

2021 MY MEDIUM DUTY F-650/F-750

Revised September 20, 2019

NOTE: The 2020 Medium Duty Model Year is replaced with the 2021 Model Year detailed in this guide. MY2020 will not be produced. This action aligns the Medium Duty product with Model Year / Calendar Year market expectations.

Note to Medium Duty Order Guide users. The F-650 / F-750 Order Guide is designed as a comparative feature code reference. The Medium Duty CANNOT be ordered via CONCEPS nor WEBDO. Ford Medium Duty MUST be ordered via the Commercial Vehicle Tools (CVT) software program.

For assistance with F-650 / F-750 specifications, technical questions, order support or to obtain CVT software, please contact the Commercial Vehicle Hotline at 877-TRK-LINE (877-875-5463).

For additional sales support information be sure to use:

Ford Tough Truck:

<https://fordtoughtruck.com/>

E-Source Book:

<https://www.esourcebook.dealerconnection.com/content/ret-ford/en/index.html>



Product Changes and Features Availability

Following the publication of this Order Guide, certain changes in standard equipment, features, prices and the like, may have occurred which would not be included in these pages. Be sure to use the most current order guide available on Dealer Connection or Commercial Vehicle Center portal.



2021 MY MEDIUM DUTY F-650 / F-750
ORDER GUIDE
Revised May 6, 2019

PEP CODE 600A

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2021 MEDIUM DUTY F-650 / F-750

MAJOR PRODUCT CHANGES

Revised October 15, 2019

MECHANICAL

- ★ CNG and related feature codes for 7.3L V8 Gasoline Engine Available
- ★ Dual rear wheels (DRW) all four aluminium rims available
- ★ 7.3L V8 Gasoline Engine (468 ft-lbs @ 3900 rpm, and 350 hp @ 3900 rpm)
- Updated 6.7L Diesel HP/Torque RPM value (see Section 5 in Optional Equipment)
- ★ 210 amp alternator standard with 7.3L gasoline engine
- ★ Optional Dual Heavy Duty 397 amp available with gasoline engine
- ★ Dana 23,000 pound rear axle models now S23-172 and S23-172D
- ★ Bendix Air Dryer Model now AD/IS
- ★ Bendix Air Dryer now standard with all air brakes
- ★ Back Up Alarm available with Tail Light Delete (late availability)

EXTERIOR

- None

INTERIOR / COMFORT

- ★ Rapid Heat optional with diesel
- ★ Updated steering wheel and column (audio controls and telescoping)
- Updated instrument cluster and instrument panel center stack

SAFETY / SECURITY

- ★ Traction Control for Hydraulic standard
- ★ Traction Control for Air Brakes standard
- ★ Electronic stability control-Hydraulic Brakes
- ★ Driver Assist Technology

DRIVER ASSIST

- ★ Hill Start Assist standard with hydraulic brakes
- ★ Automatic headlamps standard
- ★ Telescoping / tilt steering wheel standard
- ★ Bluetooth radio standard
- ★ Steering wheel mounted audio controls standard

FUNCTIONAL

- ★ Fleet telematics modem standard
- ★ Upfitter Interface Module optional

PACKAGES

- ★ Driver Assist Technology Package optional (driver assistance and collision mitigation package)

LATEST ORDER GUIDE UPDATES

- ★ Medium Duty 2020MY replaced with MY2021
- ★ Major format change-Medium Duty now upgraded to a single document
- ★ Major format change – Medium Duty OG now supported with Medium Duty Supplemental Order Guide

ADDS and DELETES

- ★ SYNC Media system deleted

★ = New for this model year

Product Changes and Features Availability

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2021 MY MEDIUM DUTY F-650/F-750 STANDARD EQUIPMENT

PROPRIETARY
Page 1

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	Code	F-650				F-750			
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
01- FRAME – SINGLE CHANNEL–STRAIGHT "C"									
22,000 GVWR (may be optioned up to 26,000)		—	—	•	•	—	—	—	—
26,000 GVWR (may be optioned up to 29,000)		•	•	—	—	—	—	—	—
27,500 GVWR (may be optioned up to 29,000)		—	—	—	—	•	—	—	—
31,000 GVWR (may be optioned up to 37,000)		—	—	—	—	—	•	•	•
37,000 GCWR maximum		—	•	—	•	—	—	•	—
50,000 GCWR maximum		•	—	•	—	•	•	—	•
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)	534	•	•	—	—	—	—	—	—
Single Channel–Straight 'C' 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).	535	—	—	—	—	—	•	•	—
Single Channel–Straight 'C' 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).	536	—	—	—	—	•	—	—	•
Single Channel–10.75 SM, 80,000 PSI 860,000/520,000 RBM. 9.125" x 3.062" x 0.312" (231.8mm x 77.8mm x 8.0mm) w/transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm).	537	—	—	•	•	—	—	—	—
Bumper Front–Black Full Width	766	•	•	•	•	•	•	•	•
Square Cut Frame Ends		•	•	•	•	—	•	•	—
Tapered Frame Ends		—	—	—	—	•	—	—	•
02 – AXLE, FRONT – SUSPENSION, FRONT									
Axle, Front Non-Driving Dana D-850F 8,500 lb. Cap. (Includes Integral Power Steering)	43A	•	•	•	•	—	—	—	—
Axle, Front Non-Driving Dana E-1002I 10,000 lb. Cap. (Includes Integral Power Steering)	43N	—	—	—	—	•	•	•	•
8,500 lb. Parabolic Taper-leaf Springs (Includes Shock Absorbers)	61B	•	•	•	•	—	—	—	—
10,000 lb. Parabolic Taper Leaf Spring	61C	—	—	—	—	•	•	•	•
Shock Absorbers, Front–Standard Duty, Dual, Double Acting		•	•	•	•	•	•	•	•
Wheel Seals, Front–Oil Lubricated, SKF ScotSeal® PlusXL seals		•	•	•	•	•	•	•	•
03 – AXLE, REAR – SUSPENSION, REAR									
13,500 lb. Rear Axle Assembly	471	—	—	•	•	—	—	—	—
17,500 lb. Rear Axle Assembly–Single-Speed (Dana S17- 140) Single Reduction	472	•	•	—	—	•	—	—	—
21,000 lb. Rear Axle Assembly–Single Speed, (Dana 21060S), Single Reduction	475	—	—	—	—	—	•	•	•
Spr Cap-Rr 15,500 lb. for 13,500 lb. Rear Axle (Includes 4500 lb. Auxiliary Rubber Spring)	68K	—	—	•	•	—	—	—	—
Spr Capacity-Rr 19,000 lb. Multi Leaf	68M	•	•	—	—	•	—	—	—
Spr Cap-Rr 21,000 lb. Multi Leaf	68P	—	—	—	—	—	•	•	•
Wheel Seals, Rear–Oil Lubricated, SKF ScotSeal® PlusXL seals		•	•	•	•	•	•	•	•
04 – BRAKES – BRAKE EQUIPMENT									
Hydraulic Brake System–Bosch HydroMax® w/Traction Control	67H	•	•	•	•	—	•	•	—
Air Brakes with Traction Control– Meritor® Q-Plus with ABS (Bendix® anti-lock brake system) (4-channel). Includes 15" x 4" front brakes w/16.5"x7.0" rear brakes– 22.5" wheels; dual direct reading air pressure gauges, brake lines color-coded nylon, Bendix® 13.2 CFM capacity air compressor, instrument panel-mounted yellow knob parking brake control valve, automatic slack adjusters front and rear, two rear spring parking air brake chambers mounted on front of rear axle, three drain valve(s) and two air tanks (reference Body Builders book for location) Includes Electronic Stability Control (18H) on tractor series. Includes 62D Air Dryer (Bendix AD/IS) with Heater– Mounted Inboard Left Frame Rail	67A	—	—	—	—	•	—	—	•
Trailer Brake – Hand Control Valve		—	—	—	—	•	—	—	•
Electronic Stability Control–Requires Air Brakes with Traction Control (67A). Included with tractor series.	18H	—	—	—	—	•	—	—	•
Hill Start Assist – Requires Hydraulic Brakes		•	•	•	•	—	•	•	—

