

**SPECIFICATION, JEA CLASS 123+ 4X4 ONE TON CREW CAB DRW UTILITY BODY  
FORESTRY TRUCK**

**UPDATED SEPTEMBER 2024**

**1. SCOPE**

It is the intent of the JEA to purchase multiple One Ton Diesel Crew Cab DRW 4X4 Trucks with Steal Utility with various configurations, up-fits and options. All units must be tested and delivered to the JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by the date specified per awarded contract.

**2. MODEL**

New current model year production One Ton Crew Cab DRW 4X4 Trucks with Steal Utility Body (Ford F-550). Reference JEA In-Service Units for layout and option details.



NOTE: Picture is intended for general reference only

**3. CHASSIS**

- 3.1 Base Curb Weight: not to exceed 9500 lbs
- 3.2 Wheel Base: Between 174" and 179" to accommodate the following:
  - Knapheide Steal 600 Series utility body or equal
- 3.3 Height: not to exceed 95"
- 3.4 Length: not to exceed 300"
- 3.5 Width Including Mirrors: not to exceed 102"
- 3.6 Minimum Ground Clearance: 12"
- 3.7 Minimum Seating Capacity: Six (6). Include front seat collapsible center console option with storage and minimum 2 cup holders.
- 3.8 Pay Load: Minimum 3500 lbs
- 3.9 Extra Heavy Duty Front Suspension
- 3.10 3.5" Radius Arm Drop Lift Kit: Stryker Off Road Design or Equivalent.

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**4. ENGINE (DIESEL)**

- 4.1 Horse Power: Minimum 330 HP
- 4.2 Torque: Minimum 750 lbs
- 4.3 No Automatic Idle Shutdown
- 4.4 B20 Biodiesel Capable

**5. TRANSMISSION WITH PTO**

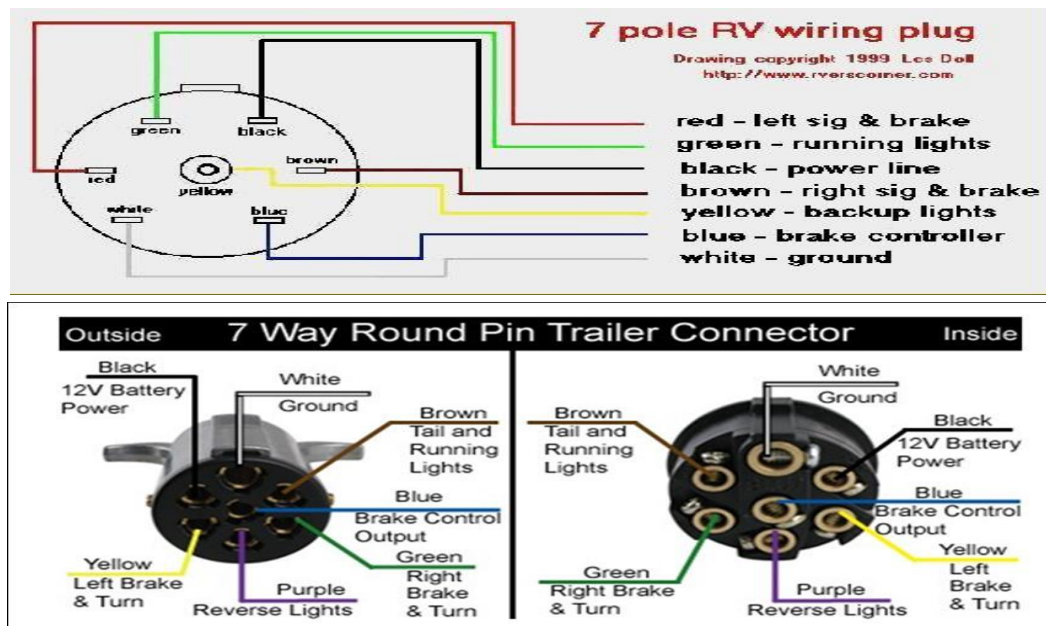
- 5.1 Ten (10) Speed Automatic
- 5.2 PTO Provision

**6. TOWING**

- 6.1 **Class-5** towing package with pintle / ball (2 5/16") combination insert (Curt # C45908). Minimum towing / ball capacity of 16,000 lbs.



- 6.2 OEM 7 Pin RV Trailer Plug and 7 Pin Round Trailer Plug (JEA Standard). Both plugs are required on all units.



- 6.3 Minimum max loaded trailer weight, conventional: 18,500 lbs
- 6.4 OEM integrated brake controller

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#### **7. DIFFERENTIALS**

7.1 4:30 Limited slip (lockable if possible)

7.2 Low Deflection Package

#### **8. WHEELS / TIRES**

8.1 Wheels: 20" Aluminum

8.2 Tires: 37" Aggressive All Terrain (Toyo Open Country RT, General Grabber AT4, Mickey Thompson Baja AT) or largest tire allowable that will not rub while turning or negotiating uneven terrain. Tires must be rated for 3,600 lbs each (E or F tow range)

8.3 Matching spare wheel and tire: Mounted and balanced.

8.6 Fender Flares

#### **9. BRAKES**

9.1 Four wheel disc brakes

9.2 Anti-Lock brake system (ABS)

#### **10. FUEL TANK**

10.1 Minimum 30 gallon useable fuel capacity.

#### **11. CHASSIS ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)**

**NOTE:** WIRE ALL LED STROBE LIGHTS TO ONE OEM UP-FITTER SWITCH IN CAB with Label. WIRE ALL UTILITY BIN and TOOLBOX LED ROPE LIGHTING TO ONE OEM UP-FITTER SWITCH IN CAB with Label.

