,037,600	2,134,800

**Not Available with Integral Front Frame Extension (532), For use with 281" WB only

FRAME RAIL CROSS SECTION



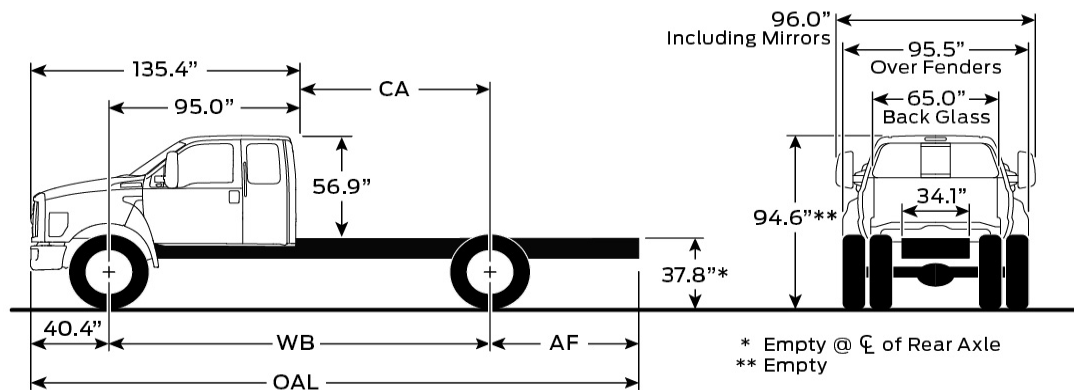
2019 F-650 SUPER DUTY CAB-WHEELBASE-DIMENSIONAL DATA GAS SUPERCAB - Straight Frame



Model Code: X6A

PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	W/Bumper Clearance
	Front	Rear	Total	CA	AF	OAL	To Curb	
179	6213	3686	9898	84	49	267	24 ft. 10 in.	26 ft. 5 in.
197	6267	3740	10005	102	70	306	27 ft. 0 in.	28 ft. 8 in.
203	6273	3746	10018	108	70	312	27 ft. 1 in.	28 ft. 8 in.
215	6299	3773	10071	120	75	329	28 ft. 6 in.	30 ft. 1 in.
221	6314	3792	10106	126	75	335	29 ft. 2 in.	30 ft. 10 in.
233	6339	3818	10156	138	81	353	30 ft. 8 in.	32 ft. 3 in.
239	6349	3828	10175	144	81	359	31 ft. 4 in.	33 ft. 0 in.
245	6349	3832	10180	150	87	371	32 ft. 1 in.	33 ft. 8 in.
251	6389	3870	10257	156	87	377	32 ft. 9 in.	34 ft. 5 in.
263 ^	6418	3897	10314	168	100	402	34 ft. 3 in.	35 ft. 10 in.
281**	6662	4482	11144	207	120	440	36ft. 4 in.	37 ft. 11 in.

^ Not Available with Frame (533)

Not Available with Integral Front Frame Extension (532). **Requires (538) Frame Rail

**2019 F-650 SUPER DUTY
(STRAIGHT FRAME)
GAS SUPERCAB
FRAMES
X6A**

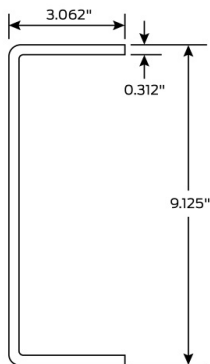


FRAME RAIL SPECIFICATIONS

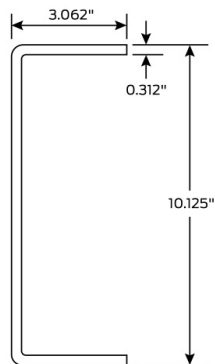
	CODE	Side Rail			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		DIMENSIONS (Inches)				Nominal	Maximum	Nominal	Maximum
		Depth	Width	Thickness					
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800
O	538**	Straight Channel Side Rail							
		10.25	3.61	0.375	120,000	16.98	17.79	2,037,600	2,134,800