• = Available N = Engineering restriction applies



2021 MY MEDIUM DUTY F-650/F-750 STANDARD EQUIPMENT

	Code	F-650				F-750			
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR		STRAIGHT (Dock Height)	TRACTOR
05 – ENGINES – ENGINE EQUIPMENT									
ENGINES									
6.7L Power Stroke® V8 Turbo Diesel – 270 HP @ 2400 RPM, 700 lb.-ft. Torque @ 1500 RPM. Includes engine exhaust brake	99C	•	—	•	—	•	•	—	•
7.3L 2V DEVCT NA PFI V8 GAS 468 ft-lbs @ 3900 rpm, and 350 hp @ 3900 rpm	99N	—	•	—	•	—	—	•	—
Manual Regen Initiation – Message Center Driver Interface		•	—	•	—	•	•	—	•
Engine Exhaust Brake		•	—	•	—	•	•	—	•
50-State Emissions	425	•	•	•	•	•	•	•	•
Clean Idle Label – NAFLRO Direct Sales Only		•	—	•	—	•	•	—	•
ENGINE EQUIPMENT									
Air Cleaner – Donaldson with Restriction Indicator		•	—	•	—	•	•	—	•
Air Cleaner – Motorcraft Heavy Duty Dry Type		—	•	—	•	—	—	•	—
Fan Clutch–Viscous Screw-on Type		•	•	•	•	•	•	•	•
Fuel/Water Separator		•	—	•	—	•	•	—	•
Radiator–Aluminum w/In-Tank Transmission Cooler		•	•	•	•	•	•	•	•
Starting Motor–12-Volt, Denso		—	•	—	•	—	—	•	—
Starting Motor–12-Volt, Comstar, all parallel		•	—	•	—	•	•	—	•
Anti-Freeze, POAT (low Phosphate Organic Acid Technology, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C. Freeze Protection		•	•	•	•	•	•	•	•
06 – TRANSMISSION									
Ford TorqShift® HD 6-Speed Automatic Double Overdrive Less PTO Provision and Tow/Haul	44P	—	•	—	•	—	—	•	—
Ford TorqShift® HD 6-Speed Automatic Double Overdrive Less PTO Provision and Tow/Haul	44G	•	—	•	—	•	•	—	•
PRNDM (Park on gear shift)		N	•	N	•	—	—	—	—
RNDM (Less Park on gear shift); Required with Electronic Stability Control or F-750 Series or Tractor, or GVWR above 30K or NV Ratio between 38-50.49		N	—	N	—	•	•	•	•
Driveshaft–Dana Base SPL 100		•	•	•	•	•	•	•	•
07 – EXHAUST									
Exhaust System – Under Cab Right-Side Outlet–Single, horizontal muffler, right side, under cab, outside frame rail with rear discharge, Switchback-style (Not Available with 146"WB)	91G	•	—	•	—	•	•	—	•
Exhaust System–Single horizontal muffler and catalytic converter, frame-mounted, right-hand, back of cab, downward facing outlet tip	91H	—	•	—	•	—	—	•	—
08 – ELECTRICAL – ALTERNATOR–BATTERY									
Alternator–Extra Heavy Duty 12 Volt–210 amp., Mitsubishi		—	•	—	•	—	—	•	—
Alternator–Extra Heavy Duty 12 Volt, 200 amp., Denso SC5		•	—	•	—	•	•	—	•
Battery–12-Volt, Motorcraft–Two, 750 CCA (1500 CCA Total) R/H Frame-Mnt, Undercab		•	—	•	—	•	•	—	•
Battery–12-Volt, Motorcraft–Single, 900 CCA, R/H Frame-Mnt, Undercab		—	•	—	•	—	—	•	—
Battery Box–RH Frame Mount under cab step		•	•	•	•	•	•	•	•
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, and back up lamps. Also includes 2 additional pass through wires to cab		•	•	•	•	—	•	•	—
Emergency Flasher–Four Way		•	•	•	•	•	•	•	•
Fuses, SAE–Blade-Type Smart Fuse Box		•	•	•	•	•	•	•	•
Aero Headlamps–High series, includes side marker lights with reflectors (front)		•	•	•	•	•	•	•	•
Taillamps–Two w/Integral Stop, Turn, Backup and License Plate bracket		•	•	•	•	•	•	•	•
Side Repeat Flasher		•	•	•	•	•	•	•	•
Fleet Telematics Modem (supports vehicle tracking systems - see extended description below)		•	•	•	•	•	•	•	•
Note: Fleet Telematics Modem — Onboard modem device provides access to vehicle data to support Ford Telematics™ and Ford Data Services™ via optional subscription including but not limited to vehicle location, speed, idle time, fuel, vehicle diagnostics and maintenance alerts. Device enables optional telematics services through Ford or authorized providers via paid subscription. Further details about Ford Telematics™ at https://www.commercialsolutions.ford.com . Activate modems for authorized third-party telematics service providers at www.fleet.ford.com . Or call 1-833-811-FORD (1-833-811-3673).									
09–FUEL TANKS									
GAS									
50-U.S. GALLON – Single, Left-hand, Steel (Standard on Regular Cab and SuperCab)	65A	—	•	—	•	—	—	•	—
65-U.S. GALLON – Single, Left-hand, Steel (Standard on Crew Cab)	65D	—	•	—	•	—	—	•	—



**COMMERCIAL
VEHICLE CENTER**

2021 MY MEDIUM DUTY F-650/F-750 STANDARD EQUIPMENT

PROPRIETARY

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	Code	F-650		F-750		DIESEL	F-750		DIESEL
		DIESEL	GAS	DIESEL	GAS		DIESEL	GAS	
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
09-FUEL TANKS (continued)									
DIESEL									
50-U.S. GALLON – Single, Left-hand, aluminum, rectangular (Standard on Regular Cab)	65B	•	—	•	—	•	•	—	•
65-U.S. GALLON – Single, Left-hand, aluminum, rectangular (Standard on SuperCab and Crew Cab)	65E	•	—	•	—	•	•	—	•
Diesel Fuel–Cold Weather Anti-Gel Additive–Gold Eagle #2106		•	—	•	—	•	•	—	•
10 – SEATS									
30/0/30–Fixed Driver and Fixed Passenger with Console–Vinyl	88A	•	•	•	•	•	•	•	•
SUPERCAB-REAR SEAT									
60/40–Rear Bench Seat with Bolster and Flip-up Cushion–Trim will match selected Driver seat material		•	•	•	•	•	•	•	•
CREW CAB-REAR SEAT									
60/40–Rear Bench Seat with Flip-up Cushion and Fold-down Back–Trim will match selected Driver seat material		•	•	•	•	•	•	•	•
11 – CAB EQUIPMENT									
CAB EQUIPMENT-EXTERIOR									
Doors–Two (Four with SuperCab or Crew Cab)		•	•	•	•	•	•	•	•
Front End Tilting Fiberglass Hood & Fenders Assembly – Tilt Type, Frame Mounted, Torsion Bar Assist (Incl. Integral noise & Inner splash shields and mud flaps)		•	•	•	•	•	•	•	•
Glass–Laminated Windshield, Solar Tint All-Around		•	•	•	•	•	•	•	•
Painted Grille – Composite	86A	•	•	•	•	•	•	•	•
Horn–Dual Note Electric–Level 2		•	•	•	•	•	•	•	•
Hose Tender for Air/Electric Lines		—	—	—	—	•	—	—	•
Lights–Roof Marker/Clearance – 5 amber lenses		•	•	•	•	•	•	•	•
MIRRORS									
Mirrors–Dual Rectangular Velvac XL2020 Integral Spot Mirror, Sail Type, 96" Width, Manual Fold, Solid Black Finish	54H	•	•	•	•	•	•	•	•
Reflective Tape (cab rear)		—	—	—	—	•	—	—	•
Tow Hooks, Front (2)–Frame Mounted, painted black		•	•	•	•	•	•	•	•
Tractor Air/Electric Lines–12' Coiled		—	—	—	—	•	—	—	•
Tractor Deck Plate/Pogo Stick		—	—	—	—	•	—	—	•
Trailer Module–7-PIN (Mounted at Back of Cab; Wired for Turn Signals, Independent of Stop; Compatible with Trailers that have Amber or Side Turn Lights with Independent Stop/Turn); 7-way Connector with PIN Terminals only		—	—	—	—	•	—	—	•
Trailer Charge Valve		—	—	—	—	•	—	—	•
Window, Rear–Fixed		•	•	•	•	•	•	•	•
Windshield Wiper Control–Two-Speed Electric Intermittent w/Windshield Washers		•	•	•	•	•	•	•	•
CAB EQUIPMENT – INTERIOR									
Air Conditioning, Manual–Includes Integral Heater and Defroster	572	•	•	•	•	•	•	•	•
Air Registers–Molded-in-color with Positive Shut-Off, color coordinated trim		•	•	•	•	•	•	•	•
Assist Handles, Interior A Pillars–Driver and Passenger; All Cabs		•	•	•	•	•	•	•	•
Assist Handles, Interior B Pillars–Grab Handle, Driver and Passenger; Crew Cab Only		•	•	•	•	•	•	•	•
Auxiliary Power Point – In Instrument Panel, Two 4 Body Builder Switches–mounted in Center I/P With connector access located in engine compartment; Amperages vary by switch: Includes 10, 15, 25, 25	59F	•	—	•	—	•	•	—	•
Back Panel Trim Cover		•	•	•	•	•	•	•	•
Coat Hook–RH/LH Color Keyed		•	•	•	•	•	•	•	•
Cruise Control–Steering Wheel Mounted Controls		•	•	•	•	•	•	•	•
Demisters–LH & RH Side Windows		•	•	•	•	•	•	•	•
Dome Lamp–Rear Mounted with integral map reading lights		•	•	•	•	•	•	•	•
Door Trim – Color Coordinated Molded w/Grab Handle		•	•	•	•	•	•	•	•
Armrest/grab handle		•	•	•	•	•	•	•	•
Floor Covering–Black Vinyl		•	•	•	•	•	•	•	•
Gauge Cluster, Diesel–with electronic speedometer (MPH/KPH), includes oil pressure, coolant temperature, DEF gauge, fuel gauge, tachometer, and indicator lights. Also included is enhanced 3-button Message Center with odometer, trip odometer, distance to empty for fuel, average fuel economy, hour meter and warning messages. Transmission temperature in message center.		•	—	•	—	•	•	—	•

• = Available N = Engineering restriction applies



2021 MY MEDIUM DUTY F-650/F-750 STANDARD EQUIPMENT

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	F-650						F-750		
	Code	DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
11 – CAB EQUIPMENT (continued)									
Gauge Cluster, Gas—with electronic speedometer (MPH/KPH) includes oil pressure, coolant temperature, fuel gauge, tachometer and indicator lights. Also included is enhanced 3-button Message Center with odometer, trip odometer, distance to empty for fuel, average fuel economy, hour meter, and warning messages. Transmission temperature in message center.		—	•	—	•	—	—	•	—
Glove Box—Instrument Panel, RH		•	•	•	•	•	•	•	•
Headliner—Color Coordinated, Molded, Cloth		•	•	•	•	•	•	•	•
Instrument Panel—Color Coordinated With Color Coordinated Accents		•	•	•	•	•	•	•	•
Oil Maintenance Minder		•	•	•	•	•	•	•	•
Radio AM/FM Stereo—With 2 speakers, includes USB input, clock display, and Bluetooth	588	•	•	•	•	•	•	•	•
Safety Belts—Belt Minder (Chime & Flashing Warning Light on Instrument Panel if Belts Not Buckled)		•	•	•	•	•	•	•	•
Safety Belts—Color Coordinated, All Position, Includes Fixed D-Rings (Regular Cab)		•	•	•	•	•	•	•	•
Safety Belts—Color Coordinated, All Position, Includes Front Seat Adjustable D-Rings (SuperCab or Crew Cab)		•	•	•	•	•	•	•	•
Scuff Plates		•	•	•	•	•	•	•	•
Speedometer – Non Metric (MPH) – US Market		•	•	•	•	•	•	•	•
Metric Speedometer – (KPH) - Canada market		•	•	•	•	•	•	•	•
Steering Column – Tilt / Telescoping		•	•	•	•	•	•	•	•
Steering Wheel—Black PVC with integral cruise control switches, includes audio controls		•	•	•	•	•	•	•	•
Tachometer – Electric		•	•	•	•	•	•	•	•
Turn Signal—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		•	•	•	•	•	•	•	•
Automatic Head Lamps / Running Lamp Activation		•	•	•	•	•	•	•	•
Turn Signal Switch, Self-Canceling—Multifunction Switch		•	•	•	•	—	•	•	—
Turn Signal Switch, Signal Stat, Non-Canceling		—	—	—	—	•	—	—	•
Sunvisor, Single Driver—Vinyl		•	•	•	•	•	•	•	•
Sunvisor, Single Passenger—Vinyl With Mirror		•	•	•	•	•	•	•	•
12—FRONT WHEELS—TIRES									
Wheels, Front									
22.5x8.25—Steel disc, 10-hole—hub piloted, 5 hand hold, powder-coated white	643	•	•	—	—	•	•	•	•
19.5x6.75 8-Hole Steel Disc, Powder Coated White	645	—	—	•	•	—	—	—	—
Tires, Front									
11R22.5G Goodyear® Fuel Max RSA	T2B	•	•	—	—	•	•	•	•
245/70R 19.5G Hankook AH35	T9A	—	—	•	•	—	—	—	—
13—REAR WHEELS—TIRES									
Wheels, Rear									
22.5x8.25—Steel disc, 10-hole—hub piloted, 5 hand hold, powder-coated white	663	•	•	—	—	•	•	•	•
19.5x6.75 8-Hole Steel Disc, Powder Coated White	665	—	—	•	•	—	—	—	—
Tires, Rear									
11R22.5G Goodyear® Fuel Max RSA	R2B	•	•	—	—	•	•	•	•
245/70R 19.5G Hankook AH35	R9A	—	—	•	•	—	—	—	—
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), Tangerine Orange (J8), Bold Yellow (LE), Stone Gray (D1), School Bus Yellow (B1)		•	•	•	•	•	•	•	•
Chassis Color – Black		•	•	•	•	•	•	•	•
Paint Process (cab body)—Environmentally friendly, “3-Wet System”		•	•	•	•	•	•	•	•

