

## Specifications for the 2017 or newer Ford F250 Super Duty Pickup

### **DEC SPILL RESPONSE (14)**

9900 GVWR Single rear wheel, four wheel drive, 6-person seating – Super Cab pickup w/6 ¾' box (148 inch + Wheelbase)

#### **Chassis Specifications:**

- Color- Magnetic (Dark Gray)
- Delete Daytime Running Lights
- **Engine:** Gasoline powered minimum V8 Engine. 385 HP minimum, 430 ft. lb. of torque minimum.
- **Anti Spin Rear Differential-** 3.73 Axle ratio
- **Factory speed control**
- **Front Tow Hooks**
- **Transmission:** Minimum 6 speed, Automatic Transmission
- **Factory Installed Air Conditioning**
- **Tilt Steering Wheel**
- **AM/FM Radio, MP3 Capable**
- **Long Box Equipped (6 ¾' ft.)-** Factory installed spray in bed liner
- **Two Auxiliary Power outlets including a 115V Aux power outlet**
- **Anti-lock Disc Brakes-** All Wheels
- **200 amp Heavy Duty Alternator-** Battery 650 CCA auxiliary or equivalent
- **12,600 lb. Tow Rating**
- **Fuel capacity minimum 29 gallons**
- **(5) On/Off Road Tires-** with spare tire carrier winch or equivalent

- **18 inch Aluminum Wheels**
- **40/20/40 Cloth Front Seats with a Mini Console**
- **Folding 60/40 Cloth 3 person rear seat**
- **Carpeted Floor Covering color matched to the seats.**
- **WeatherTech ® Front and Full Rear Floor Cover System (Trays)**
- **Class IV platform trailer hitch with 2" receiver**
- **7 wire trailer plug with flat pins**
- **Factory installed trailer brake control**
- **Heavy duty transmission cooler**
- **Heavy duty engine oil cooler**
- **Halogen headlamps**
- **Heated fold away trailer tow mirrors**
- **Power windows and power door locks with minimum of 4 key FOBs for remote access plus 4 standard keys**
- **Tailgate mounted back up camera with automatic dimming rear view mirror or equivalent.**
- **Blind Spot Information System**
- **Engine Hour/ Engine idle hour meter**
- **Factory Bumper-to-Bumper Warranty-3 years or 36,000 miles whichever occurs first, power train (Engine, Transmission, transfer case, front and rear axles) 5 year or 60,000 miles whichever occurs first.**

### **Emergency Lighting Specifications:**

- **3 year parts and labor warranty with travel to vehicle location for repair, minimum.**

- **Full and Complete Printed wiring diagram of ALL emergency wiring circuits to be delivered with each vehicle. Diagram to show all circuits pertaining to the entire up-fit, running to and from all equipment. (Delivery will not be accepted without it).**
- **Vehicles will be inspected for rusted debris and metal filings on painted surfaces. If present, delivery will be refused.**
- **Lighting Color Guidelines- Rear facing lighting allows Red or Amber, Side facing lighting allows Red or Amber. Forward facing lighting allows Red or Amber. With exception of STEADY burn forward facing clear take-down LEDs, clear side facing Alley lights and flashing headlights.**
- **Uniform wiring of ALL vehicles with ALL circuits (No variations from vehicle to vehicle of colors, size, or location of the same circuit).**
- **All wire connections outside the cabin to be weather proof sealed connectors and/or adhesive lined shrink terminals with environmental protective spray applied.**
- **All crimp connections to be “Perma-Seal” brand products throughout the entire vehicle with all connections tested for proper crimp and completely shrunk.**
- **Brass fuse taps are strictly prohibited from use.**
- **All wired circuits to be descending in wire size from supply to load (no smaller wires feeding larger wired circuits).**
- **All grounds to be located in vehicle cabin for emergency lighting.**
- **All screw post terminal positions to be connected via ring terminals. No multi-terminals or stacked terminals per post (use of distribution blocks are required when wires located at one terminal location will not fit in a single connector). The stacking of ring terminals will damage the lighting and siren control unit.**
- **All non-factory hardware to be Stainless Steel.**
- **No powered amplifier units of any kind to be located beneath vehicle flooring.**