**Not Available with Integral Front Frame Extension (532), For use with 281" WB only

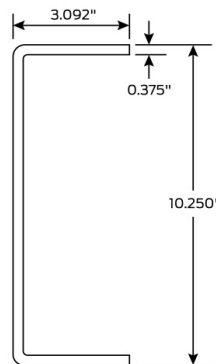
FRAME RAIL CROSS SECTION



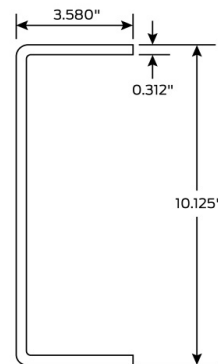
FRAME 533



FRAME 534



FRAME 535



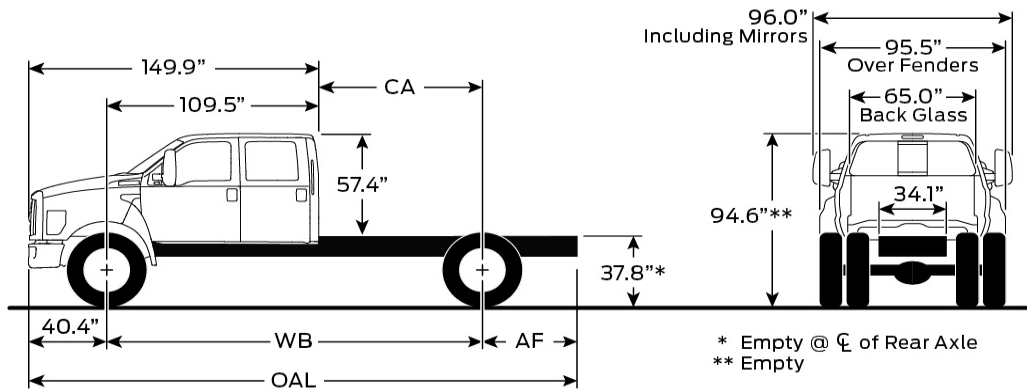
FRAME 536

2019 F-650 SUPER DUTY **CAB-WHEELBASE-DIMENSIONAL DATA** **GAS CREW CAB - Straight Frame**



Model Code: W6A
PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	W/Bumper Clearance
	Front	Rear	Total	CA	AF	OAL	To Curb	
182	6351	3689	10040	72	49	270	25 ft. 2 in.	26 ft. 9 in.
194	6384	3724	10107	84	49	282	26 ft. 8 in.	28 ft. 3 in.
212	6434	3774	10207	102	70	321	28 ft. 1 in.	29 ft. 9 in.
218	6448	3791	10240	108	70	327	28 ft. 10 in.	30 ft. 6 in.
230	6483	3832	10314	120	75	344	30 ft. 3 in.	31 ft. 11 in.
236	6492	3842	10334	126	75	350	31 ft. 0 in.	32 ft. 7 in.
248	6512	3859	10372	136	81	368	32 ft. 5 in.	34 ft. 1 in.
254^	6522	3869	10391	144	81	374	33 ft. 2 in.	34 ft. 9 in.
260^	6548	3897	10446	150	87	386	33 ft. 10 in.	35 ft. 6 in.
266^	6557	3905	10463	156	87	392	34 ft. 7 in.	36 ft. 3 in.
278^	6592	3942	10533	168	100	417	36 ft. 0 in.	37 ft. 8 in.

^ Not Available with Frame (533)

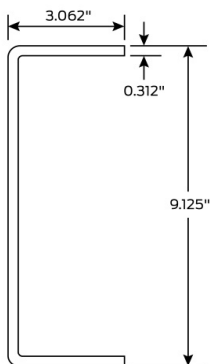
**2019 F-650 SUPER DUTY
(STRAIGHT FRAME)
GAS CREW CAB
FRAMES
W6A**



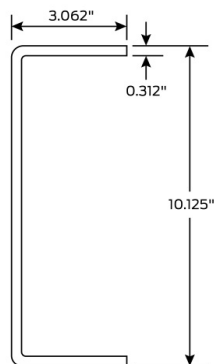
FRAME RAIL SPECIFICATIONS

	CODE	Side Rail			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		DIMENSIONS (Inches)				Nominal	Maximum	Nominal	Maximum
		Depth	Width	Thickness					
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800

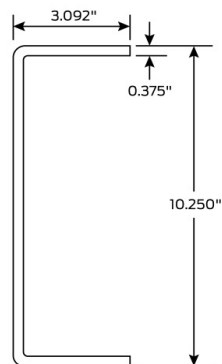
FRAME RAIL CROSS SECTION



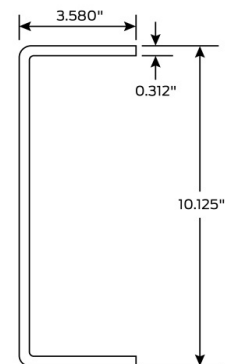
FRAME 533



FRAME 534



FRAME 535



FRAME 536