• = Available N = Engineering restriction applies



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650						F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL	
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR	
BODYSTYLE										
Regular Cab		F6D	F6A	F6E	F6B	F6T	F7D	F7A	F7T	
Super Cab		X6D	X6A	X6E	X6B	X6T	X7D	X7A	X7T	
Crew Cab		W6D	W6A	W6E	W6B	W6T	W7D	W7A	W7T	
01- FRAME – SINGLE CHANNEL–STRAIGHT "C"										
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)	534	S	S	—	—	—	—	—	—	
Single Channel–Straight 'C' 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).	533	O	O	—	—	—	—	—	—	
Single Channel–Straight 'C' 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)	536	O	O	—	—	S	O	O	S	
Single Channel–Straight 'C' 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).	535	O	O	—	—	—	S	S	—	
Single Channel–10.75 SM, 80,000 PSI 860,000/520,000 RBM. 9.125" x 3.062" x 0.312" (231.8mm x 77.8mm x 8.0mm) w/transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm)	537	—	—	S	S	—	—	—	—	
Single Channel–Straight 'C' 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 Crew Cab and requires 281" Wheelbase.	538	*O	*O	—	—	—	O	O	—	
Single Channel–Straight 'C' 20.11 SM, 120,000 PSI 2,413,200 RBM. Heat treated alloy steel; 10.375" x 3.705" x 0.438" (263.5mm x 94.1mm x 11.1mm).	539	—	—	—	—	—	O	O	—	
FRAME REINFORCEMENT–Outer "C" Channel Reinforcement–120,000 PSI. 29.84 SM; 3,580,800 RBM (combined RBM rating). Heat treated alloy steel; 10.813" x 3.892" x 0.312"; (274.6 mm x 98.9 mm x 8.0 mm). Requires Frame 536	41R	—	—	—	—	—	O	O	—	
Frame Rail Drilling–Factory pre-drilled holes in Frame Rails to support Special Fuel Tanks for a Rough CNG/LPG Gaseous Prep Conversion. Saves time, cost, transportation while providing accuracy for the mount. Requires (98G) CNG/LPG Gaseous Fuel Prep Pack.	19C	—	O	—	—	—	—	O	—	
Frame Rail Drilling–Factory pre-drilled holes in frame rails to support aftermarket install of Hydraulic pump system for EZ-TRAC 4x4 conversion. Not available with Super Cab *Not available with 19.5 tires / wheels	19D	*O	—	—	—	—	O	—	—	
Frame Rail Drilling–Factory pre-drilled holes in frame rails to support aftermarket install of transfer case brackets for a Meritor 4x4 conversion. Not available with SUPER CAB *Not available with 19.5 tires / wheels Requires under cab exhaust (91G) Not available with FRAME REINFORCEMENT (41R) Not available with 115 dual tank (65F) Not available with 10.75 S/M-80K PSI frame (537)	19E	*O	—	—	—	—	O	—	—	
5th Wheel Frame Rail Drilling–Factory pre-drilled holes in Frame Rails supports Plates and other Mounting Equipment for Fontaine Fixed Fifth Wheels. Pre-determined and designed to fit all available tractor wheelbases regardless of Cab Style. Reduces time and expense while providing consistent accuracy for the mount.	19S	—	—	—	—	O	—	—	O	
Integral Front Frame Extension, 20" in front of grille– Requires Frame 536 on 650 Straight Frame or Frame 536, 538, 539 or 536 with 41R on 750 Straight Frame. Includes (76X) Bumper Delete and Includes Fixed Grille (86B). Available with Swept Back Front Bumper (767). Not Available with 281" WB.	532	O	O	—	—	—	O	O	—	
Bumper, Front–Full Width, Chrome Plated Steel. Included with Exterior Appearance Group (90E)	765	O/I	O/I	O/I	O/I	O/I	O/I	O/I	O/I	
Bumper, Front–Swept Back, Dark Shadow Gray Painted Steel *Not Available with Frame 538 or with 281" WB Requires 532 frame extension and 536 frame and 86B fixed grill	767	O*	O*	—	—	—	O	O	—	
Bumper, Front Delete (Standard with Front Frame Extension 532) Also Deletes the Mounting Brackets	76X	O	O	O	O	O	O	O	O	
Bumper Extension, Front – 3" Extension (Not Available with Swept Back Bumper (767)	76F	O	O	—	—	O	O	O	O	
Tow Hooks -Delete	76Y	O	O	O	O	O	O	O	O	



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
01- FRAME – SINGLE CHANNEL–STRAIGHT "C" (continued)									
Special Rating GVWR – Limited to 25,999 lb.	18D	O	O			—	O	O	—
Special Rating GVWR – Limited to 33,000 lb. GVWR, Only Available to GAWR Combinations that Exceed 33,000 lbs. Not Available when 43P Front Axle and 47X Rear Axle are used together.	18G	—	—	—	—	—	O	—	—
02 – AXLE, FRONT – SUSPENSION, FRONT									
AXLE, FRONT									
Axle, Front Non-Driving Dana D-850F 8,500 lb. Cap. (Includes Integral Power Steering)	43A	S	S	S	S	—	—	—	—
Axle, Front Non-Driving Dana E-1002I 10,000 lb. Cap. (Includes Integral Power Steering)	43N	O	O	—	—	S	S	S	S
Axle, Front Non-Driving (Dana E-1202I), I-Beam-Type, 12,000# Capacity	43P	—	—	—	—	—	O	O	O
Axle, Front Non-Driving Dana 14,000# Capacity	43D	—	—	—	—	—	O	—	O
Taper-leaf Springs, Parabolic (Includes Shock Absorbers)									
8500 lb., Parabolic Taper-Leaf Springs (Available with 43A Only)	61B	S	S	S	S	—	—	—	—
10,000 lb., Parabolic Taper Leaf Spring (Available with 43A or 43N)	61C	O	O	O	O	S	S	S	S
12,000 lb., Parabolic Taper-Leaf Springs (Available with 43N and 43P)	61D	O	O	—	—	O	O	O	O
13,200 lb., Parabolic Taper Leaf Springs (Available on 43P and 43D)	61E	—	—	—	—	—	O	O	O
14,000 lb., Parabolic Taper Leaf Springs (Available on 43D)	61F	—	—	—	—	—	O	—	O
Stabilizer Bar, Front	15S	O	O	O	O	O	O	O	O
Lube, Front Axle–EmGard 50W, Synthetic Oil	60A	O	O	O	O	O	O	O	O
03–AXLE, REAR – SUSPENSION, REAR									
13,500 lb. Dana S11-140 Single-Speed Open–Hypoid Gear	471	—	—	S	S	—	—	—	—
17,500 lb. Dana S17-140 Single-Speed Open–Gentech Quiet Gears	472	S	S	O	O	S	—	—	—
19,000 lb. Dana S19-140 Single-Speed Open–Gentech Quiet Gears	474	O	O	—	—	O	—	—	—
21,000 lb. Dana 21060S Single-Speed Open–Hypoid Gear	475	—	—	—	—	—	S	S	S
21,000 lb. Dana 21060D Single-Speed Locking–Pneumatic Driver Controlled	476	—	—	—	—	—	O	—	O
21,000 lb. Dana 21065T Two-Speed Open – Hypoid Gear	477	—	—	—	—	—	O	—	—
23,000 lb. Dana S23-172 Single-Speed Open–Hypoid Gear	479	—	—	—	—	—	O	—	O
23,000 lb. Dana S23-172D Single-Speed Locking–Pneumatic Driver Controlled	47P	—	—	—	—	—	O	—	O
26,000 lb. Dana S26-190 Single-Speed Open–Hypoid Gear (Not Available with (43N) 10,000# Front Axle)	47X	—	—	—	—	—	O	—	O
Driveshaft Upgrade	18P	O	—	O	—	O	O	—	O
MULTI-LEAF SPRINGS – VARI-RATE SUSPENSION									
15,500 lb. Cap for 13,500 lb. and 17,500 lb. Rear Axles	68K	—	—	S	S	—	—	—	—
19,000 lb. Cap for 17,500 lb. and 19,000 lb. Rear Axles (Includes 4500 lb. Auxiliary Rubber Spring)	68M	S	S	O	O	S	—	—	—
21,000 lb. Cap for 19,000 and 21,000 lb. Rear Axles (Includes 4500 lb. Auxiliary Rubber Spring)	68P	O	O	—	—	O	S	S	S
23,000 lb. Cap for 21,000 lb. and 23,000 lb. Rear Axles (Includes 4500 lb. Auxiliary Rubber Spring)	68R	—	—	—	—	—	O	O	O
31,000 lb. Cap for 23,000 lb. and 26,000 lb. Rear Axles (Includes 4500 lb. Auxiliary Rubber Spring)	68T	—	—	—	—	—	O	—	O
AIR SUSPENSION									
19,000 lb. Cap for 17,500 lb. or 19,000 lb. Rear Axles (472) or (474), 9.25" Ride Height with Single Air Suspension Leveling Valve (Requires Frame 536) Not Available with Relocated Brakes 62F *When in Combination with Frame (536) and 176WB will require the use of 67A Air Brakes. Available with Frame (538) together with 281" WB. **Not available with 146WB	68E	O*	—	—	—	O**	—	—	—
21,000 lb. Cap for 19,000 lb. Rear Axles, 9.25" Ride Height with single air suspension leveling valve (NA with Frames 533 and 534) Not Available with relocated brakes 62F *When in combination with Frame (536) and 176WB will require the use of 67A Airbrakes. **Not available with 146WB ***For Rear Axle Codes 475, 476 and 477	68B	O*	—	—	—	O**	O***	—	O**