- All points in which wires pass through sheet metal holes are to be deburred and fitted with a dedicated rubber grommet to prevent chaffing. Remaining gaps are to be sealed.
- Throughout the entire vehicle abrasion resistant wire loom is to be used in all places where wire chaffing is possible. All emergency wiring outside the cabin is to be protected by abrasion resistant wire loom.
- Red/White Auxiliary Dome lamp.
- MNSTAR Model # SO-DEC16 equally fused harness to connect all auxiliary Non-OEM emergency lighting and sirens.
- Whelen Engineering- #295SLSA6 siren/lighting control mounted in auxiliary console or provided tower tree and wired to control all emergency lighting in merchant specified arrangement.
- Whelen Engineering- #SA315 siren speaker shall be permanently mounted behind grille with appropriate mounting bracket.
- Whelen Engineering- #VTX609K Split Red/Amber Vertex LED shall be permanently mounted into reverse lamps, one per side. All hide-away light heads to be additionally sealed with "Permatex Ultra-Black" Gasket Maker Sealant.
- Whelen Engineering Liberty II (IX, Low Current) Series 54" inch Light bar (Color and Pattern to be decided on by purchaser) permanently mounted to the roof, centered between the front and rear doors via manufacturer specific strap mounts with minimum of three fasteners per side.
- Light bar cables to be installed with Liquid tight cord grip fittings, further seals with Permatex Ultra Black Gasket Maker.
- Havis C-AS-840-11 Console to be installed between the dash and the center front seat with direct fit mounting plates corresponding to the appropriate siren/lighting control and two way two way radio to be used. All console face plates to be installed in merchant agreed upon order by hand (no power tools) to ensure no fasteners are over tightened. Wiring within console to be neat and free of tension on connections (tied too tightly with zip ties such that connections could fail). Additionally a diagonal vibration support brace is to be added attaching from the console to the center seat base bracket on the passenger side. Delivery will not be accepted without a diagonal support brace installed to eliminate forward and backward movement.

- **Install wiring for Kenwood TK-790HBK Mobile Radio – Kenwood Part # KCT-22M2 or Leonard Part # 10351 (Remote Control Cable 17' Standard for 90 Series) routed to Siren/Switch box location at the console with 24 inches of excess protruding. Kenwood Part # KCT-23M4 (2 power & 2 ground wires) or Leonard Part # 10387 (DC Cable 75/110 Remote Mount for 90 Series) to be connected to provided MNSTAR circuit with 24 inches of excess located below the center of the rear bench seat.**
- **Install antenna mount and wiring-**
- STI-CO Industries Inc. Part No. ROOF-FT-NITI
- Mounting Option: Roof mount
- Connector: One PL-259 UHF Male (NO MINI CONNECTORS)
- Antenna connector to be delivered with each vehicle not installed
- Antenna cable and mast are not to be altered in length
- **Care should be taken to not damage the communication cable seal during installation**

**Delivery:**

All vehicles will be outfitted with the required emergency lighting/equipment and delivered to the designated delivery points within 60 days following the receipt of the vehicles from the manufacturer.

**Outfitting:**

Installers must have a minimum of 3 years experience performing the installation of aftermarket emergency automotive equipment. The parameters above for installation are clearly stated and must be followed. The factory wiring harness **IS NOT to be compromised** in any fashion that will void factory warranty. Only supplied connections of the SSV package wire harness will be used and **only** for its intended use. Any deviation must be approved by DEC Technical staff.

**Upon completion of the first vehicle, and prior to commencing work on subsequent vehicles, contact DEC at 518-433-4526 to arrange for an inspection. All involved panels interior or otherwise are to be left uncovered so that DEC staff may inspect wiring of all circuits for defect and or deviation.**

Upon approval of the first vehicle that unit is to be left at the facility for reference to aid in the production of the remaining vehicles and not delivered until all others have been completed and delivered.