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650						F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL	
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR	
AIR SUSPENSION (CONTINUED)										
12,000 lb. Single Axle Air Suspension, 5.3" Ride Height, Includes Rear Shocks (Requires 471)	68C	—	—	O	—	—	—	—	—	
19,000 lb. Cap Single Air Ride Suspension, 5.3" Ride Height, Includes Rear Shocks (Requires 472)	68D	—	—	O	—	—	—	—	—	
23,000 lb. Cap, 9.25" Ride Height with Single Air Suspension Leveling Valve; Not Available with relocated brakes 62F or 47X (26K Rear Axle) also N/A with 146" WB	68F	—	—	—	—	—	O	—	O	
Air Suspension Dump Valve	68Z	O	—	O	—	O	O	—	O	
Air Suspension Leveling Valve—Dual Height, 1 Additional for Air Ride Suspension	68Y	O	—	O	—	O	O	—	O	
SHOCKS AND LUBRICATION										
Shock Absorbers, Rear—Double Acting (Included in Air Ride Suspension) Not Available with Relocated Brake Chambers 62F	961	O	O	O	O	O	O	O	O	
Lube, Rear Axle—EmGard 75W-90, Synthetic Oil	607	O	O	O	O	O	O	O	O	
04 – BRAKES – BRAKE EQUIPMENT										
Air Brakes with Traction Control—Straight Truck with 16.5"x7.0" / 15.0"x8.63" Rear Pads—22.5" / 19.5" Wheels; Meritor Q-Plus with ABS (Bendix Anti-Lock Brake System) (4-Channel) (Includes 15" x 4" Front Brakes, Dual Direct Reading Air Pressure Gauges, Brake Lines Color Coded Nylon, Bendix 13.2 CFM Capacity Air Compressor, Instrument Panel Mounted Yellow Knob Parking Brake Control Valve, Automatic Slack Adjusters Front and Rear, Two Rear Spring Parking Air Brake Chambers Mounted on Front of Rear Axle, Three Drain Valve(s) and Two Air Tanks. (Not recommended with Hi-Rail Train System applications) Required when using Electronic Stability Control (18H) Includes 62D Air Dryer (Bendix AD/IS) with Heater—Mounted Inboard Left Frame Rail	67A	O	—	O	—	S	O	—	S	
Electronic Stability Control: For Air Brakes: Not Available with Trailer Air Brake Package (158). Requires the selection of a Special Build Requirement sales code (listed below) for the Final Upfit center of gravity is <u>necessary</u> . Note: Do not add ESC on an air brake system without knowing final upfit intention and center of gravity. For Hydraulic Brakes: Special Build sales code in support of adding ESC (listed below) is <u>not necessary for hydraulic brake units</u> .	18H	O*	O*	O	O*	S	O*	O*	S	
Special Build Requirement—LOW—38" to 48" Center of Gravity (Requires 18H and 67A)	98B	O	—	O	—	—	O	—	—	
Special Build Requirement—MEDIUM—48" to 58" Center of Gravity (Requires 18H and 67A)	98C	O	—	O	—	—	O	—	—	
Special Build Requirement —HIGH—58"—68" Center of Gravity (Requires 18H and 67A)	98E	O	—	O	—	—	O	—	—	
Special Build Requirement- TANKER HIGH—58" to 68" Center of Gravity (Requires 18H and 67A)	98F	O	—	O	—	—	O	—	—	
Special Build Requirement—TANKER MEDIUM—48" to 58" Center of Gravity (Requires 18H and 67A)	98J	O	—	O	—	—	O	—	—	
Air Brake Chambers, Spring—Relocated to Rear of Rear Axle for Maximum Ground Clearance Not available with 961 Rear Shock Absorbers *(Standard with 158" and 176" WB Regular Cab when Air Brakes [67A] are ordered with 91B Torpedo-style exhaust—Not Available with Hydraulic Brakes) (Not Available with Air Ride Suspensions) ** Required with 158" WB Regular Cab or 167" WB Super Cab when using 91B Torpedo-style Exhaust	62F	O*	—	—	—	O**	O*	—	O**	
Air Dryer (Bendix AD/IS) with Heater—Mounted Left Frame Rail (for Hydraulic brake diesel applications that include air suspension or stand alone engine air compressor)	62D	O	—	O	—	—	O	—	—	
Air Dryer (Bendix® AD/IS) with heater—Alternate Mount outside the left Frame rail as close to cab as available. Requires Regular Cab, Requires Standard 50 gal tank. Requires 67A Air Brakes.	62H	O	—	—	—	—	O	—	—	
Trailer Connection Socket – Hydraulic Brake – Combinbed Stop / Turn lamp wiring; 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 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.	152	*O	*O	O	O	—	O	O	—	



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650				F-750			
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
04 – BRAKES – BRAKE EQUIPMENT (continued)									
Trailer Connection Socket – Hydraulic Brake – Separate Stop / Turn lamp wiring; 7-way –Mounted at Rear of Frame For Separate Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit (Available with Hydraulic Brake Straight Truck) Available with (59D) Separate Back of Cab Body Builder Wiring or available with (59E) Separate End of Frame Body Builder Wiring. *Not Available with 281" WB.	154	*O	*O	O	O	—	O	O	—
Trailer Air Brake Package—Includes Air Lines to rear of frame, Hand Control Valve and Tractor Protection Valve (Requires Trailer Connection Socket 7-Way, Code 159 or 157) (Requires Air Brakes). Not Available with Electronic Stability Control (18H)	158	O	—	O	—	—	O	—	—
Trailer Connection Socket – Air Brake – Comined Stop / Turn lamp wiring; 7-way—Mounted at Rear of Frame, for Combined Trailer Stop, Tail, Turn; Available with Air 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 Electronic Stability Control (18H) *Not Available with 281" WB	159	*O	—	O	—	—	O	—	—
Trailer Connection Socket – Air Brake – Sperate Stop / Turn lamp wiring; 7-way –Mounted at Rear of Frame, for Separate Trailer Stop, Tail, Turn, Marker Light Circuits; Compatible with Trailers that have Amber or Side Turn Lights with Separate Stop/Turn wiring. Available with Air Brakes Straight Truck. Available with (59D) Back of Cab Body Builder Wiring or available with (59E) Separate End of Frame Body Builder Wiring. Not Available with Electronic Stability Control (18H) *Not Available with 281" WB	157	O*	—	O	—	—	O	—	—
05 – ENGINES – ENGINE EQUIPMENT									
6.7L Power Stroke® V8 Turbo Diesel 270 Horsepower @ 2400 RPM, 700 lb.-ft. Torque @ 1500 RPM	99C	S	—	S	—	S	S	—	S
6.7L Power Stroke® V8 Turbo Diesel 300 Horsepower @ 2500 RPM, 725 lb.-ft. Torque @ 1500 RPM	99E	O	—	O	—	O	O	—	O
6.7L Power Stroke® V8 Turbo Diesel 330 Horsepower @ 2600 RPM, 750 lb.-ft. Torque @ 1500 RPM	99X	O	—	O	—	O	O	—	O
7.3L 2V DEVCT NA PFI V8 GAS – 468 ft-lbs @ 3900 rpm, and 350 hp @ 3900 rpm	99N	—	S	—	S	—	—	S	—
Air Compressor Bendix—13.2 CFM Capacity – Required stand-alone air source with options that require air source with Hydraulic Brakes Required with seats 88N, 88P, 88G, 88H, 88E, 88F, 88T, 88U when ordered without air suspension or air brakes. *Required with Air Suspension 68E and 68B, when using Hydraulic Brakes. **Required with Air Suspension 68C and 68D, when using Hydraulic Brakes ***Required with Air Suspension 68B and 68F, when using Hydraulic Brakes.	62G	O*	—	O**	—	—	O***	—	—
Engine Block Heater (Phillips) (120 Volt/750 Watt)	41H	O	O	O	O	O	O	O	O
Active Regen Control – Allows Driver to Inhibit Automatic Regen until Regen can be performed in a Safe location.	98R	O	—	O	—	O	O	—	O
Gaseous Fuel Prep Pack—CNG/LPG Engine Prep, Includes Hardened Engine Intake Valves, Exhaust Valves 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.	98G	—	O	—	O	—	—	O	—
Speed Limiter—65 mph	916	O	O	O	O	O	O	O	O
Speed Limiter—70 mph	917	O	O	O	O	O	O	O	O
Timer—Engine Idle Shutdown, 5 minutes	94A	O	O	O	O	O	O	O	O
Timer—Engine Idle Shutdown, 10 minutes	94B	O	O	O	O	O	O	O	O
Timer—Engine Idle Shutdown, 15 minutes	94C	O	O	O	O	O	O	O	O
Timer—Engine Idle Shutdown, 20 minutes	94D	O	O	O	O	O	O	O	O



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650						F-750		
		DIESEL		GAS		DIESEL	GAS	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR	
06 – TRANSMISSION										
Transmission Power Take Off Provision with LiveDrive Capability (Diesel Engine) and Tow/Haul	41A	O	—	O	—	O	O	—	O	
Transmission Power Take Off Provision with LiveDrive Capability (Gasoline Engine) and Tow/Haul	41B	—	O	—	O	—	—	O	—	
07 – EXHAUST										
Exhaust System—Single Horizontal Muffler, Catalytic Converter, Frame-Mounted, Right-Hand, Back of Cab, Between Frame Rails. Downward Facing Outlet Tip	91H	—	S	—	S	—	—	S	—	
Exhaust System—Switchback-Style Under Cab Outside Frame Rails, Right Side Outlet—Single, Horizontal Muffler, Rear Facing Downward Discharge *Not Available with 146" WB	91G	S	—	S	—	S*	S	—	S*	
Exhaust System—Torpedo-Style Back Of Cab, Right-Side Outlet—Single, Horizontal Muffler/Pipe, Inline, Right-Side Exhaust with Underbody Exit in Front of Axle Not Available with Hydraulic Brakes 158" or 176"WB Regular Cab.	91B	O	—	O	—	O	O	—	O	
Exhaust System—Switchback-Style Under Cab, Vertical Outlet, Right Side—Single, Horizontal Muffler, Right Side, Under Cab, Outside of Frame Rail with Vertical Exhaust, Passenger Side Rear Corner with Heat Shield and Turn-Out—Not Available with 54F Trailer Tow mirror Intrudes 2" into clean CA *Required when using the 146" WB	91D	O	—	O	—	O*	O	—	O	
08 – ELECTRICAL – ALTERNATOR–BATTERY										
ALTERNATOR (12-VOLT)										
Dual Heavy Duty Alternators—357 Amp. Capacity (200+157 Amp Alternators) Denso SC5/SC2	17D	O	—	O	—	O	O	—	O	
Dual Heavy Duty Alternators—397 Amp. Capacity (240+157 Amp Alternators)	17B	—	O	—	O	—	—	O	—	
Alternator—Extra Heavy Duty 12-volt, 240-amp.	17A	O	—	O	—	O	O	—	O	
Alternator—Extra/Extra Heavy Duty 12-volt, 240-amp. Not Available with Air Conditioner Delete (57N)	17E	—	O	—	O	—	—	O	—	
Jump Start Stud—Remote Mounted (Not Available with Temporary Mount batteries)	55M	O	O	O	O	O	O	O	O	
BATTERY (12-VOLT)										
Battery, 12-volt, Motorcraft (includes steel battery box)										
Single, 900 CCA		—	S	—	S	—	—	S	—	
Two, 750 CCA (1500 CCA Total)		S	—	S	—	S	S	—	S	
Two, 900 CCA (1800 CCA Total)	63B	O	O	O	O	O	O	O	O	
Three, 900 CCA (2700 CCA Total)	63D	O	—	O	—	O	O	—	O	
Temporary Battery Mount for Chassis Truck—Available with 63B or 63D—Requires Dual Heavy Duty Alternators (17D)	63Y	O	—	O	—	—	O	—	—	
Roof Marker/Clearance Lights—Clear Lenses, Amber Bulbs, 5 Lights Note: Cab is equipped with amber lens with clear bulb lamps standard. Use this option for clear lense fleet requirements.	164	O	O	O	O	O	O	O	O	
Roof Marker/Clearance Lights—Delete—(For Airport or Applications that Receive Modified Roof Coverings)	16X	O	O	O	O	—	O	O	—	
Tail Lights Delete—Deletes Stop, Turn, Tail and Backup Lights (Does Not Omit Cable to End of Frame)	55X	O	O	O	O	—	O	O	—	
BODY BUILDER WIRING										
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, Back Up Lamps) (Also Includes 2 Additional Pass Through Wires to Cab) (Available with Hydraulic Brakes or Air Brakes) *Not Available with (154) Hydraulic Brake Trailer Connection **Not available with (157) Air Brake Trailer Connection		S**	S*	S**	S*	—	S**	S*	—	
Body Builder Wiring—At End of Frame (Includes Sealed Connectors for 2 Ground Circuits with Combined Left/Stop, Combined Right/Stop, Stop Lamps*, Back Up Lamps) (Also Includes 2 Additional Pass Through Wires to Cab). *Not Available with (19B) Beverage Package or (154) Hydraulic Brake Trailer Connection **Not available with (157) Air Brake Trailer Connection	59C	O**	O*	O**	O*	—	O**	O*	—	



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

	F-650						F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
08 – ELECTRICAL (continued)									
Body Builder Wiring—At Back of Cab Includes Sealed Connectors for 2 Ground Circuits, with Separate Left/Stop, Separate Right/Stop, Stop Lamps, Backup Lamps) (Also Includes 2 Additional Pass Through Wires to Cab) *Not Available with (19B) Beverage Package or (152) Hydraulic Brake Trailer Connection **Not availabel with (159) Air Brake Trailer Connection	59D	O**	O*	O**	O*	—	O**	O*	—
Body Builder Wiring—At End of Frame (Includes Sealed Connectors for 2 Ground Circuits, with Separate Left/Stop, Separate Right/Stop, Stop Lamps, Backup Lamps) (Also Includes 2 Additional Pass Through Wires to Cab) *Not Available with (19B) Beverage Package or (152) Hydraulic Brake Trailer Connection **Not availabel with (159) Air Brake Trailer Connection	59E	O**	O*	O**	O*	—	O**	O*	—
Back-up Alarm—Electric, 102 dBA – Late Availability with Tail Light Delete (55X)	17M	O	O	O	O	O	O	O	O
Voltmeter	16V	O	O	O	O	O	O	O	O
Daytime Running Lamps	962	O	O	O	O	O	O	O	O
Upfitter Interface Module	86M	O	O	O	O	O	O	O	O
09—FUEL TANKS									
GASOLINE ENGINE									
50-U.S. GALLON – Single, Left-hand, Steel (Regular Cab and SuperCab Only)	65A	—	S	—	S	—	—	S	—
65-U.S. GALLON – Single, Left-hand, Steel (Standard on Crew Cab)	65D	—	S/O	—	S/O	—	—	S/O	—
DIESEL ENGINE									
50-U.S. GALLON—Left-hand, aluminum, rectangular (Regular Cab Only)	65B	S	—	S	—	S	S	—	S
65-U.S. GALLON—Left-hand, aluminum, rectangular (Standard on SuperCab and Crew Cab Only; Optional on Regular Cab Only)	65E	S/O	—	S/O	—	S/O	S/O	—	S/O
55-U.S. GALLON—Left-hand, aluminum, rectangular (Regular Cab Only) Not Available with 19.5" Wheels/Tires	65C	O	—	—	—	O	O	—	O
115-U.S. GALLON—Left-hand 65-gal.; right-hand 50-gal., aluminum, rectangular	65F	O	—	O	—	—	O	—	—
10—SEATS									
30/0/30—Fixed Driver and Fixed Passenger with Console—Vinyl	88A	S	S	S	S	S	S	S	S
30/0/30—Fixed Driver and Fixed Passenger with Console—Cloth	88B	O	O	O	O	O	O	O	O
30/70—Fixed Driver and Fixed 2-Passenger Bench—Vinyl	881	O	O	O	O	O	O	O	O
30/70—Fixed Driver and Fixed 2-Passenger Bench—Cloth	882	O	O	O	O	O	O	O	O
30/0/0—Fixed Driver only—Vinyl	88C	O	O	O	O	O	O	O	O
30/0/0—Fixed Driver only—Cloth	88D	O	O	O	O	O	O	O	O
30/0/30—Air Ride Driver (integral air pump) and Fixed Passenger with Console—Vinyl Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88R	O	O	O	O	—	O	O	—
30/0/30—Air Ride Driver (integral air pump) and Fixed Passenger with Console—Cloth Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88S	O	O	O	O	—	O	O	—
30/70—Air Ride Driver (integral air pump) and Fixed 2-Passenger Bench – Vinyl Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88L	O	O	O	O	—	O	O	—
30/70—Air Ride Driver (integral air pump) and Fixed 2-Passenger Bench – Cloth Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88M	O	O	O	O	—	O	O	—



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)	PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR	
10-SEATS (Continued)									
30/0/30–Air Ride Driver (integral air pump) and Air Ride Passenger (integral air pump) with Consolette – Vinyl Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88J	O	O	O	O	—	O	O	—
30/0/30–Air Ride Driver (integral air pump) and Air Ride Passenger (integral air pump) with Consolette – Cloth Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88K	O	O	O	O	—	O	O	—
30/0/0–Air Ride Driver only (integral air pump) – Vinyl Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88W	O	O	O	O	—	O	O	—
30/0/0–Air Ride Driver only (integral air pump) – Cloth Not Available with SuperCab Not Available with Air Ride, Air Brakes or Air Compressor (62G)	88X	O	O	O	O	—	O	O	—
30/0/30–Air Ride Driver (external air source) and Fixed Passenger with Consolette – Vinyl Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88N	O	—	O	—	O	O	—	O
30/0/30–Air Ride Driver (external air source) and Fixed Passenger with Consolette – Cloth Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88P	O	—	O	—	O	O	—	O
30/70–Air Ride Driver (external air source) and Fixed 2-Passenger Bench – Vinyl Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88G	O	—	O	—	O	O	—	O
30/70–Air Ride Driver (external air source) and Fixed 2-Passenger Bench – Cloth Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88H	O	—	O	—	O	O	—	O
30/0/30–Air Ride Driver (external air source) and Air Ride Passenger (external air source) with Consolette – Vinyl Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88E	O	—	O	—	O	O	—	O
30/0/30–Air Ride Driver (external air source) and Air Ride Passenger (external air source) with Consolette – Cloth Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88F	O	—	O	—	O	O	—	O
30/0/0–Air Ride Driver only (external air source) – Vinyl Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88T	O	—	O	—	O	O	—	O
30/0/0–Air Ride Driver only (external air source) – Cloth Not Available with SuperCab Requires either Air Ride, Air Brakes or Air Compressor (62G)	88U	O	—	O	—	O	O	—	O
40/20/40–Fixed Driver and Fixed Passenger with unique 20% Fold-Down Console–Vinyl	88Y	O	O	O	O	O	O	O	O
40/20/40–Fixed Driver and Fixed Passenger with unique 20% Fold-Down Console–Cloth	88Z	O	O	O	O	O	O	O	O
SUPERCAB OR CREW CAB–REAR SEAT									
Rear Seat–Delete	87X	O	O	O	O	O	O	O	O



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
11 – CAB EQUIPMENT									
SAFETY / FUNCTIONAL									
Driver Assist Technology Package. Hydraulic Brake. Includes Autonomous Emergency Braking, Forward Collision Warning, Lane Departure Warning, Auto High Beam Control Requires ESC (18H) Not available with Radio Delete (58B) or Radio Prep Package (58P) Not available with 20" frame extension (532) or bumper delete (76X)	87H	O	O	O	O	—	O	O	—
Driver Assist Technology Package Air Brake. (w/Bendix Wingman Advanced™). Includes Autonomous Emergency Braking, Forward Collision Warning, Lane Departure Warning, Adaptive Cruise Control, Auto High Beam Control Requires ESC (18H) Not available with Radio Delete (58B) or Radio Prep Package (58P) Not available with 20" frame extension (532) or bumper delete (76X)	87A	O	—	O	—	O	O	—	O
INTERIOR APPEARANCE GROUP									
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)	90A	O	O	O	O	O	O	O	O
INTERIOR									
Window, Rear—Sliding	92S	O	O	O	O	O	O	O	O
Air Conditioning, Delete—Fresh Air Heater and Defroster Only (Not Available with Heated or Motorized Mirrors)	57N	O	O	O	O	O	O	O	O
4 Body Builder Switches—I/P Mounted Center; amperages vary by switch: 10, 15, 25, 25	59F	S	O	S	O	S	S	O	S
Rapid-Heat Supplemental Cab Heater (Optional in all states with 6.7L Power Stroke® Diesel engine) Requires Air Conditioning Required with Canada and these states Alaska, Colorado, Idaho, Iowa, Maine, Michigan, Minnesota, Montana, New Hampshire, New York, North Dakota, South Dakota, Vermont, Wisconsin, Wyoming	86H	O	—	O	—	O	O	—	O
Cup Holder—Instrument Panel Mounted, Pull out Cup Holder for two cups. (Not Available with Air Brakes) (Not available with 110 A/C Outlet 55P)	96C	O	O	O	O	—	O	O	—
CNG/LNG Gauge Cluster—Eliminates confusing settings from gauge cluster, due to new fuel tanks being used.(Specifically Distance to Empty for Fuel, and Average Fuel Economy) Requires (98G) CNG/LPG Gaseous Fuel Prep Pack.	92C	—	O	—	—	—	—	O	—
110 A/C Outlet—In Lower Center Finish Panel *Requires 59F 4 Body Builders Switches)	55P	O	O*	O	O*	O	O	O*	O
4 speaker option for 588 radio	214	O	O	O	O	O	O	O	O
Radio Prep Package—Deletes radio and dash-mounted aux input jack. Includes radio/speaker wiring, 2 speakers, antenna, radio instrument panel cover and dash-mounted aux audio input jack instrument panel cover	58P	O	O	O	O	O	O	O	O
Radio Delete Package—Deletes radio, speakers, antenna and antenna cable. Includes radio instrument panel cover and aux audio jack cover and speaker locations for future radio upfit if owner desires	58B	O	O	O	O	O	O	O	O
Keyed Alike—Not Available with Anti-Theft System (85A); requires multiple-unit order (N/A with 85K)	85B	O	O	O	O	O	O	O	O
Keyed Alike—Option #1 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	85L	O	O	O	O	O	O	O	O
Keyed Alike—Option #2 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	85M	O	O	O	O	O	O	O	O
Keyed Alike—Option #3 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	85N	O	O	O	O	O	O	O	O
Keyed Alike—Option #4 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	85P	O	O	O	O	O	O	O	O
Remote Keyless Entry—Requires Power Equipment Group (90P). Includes Two Key Fobs (requires 85A Anti-Theft System)	85K	O	O	O	O	O	O	O	O
Interior Rear View Mirror	90M	O	O	O	O	O	O	O	O
Hidden Fuse for Odometer Tamper-proofing	94T	O	O	O	O	O	O	O	O



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
11 – CAB EQUIPMENT (continued)									
EXTERIOR									
Exterior Appearance Group—Includes (765) Full-Width Chrome-Plated Front Bumper and Chromed Fender Badge and (86C) Chrome Grille Surround	90E	O	O	O	O	O	O	O	O
Anti-Theft System (Requires 85K Remote Keyless Entry)	85A	O	O	O	O	O	O	O	O
Grille—Chrome Surround (Included in Exterior Appearance Group 90E)	86C	O/I	O/I	O/I	O/I	O/I	O/I	O/I	O/I
Grille, Fixed—Black/Grey (Included with Front Frame Extension 532)	86B	O/I	O/I	O	O	O	O/I	O/I	O
Horn, Air—Black, Single Trumpet, Air Solenoid Operated, Chassis Mounted on rail back of Bumper	59A	O	—	O	—	O	O	—	O
Mirrors, Heated—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 96" Width, Manual Fold, Solid Black Finish	54M	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 with Integral Spot Mirror, Sail Type, 96" Width, Heated and Motorized, Solid Black Finish (Requires Power Equipment Group, 90P)	54P	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 96" Width, Manual Fold, Chrome Cap	54B	O	O	O	O	O	O	O	O
Mirrors, Heated—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 96" Width, Manual Fold, Chrome Cap	54N	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 with Integral Spot Mirror, Sail Type, 96" Width, Heated and Motorized, Chrome Cap (Requires Power Equipment Group, 90P)	54A	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 102" Width, Manual Fold, Solid Black Finish	54J	O	O	O	O	O	O	O	O
Mirrors, Heated—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 102" Width, Manual Fold, Solid Black Finish	54C	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 with Integral Spot Mirror, Sail Type, 102" Width, Heated and Motorized, Solid Black Finish (Requires Power Equipment Group, 90P)	54R	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 102" Width, Manual Fold, Chrome Cap	54D	O	O	O	O	O	O	O	O
Mirrors, Heated—Dual Rectangular XL2020 Integral Spot Mirror, Sail Type, 102" Width, Manual Fold, Chrome Cap	54E	O	O	O	O	O	O	O	O
Mirrors—Dual Rectangular XL2020 with Integral Spot Mirror, Sail Type, 102" Width, Heated and Motorized, Chrome Cap (Requires Power Equipment Group, 90P)	54K	O	O	O	O	O	O	O	O
Mirrors, Trailer Tow, Powered—Power Telescoping, Power Folding with Power Heated Glass, Heated Convex spotter & Integrated Clearance Lights / Turn Signals (Sail Mount) (Requires Power Equipment Group, 90P) (Heat controls Dash Mounted). Not Available with Vertical Exhaust (91D)	54F	O	O	O	O	O	O	O	O
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	90P	O/I	O/I	O/I	O/I	O/I	O/I	O/I	O/I
Aux Spot Mirrors—Front Fender Mounted—(2) Driver Side and Passenger Side	63F	O	O	O	O	O	O	O	O
Aux Spot Mirror—Front Fender Mounted—(1) Passenger Side Only	63G	O	O	O	O	O	O	O	O
Mud Flaps Holder without Flaps	165	O	O	O	O	O	O	O	O
Mud Flap Holder with Flaps *Available with 22.5" Wheels Only	166	O*	O*	—	—	O	O	O	O



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
12-FRONT WHEELS – HUB PILOT MOUNT									
22.5" X 8.25 Aluminum wheels, 10-hole Alcoa® Bright Polished w/Dura-Bright® seal on both sides	64H	O	O	—	—	O	O	O	O
19.5x6.75, White Powder-Coated Steel, 8-Hole *Not Available with Air Brakes	645	O	O	*S	S	—	—	—	—
19.5x7.50, White Powder-Coated Steel, 10-Hole Not Available with Hydraulic Brakes Not Available with 10K Front Axle (43N)	646	O	—	O	—	—	—	—	—
19.5x7.50, Aluminum Wheels, 10-Hole Alcoa® bright polished w/Dura-Bright® seal on both sides Requires Air Brakes	64D	O	—	O	—	—	—	—	—
19.5x6.75, Aluminum wheels, 8-hole, Alcoa® Clean Buff w/Dura-Bright® seal on both sides Requires 668 *Not available with Air Brakes	648	O	O	*O	O	—	—	—	—
22.5x8.25, Black Wheel Requires (669)	649	O	O	—	—	O	O	O	O
13-REAR WHEELS – HUB PILOT MOUNT									
22.5" X 8.25 Aluminum wheels, 10-hole Alcoa® Bright Polished w/Dura-Bright® seal on both sides, outside mount, with white steel wheels inside mount. Requires 64H	66H	O	O	—	—	O	O	O	O
22.5" X 8.25 DRW Aluminum wheels, 10-hole Alcoa® Bright Polished w/Dura-Bright® seal on both sides - Inside and outside mount aluminium Requires 64H	66C	O	O	—	—	O	O	O	O
19.5" X 7.5" Aluminum wheels, 10-hole Alcoa® Bright Polished w/Dura-Bright® seal on both sides Requires Air Brakes. Requires (64D).	66D	O		O					
19.5" X 7.5" DRW Aluminum wheels, 10-hole Alcoa® Bright Polished w/Dura-Bright® seal on both sides - Inside and outside mount aluminium Requires Air Brakes. Requires (64D).	66B	O		O					
19.5x6.75, White Powder-Coated Steel, 8-Hole Not Available with Air Brakes	665	O	O	S	S	—	—	—	—
19.5x7.50, White Powder-Coated Steel, 10-Hole Not Available with Hydraulic Brakes	666	O	—	O	—	—	—	—	—
19.5x6.75, Aluminum wheels, 8-hole, Alcoa® Clean Buff w/Dura-Bright® seal on both sides Not available with Air Brakes Requires (648)	668	O	O	O	O	—	—	—	—
19.5x6.75, DRW Aluminum wheels, 8-hole, Alcoa® Clean Buff w/Dura-Bright® seal on both sides - Inside and outside mount aluminium Not available with Air Brakes Requires (648)	66A	O	O	O	O	—	—	—	—
22.5x8.25, Black Wheel, Requires (649)	669	O	O	—	—	O	O	O	O
13A-SPARE WHEELS (rim only) – One Only									
19.5x6.75, 8-hole	60W	O	O	O	O	—	—	—	—
19.5x7.5, 10-hole Not Available with 10K Front Axle (43N)	60X	O	—	O	—	—	—	—	—
22.5x8.25, White Powder-Coated Steel, 10-Hole. Not Available with 649/669 Black Wheels	60Z	O	O	—	—	—	O	O	—
14 – PAINT									
Body Color Available—Body Color Available—Agate Black (UM), Oxford White (YZ), Ingot Silver (UX), Magnetic (J7), Race Red (PQ), Blue Jeans (N1), Green Gem (W6), Tanger Orange (J8), Bold Yellow (LE), Stone Gray (D1), School Bus Yellow (B1)		O	O	O	O	O	O	O	O
15-MISCELLANEOUS									
Ambulance Prep Package—Special EPA Calibration approved for special Emergency vehicles. System includes (17D) Dual Heavy Duty Alternators @ 357 Amps. Total, and (63D) 3-900CCA Battery System for 2700 Total CCA output	19A	O	—	O	—	—	O	—	—
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 Builder Wiring.	19B	O	O	—	—	—	O	O	—
Fire/Rescue Prep Package—Special EPA Calibration approved for special Emergency vehicles. System includes (17D) Dual Heavy Duty Alternators @ 357 Amps. Total, and (63D) 3-900CCA Battery System for 2700 Total CCA output	19F	O	—	O	—	—	O	—	—



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
Pre-Delivery Inspection – Selection requires that you also choose either (314) or (31F) or (31V) to have Pre-Delivery Inspection Performed Required with any final Ship To that is not a dealer.	21A	O	O	O	O	O	O	O	O
Ship-Thru Manning – MAY be selected without adding (21A) for a MODIFICATIONS ONLY – Dealer must make arrangements directly with Manning (please use CVT Resources for additional information)	314	O	O	O	O	O	O	O	O
Ship-Thru NFS National Fleet Services – MAY be selected without adding (21A) for MODIFICATIONS ONLY – Dealer must make arrangements directly with NFS (please use CVT Resources for additional information)	31F	O	O	O	O	O	O	O	O

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
15-MISCELLANEOUS (continued)									
Ship-Thru Fontaine Vocational Services for Tractors – MAY be selected without adding (21A) for MODIFICATIONS ONLY – Dealer must make arrangements directly with Fontaine (please use CVT Resources for additional information)	31V	O	O	O	O	O	O	O	O
COV Required - Send a paper Certificate of Origin for a Vehicle (COV) for those states that file electronically - CA or MI	79V	O	O	O	O	O	O	O	O
16-TIRES									
22.5 Tires, Front (Requires 22.5 Wheel)									
11R22.5G Goodyear® Fuel Max RSA (497 rev/mile) Requires either: R2B, R2G, R2A, R2H	T2B	S	S	—	—	S	S	S	S
11R22.5H Goodyear Fuel MAX RSA (497 rev/mile) Requires either: R2A, R2H, R2B, R2G	T2A	O	O	—	—	O	O	O	O
11R22.5H Michelin X Multi Energy Z (501 rev/mile) Requires either: R2E, RMB	T2E	O	O	—	—	O	O	O	O
255/70R22.5H Goodyear Endurance RSA (566 rev/mile) Requires either: RCH, R2K Not available with 14,000# front axle (43D)	TCH	O	O	—	—	O	O	O	O
275/80R22.5G Michelin X Multi Energy Z (515 rev/mile) Requires either: R2F, R2J Not available with 23,000# rear axle (479 or 47P) or 26,000# rear axle (47X)	T2F	O	O	—	—	O	O	O	O
275/80R22.5H Hankook AH22 (510 rev/mile) Requires either: RFA	TFA	O	O	—	—	O	O	O	O
295/75R22.5H Continental HA3 (514 rev/mile) Requires: RRA, RRC	TRA	O	O	—	—	O	O	O	O
295/80R22.5H Continental HSR2 SA (514 rev/mile) Requires either: RDG, R2H, RMB, R2G	TDG	—	—	—	—	—	O	O	O
19.5 Tires, Front (Requires 19.5 Wheel)									
245/70R 19.5G Hankook AH35 (628 rev/mile) Requires either: R9A, R9C Not available with 19,000# rear axle (474)	T9A	O	O	S	S	—	—	—	—
245/70R19.5H Michelin XZE (619 rev/mile) Requires: RGK Not available with 19,000# rear axle (474)	TGK	O	O	O	O	—	—	—	—
245/70R19.5H Hankook AH35 (628 rev/mile) Requires either: R9E, R9F Not available with 19,000# rear axle (474)	T9F	O	O	O	O	—	—	—	—
265/70R19.5G Hankook AH35 (613 rev/mile) Requires either: R9B, R9D	T9B	O	O	O	O	—	—	—	—
22.5 Tires, Rear (Requires 22.5 Wheel)									
11R22.5G Goodyear® Fuel Max RSA (497 rev/mile) Requires either: T2B, T2A	R2B	S	S	—	—	S	S	S	S
11R22.5H Goodyear Fuel Max RSA (497 rev/mile) Requires either: T2B, T2A	R2A	O	O	—	—	O	O	O	O
11R22.5G Goodyear Fuel Max RTD (493 rev/mile) Requires either: T2A, T2B, TDG	R2G	O	O	—	—	O	O	O	O
11R22.5H Goodyear Fuel Max RTD (493 rev/mile) Requires either: T2B, T2A, TDG	R2H	O	O	—	—	O	O	O	O
11R22.5H Michelin X Multi Energy Z (501 rev/mile) Requires either: T2E	R2E	O	O	—	—	O	O	O	O
11R22.5H Michelin X Multi D (494 rev/mile) Requires either: T2E, TDG	RMB	O	O	—	—	O	O	O	O
255/70R22.5H Goodyear Fuel Max RTD (563 rev/mile) Requires: TCH	R2K	O	O	—	—	O	O	O	O
255/70R22.5H Goodyear Fuel MAX RSA (563 rev/mile) Requires: TCH	RCH	O	O	—	—	O	O	O	O



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
275/80R22.5G Michelin X Multi Energy D (514 rev/mile) Requires: T2F	R2J	O	O	—	—	O	O	O	O
275/80R22.5G Michelin X Multi Energy Z (515 rev/mile) Requires: T2F	R2F	O	O	—	—	O	O	O	O
275/80R22.5H Hankook AH22 (510 rev/mile) Requires: TFA	RFA	O	O	—	—	O	O	O	O
295/80R22.5H Continental HSR2 SA (500 rev/mile) Requires: TDG	RDG	—	—	—	—	—	O	—O	O
295/75R22.5H Continental HDR2 (514 rev/mile) Requires: TRA	RRC	O	O	—	—	O	O	O	O
295/75R22.5H Continental HA3 (514 rev/mile) Requires: TRA	RRA	O	O	—	—	O	O	O	O
19.5 Tires, Rear									
245/70R19.5G Hankook AH35 (621 rev/mile) Requires: T9A	R9A	O	O	S	S	—	—	—	—
245/70R19.5G Hankook DH35 (632 rev/mile) Requires: T9A	R9C	O	O	O	O	—	—	—	—

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
16 – TIRES (continued)									
265/70R19.5G Hankook AH35 (613 rev/mile) Requires: T9B	R9B	O	O	O	O	—	—	—	—
265/70R19.5G Hankook DH35 (614 rev/mile) Requires: T9B	R9D	O	O	O	O	—	—	—	—
245/70R19.5H Hankook AH35 (621 rev/mile) Requires T9F	R9F	O	O	O	O	—	—	—	—
245/70R19.5H Hankook DH35 (632 rev/mile) Requires: T9F	R9E	O	O	O	O	—	—	—	—
245/70R19.5H Michelin XZE (619 rev/mile) Requires: TGK	RGK	O	O	O	O	—	—	—	—

AXLE RATIOS									
4.10—Available with axle: 471, 472, 474 * Requires: 19.5 wheels / tires	X4A	*O	—	O	—	—	—	—	—
4.56—Available with axle: 471, 472, 474 * Available with 19.5 or 22.5 tires	X4S	*O	—	O	—	O	—	—	—
4.63—Available with axle: 475, 476	X4E	—	—	—	—	—	O	—	O
4.78—Available with axle: 479, 47P	X4F	—	—	—	—	—	O	—	O
4.88—Available with axle: 471, 472, 474, 475, 476, 47P	X4G	O	—	O	—	O	O	—	O
5.25—Available with axle: 479, 47P	X5F	—	—	—	—	—	O	—	O
5.29—Available with axle: 471, 472, 474, 475, 476 * Available with 19.5 tires only	X5B	O	*O	O	O	O	O	—	O
5.57—Available with axle: 471, 472, 474, 475, 479, 47X, 476, 47P * Available with 19.5 tires only	X5D	O	*O	O	O	O	O	—	O
6.14—Available with axle: 472, 474, 479, 47P * Available with 22.5 tires only	X6A	O	*O	—	—	O	O	—	O
6.17—Available with axle: 475, 476	X6B	—	—	—	—	—	O	O	O
6.50—Available with axle: 472, 474, 475, 476 * Excludes: 255/70R/22.5 tires ** Available with 22.5 tires only	X6D	*O	**O	—	—	*O	*O	O	*O
6.83—Available with axle: 47X *Available with all 11R 22.5 tires or 295/80R 22.5 or Hankook 275/80R/22.5 tire	X6E	—	—	—	—	—	*O	—	*O
7.17—Available with axle: 475, 477 * Excludes: 255/70R/22.5 tires	X7A	—	—	—	—	—	—	*O	—
4.88/6.65 Requires axle: 477	X48	—	—	—	—	—	O	—	—
5.29/7.21 Requires axle: 477	X52	—	—	—	—	—	O	—	—
6.50/8.87 Requires axle: 477 Excludes: 255/70R/22.5 tires	X65	—	—	—	—	—	O	—	—

REGULAR CAB: Available WB / CA / AF / OAL Dimensions (F6D, F6A, F6E, F6B, F6T, F7D, F7A, F7T)									
WB 146" / CA 72" / AF 39" / OAL 224"	146	—	—	—	—	S	—	—	S
WB 158" / CA 84" / AF 39" / OAL 236"	158	—	—	—	—	O	—	—	O
WB 158" / CA 84" / AF 49" / OAL 246"	158	S	S	—	—	—	S	S	—
WB 158" / CA 84" / AF 63" / OAL 260"	158	—	—	S	S	—	—	—	—
WB 176" / CA 102" / AF 70" / OAL 285"	176	O	O	—	—	—	O	O	—
WB 182" / CA 108" / AF 70" / OAL 291"	182	O	O	—	—	—	O	O	—
WB 182" / CA 108" / AF 75" / OAL 296"	182	—	—	O	O	—	—	—	—
WB 194" / CA 120" / AF 75" / OAL 308"	194	O	O	O	O	—	O	O	—
WB 200" / CA 126" / AF 75" / OAL 314"	200	O	O	—	—	—	O	O	—
WB 212" / CA 138" / AF 81" / OAL 332"	212	O	O	—	—	—	O	O	—
WB 218" / CA 144" / AF 81" / OAL 338"	218	O	O	O	O	—	O	O	—
WB 224" / CA 150" / AF 87" / OAL 350"	224	O	O	—	—	—	O	O	—
WB 230" / CA 156" / AF 87" / OAL 356"	230	O	O	—	—	—	O	O	—
WB 242" / CA 168" / AF 100" / OAL 381"	242	O	O	O	O	—	O	O	—



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

		F-650					F-750		
		DIESEL	GAS	DIESEL	GAS	DIESEL	DIESEL	GAS	DIESEL
		STRAIGHT (Dock Height)		PRO LOADER (Kick Up)		TRACTOR	STRAIGHT (Dock Height)		TRACTOR
WB 260" / CA 186" / AF 120" / OAL 419" *Not Available with 533 Frame	260	*O	*O	—	—	—	O	O	—
WB 281" / CA 207" / AF 120" / OAL 440" *Not Available with Integral Front Frame Extension (532) *Requires 538 frame **Requires frame 536, 538 or 539 frame	281	*O	*O	—	—	—	**O	**O	—
SUPER CAB: Available WB / CA / AF / OAL Dimensions (X6D, X6A, X6E, X6B, X6T, X7D, X7A, X7T)									
WB 167" / CA 72" / AF 39" / OAL 245"	167	—	—	—	—	S	—	—	S
WB 179" / CA 84" / AF 39" / OAL 257"	179	—	—	—	—	O	—	—	O
WB 179" / CA 84" / AF 49" / OAL 267"	179	S	S	—	—	—	S	S	—
WB 179" / CA 84" / AF 63" / OAL 281"	179	—	—	S	S	—	—	—	—
WB 197" / CA 102" / AF 70" / OAL 306"	197	O	—	—	—	—	O	O	—
WB 203" / CA 108" / AF 70" / OAL 312"	203	O	O	—	—	—	O	O	—
WB 203" / CA 108" / AF 75" / OAL 317"	203	—	—	O	O	—	—	—	—
WB 215" / CA 120" / AF 75" / OAL 329"	215	O	O	—	—	—	O	O	—
WB 221" / CA 126" / AF 75" / OAL 335"	221	O	O	—	—	—	O	O	—
WB 233" / CA 138" / AF 81" / OAL 353"	233	O	O	—	—	—	O	O	—
WB 239" / CA 144" / AF 81" / OAL 359"	239	O	O	O	O	—	O	O	—
WB 245" / CA 150" / AF 87" / OAL 371"	245	O	O	—	—	—	O	O	—
WB 251" / CA 156" / AF 87" / OAL 377"	251	O	O	—	—	—	O	O	—
WB 263" / CA 168" / AF 100" / OAL 402" *Not Available with 533 Frame	263	*O	*O	—	—	—	O	O	—
SUPER CAB: Available WB / CA / AF / OAL Dimensions (X6D, X6A, X6E, X6B, X6T, X7D, X7A, X7T) (Continued)									
WB 281" / CA 207" / AF 120" / OAL 440" *Not Available with Integral Front Frame Extension (532). *Requires 538 frame **Requires frame 536, 538 or 539 frame	281	*O	*O	—	—	—	**O	**O	—
CREW CAB: Available WB / CA / AF / OAL Dimensions (W6D, W6A, W6E, W6B, W6T, W7D, W7A, W7T)									
WB 182" / CA 72" / AF 39" / OAL 260"	182	S	S	—	—	S	—	—	O
WB 182" / CA 72" / AF 49" / OAL 270"	182	—	—	—	—	—	S	S	—
WB 194" / CA 84" / AF 49" / OAL 282"	194	O	O	—	—	—	O	O	—
WB 194" / CA 84" / AF 63" / OAL 296"	194	—	—	S	S	—	—	—	—
WB 212" / CA 102" / AF 70" / OAL 321"	212	O	O	—	—	—	O	O	—
WB 218" / CA 108" / AF 70" / OAL 327"	218	O	O	—	—	—	O	O	—
WB 218" / CA 108" / AF 75" / OAL 332"	218	—	—	O	O	—	—	—	—
WB 230" / CA 120" / AF 75" / OAL 344"	230	O	O	—	—	—	O	O	—
WB 236" / CA 126" / AF 75" / OAL 350"	236	O	O	—	—	—	O	O	—
WB 248" / CA 136" / AF 81" / OAL 368"	248	O	O	—	—	—	O	O	—
WB 254" / CA 144" / AF 81" / OAL 374" *Not Available with 533 Frame	254	*O	*O	—	—	—	O	O	—
WB 254" / CA 144" / AF 96" / OAL 396"	254	—	—	O	O	—	—	—	—
WB 260" / CA 150" / AF 87" / OAL 386" *Not Available with frame 533 and W6D or W6A Body Code	260	*O	*O	—	—	—	O	O	—
WB 266" / CA 156" / AF 87" / OAL 386" *Not Available with frame 533 and W6D or W6A Body Code	266	*O	*O	—	—	—	O	O	—
WB 278" / CA 168" / AF 100" / OAL 417" *Not Available with 533 Frame	278	*O	*O	—	—	—	—	—	—



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

WHEEL AND TIRE REFERENCE – FRONT AND REAR COMBINED (NOTE: REFER TO WHEEL SECTION FOR RESTRICTIONS)

<p>64D</p>  <p>Front 19.5x7.5 Bright Polished w/Dura-Bright® seal on both sides, 10-Hole</p>	<p>643</p>  <p>Front 22.5x8.25 White Powder Coated Steel, 10-Hole</p>	<p>64H</p>  <p>Front 22.5x8.25 Bright Polished w/Dura-Bright® seal on both sides, 10-Hole</p>
<p>645</p>  <p>Front 19.5x6.75 White Powder Coated Steel, 8-Hole</p>	<p>646</p>  <p>Front 19.5x7.5 White Powder Coated Steel, 10-Hole</p>	<p>648</p>  <p>Front 19.5x6.75 Clean Buff w/Dura- Bright® seal on both sides , 8-Hole</p>
<p>649</p>  <p>Front 22.5x8.25 Black Wheel</p>	<p>66D</p>  <p>Rear 19.5x7.5 Bright Polished w/Dura-Bright® seal on both sides, 10-Hole (steel inner wheel)</p>	<p>663</p>  <p>Rear 22.5x8.25 White Powder Coated Steel, 10-Hole</p>
<p>666</p>  <p>Rear 19.5x7.5 White Powder Coated Steel, 10-Hole</p>	<p>665</p>  <p>Rear 19.5x6.75 White Powder Coated Steel, 8-Hole</p>	<p>66H</p>  <p>Rear 22.5x8.25 Bright Polished w/Dura-Bright® seal on both sides, 10-Hole (steel inner wheel)</p>



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

<p>668</p>  <p>Rear 19.5x6.75 Clean Buff w/Dura-Bright® seal on both sides , 8-Hole</p>	<p>669</p>  <p>Rear 22.5x8.25 Black Wheel (front shown)</p>	<p>T2E</p>  <p>Front Two 11R22.5H Michelin X Multi Energy Z (501 rev/mile)</p>
<p>T2A</p>  <p>Front Two 11R22.5H Goodyear Fuel Max RSA (497 rev/mile)</p>	<p>T2B</p>  <p>Front Two 11R22.5G Goodyear Fuel Max RSA (497 rev/mile)</p>	<p>TCH</p>  <p>Front Two 255/70R22.5H Goodyear Endurance RSA (566 rev/mile)</p>
<p>TDG</p>  <p>Front Two 295/80R22.5H Continental HSR2 SA (514 rev/mile)</p>	<p>T9A</p>  <p>Front Two 245/70R19.5G Hankook AH35 (628 rev/mile)</p>	<p>TFA</p>  <p>Front Two 275/80R22.5H Hankook AH22 (510 rev/mile)</p>
<p>TGK</p>  <p>Front Two 245/70R19.5H Michelin XZE (619 rev/mile)</p>	<p>T2F</p>  <p>Front Two 275/80R22.5G Michelin X Multi Energy Z (515 rev/mile)</p>	<p>T9F</p>  <p>Front Two 245/70R19.5H Hankook AH35 (628 rev/mile)</p>
<p>T9B</p>  <p>Front Two 265/70R19.5G Hankook AH35 (613 rev/mile)</p>	<p>TRA</p>  <p>Front Two 295/75R22.5H Continental HA3 (514 rev/mile)</p>	



2021 MEDIUM DUTY F-650/F-750 OPTIONAL EQUIPMENT

<p>R2E</p>  <p>Rear Four 11R22.5H Michelin X Multi Energy Z (501 rev/mile)</p>	<p>R2G</p>  <p>Rear Four 11R22.5G Goodyear Fuel Max RTD (493 rev/mile)</p>	<p>R9E</p>  <p>Rear Four 245/70R19.5H Hankook DH35 (632 rev/mile)</p>
<p>R2H</p>  <p>Rear Four 11R22.5H Goodyear Fuel Max RTD (493 rev/mile)</p>	<p>R2A</p>  <p>Rear Four 11R22.5H Goodyear Fuel Max RSA (497 rev/mile)</p>	<p>R2B</p>  <p>Rear Four 11R22.5G Goodyear Fuel Max RSA (497 rev/mile)</p>
<p>RCH</p>  <p>Rear Four 255/70R22.5H Goodyear Fuel Max RTD (563 rev/mile)</p>	<p>RDG</p>  <p>Rear Four 295/80R22.5H Continental HSR2 SA (500 rev/mile)</p>	<p>R9A</p>  <p>Rear Four 245/70R19.5G Hankook AH35 (621 rev/mile)</p>
<p>R9C</p>  <p>Rear Four 245/70R19.5G Hankook DH35 (632 rev/mile)</p>	<p>RFA</p>  <p>Rear Four 275/80R22.5H Hankook AH22 (510 rev/mile)</p>	<p>R9F</p>  <p>Rear Four 245/70R19.5H Hankook AH35 (621 rev/mile)</p>
<p>R2K</p>  <p>Rear Four 255/70R22.5H Goodyear Fuel Max RTD (563 rev/mile)</p>		

<p>RGK</p>  <p>Rear Four 245/70R19.5H Michelin XZE (619 rev/mile)</p>	<p>R2F</p>  <p>Rear Four 275/80R22.5G Michelin X Multi Energy Z (515 rev/mile)</p>	<p>RMB</p>  <p>Rear Four 11R22.5H Michelin X Multi D(494 rev/mile)</p>
<p>R2J</p>  <p>Rear Four 275/80R22.5G Michelin X Multi Energy D (514 rev/mile)</p>	<p>R9B</p>  <p>Rear Four 265/70R19.5G Hankook AH35 (613 rev/mile)</p>	<p>R9D</p>  <p>Rear Four 265/70R19.5G Hankook DH35 (614 rev/mile)</p>
<p>RRA</p>  <p>Rear Four 295/75R22.5H Continental HA3 (514 rev/mile)</p>	<p>RRC</p>  <p>Rear Four 295/75R22.5H Continental HDR2 (514 rev/mile)</p>	