11.1 Meters (In Cab / Dash Mounted): hour meter, mileage, engine oil pressure, engine temperature, charging system, fuel level etc.

11.2 Blue Sea Systems or equivalent Auxiliary Accessory Split Fuse Block (section B "constant hot" wired to a waterproof resettable circuit breaker). All connections made by the vendor must be labeled (with a label maker or equivalent) on the outside of the protective cover. Wire the top section as a common ground, Section "A" as "ignition hot" and Section "B" as "constant hot". Must leave at least six (6) positions open in the "common ground" section, three (3) positions open in ignition hot (Section A) and three (3) positions open in constant hot (section B). The purpose for leaving these positions open is for JEA internal installations such as: wiring for GPS, fuel rings, JEA Radio, DC accessory power outlets, etc. Example is listed below including picture:

Blue Sea Systems ST Blade Split Bus ATO/ATC Fuse Block  
Model #: 5032

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- 11.3 All Cab / Chassis Lights: LED only
- LED Headlights required only if available OEM
- 11.4 Corner Mounted LED Strobe Lights: Four count, one on each corner. Wired to an isolated switch.
- 11.5 DC Accessory Power Outlets: One additional DC power outlets in cab for accessories with spring-loaded cover. See example below: NAPA Part # BK 7821773 or equal. Wire to the Auxiliary Accessory Fuse BLOCK



- 11.6 Power Package: Power windows, locks, mirrors (Heated), cruise control and tilt wheel
- 11.7 Factory installed air conditioner and heater.
- 11.8 OEM Collision mitigation/warning system with active braking (engage service brakes), lane departure warning system, back up sensors and backup alarm. System must not affect the safety or operation of the vehicle while staging or operating attachments.
- 11.9 OEM AM / FM Stereo with auxiliary input, backup camera, and Bluetooth hands free. Units must meet FMVSS111 Requirements.
- 11.10 Whelen Justice DUO RX WeCanX® (RX2FFFF 56.25" DUO Color, amber/white) Series Strobe Light or equivalent. Hard mount and wire to the BACK RACK MODEL BRK15004 Headache Rack with the BACK RACK LIGHT BAR BRACKETS # 91006. No exposed wires. Must include a controller (Whelen PCC8R or equivalent) with the following functions:
- Alley Lights (Isolated and Independent of strobes)
  - Take Down Lights (Isolated and Independent of strobes)
  - Front Strobe Pattern
  - Rear Strobe Pattern
  - Front/Rear Strobe Pattern
  - Rear Arrow Patterns (Right and or Left)



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- 11.11 Remote Controlled Spotlight: Whelen Argos Proclera ProFocus WECAN X with driver and passenger side fender mounts. Remotes Mounted to Dash Below Radio for easy access for operator.
- 11.12 1000 Watt Pure Sign Wave Power Inverter: Mount inside under rear seat with outlets accessible. Wire key hot with re-settable breaker. Include double 120v duplex outlet (mounted to the roof of the inside, left front bin)
- 11.13 LED Bin Lighting: All utility bins and toolboxes
- 11.14 LED Area/Ground Lighting: Driver's side, passenger's side and rear of vehicle
- 11.15 20" LED Cargo Light
- 11.16 OEM UP-FITTER Switches
- 11.17 Dual Alternators

## 12. ADDITIONAL REQUIRED EQUIPMENT

- 12.1 Window Tint: driver, passenger & rear windows (Max Legal in FL)
- 12.2 Spray In Bed Liner: bed, tail gate, tail shelf and inside tool boxes and bins (LINE X or equal, color matched)
- 12.3 Running Boards: driver's side and passenger's side (factory or equivalent).
- 12.4 Headache Rack with expanded metal and strobe light mounting brackets (Mount Whelen Justice JV WeCan Series Super LED MODEL JV2A Strobe Light). See JEA in-service units for general detail.
- 12.5 Seat Belts: Fluorescent Green or Orange



- 12.7 Tow/Recovery Hooks: Front
- 12.8 Masterlock System to Operate from Rear of Body
- 12.9 CM TM Deluxe bed (Or Equivalent). White in color if possible. 24k rated hitch receiver.



- 12.10 E-Track: inside utility body on both driver and passenger sides, 5" below the top of the utility body
- 12.11 C-Tech Drawers (or equivalent) installed in bed (Both Sides)

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- 12.12 Bed Mounted Fuel Cell/100 Gallon Tank with Pump, ¾" Nozzle and Mechanical Meter. Hardwire pump into OEM up-fitter switch inside cab. 50 feet of hose on a hose reel. Pump to be on Passenger side and tank fill on Driver side. Hose reel mounting location TBD.
- 12.13 Vice: Wilton 6" mounted on rear step bumper, location TBD.
- 12.14 Aluminum 16 x 13 x 8 Hand Wash Tank with Ball Valve, location TBD
- 12.15 Weather Tech Floor Mats, front and rear
- 12.16 Vinyl seats.
- 12.17 Vinyl or rubber floors
- 12.18 Skid plates for oil pan, transmission and fuel tank (if available)
- 12.19 Fender flares: designed to compensate for the oversized tires

### **13. COLOR/GRAPHICS**

- 13.1 White exterior

### **14. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION**

- 14.1 One (1) Set of operator manuals (Hard Copy) per unit
- 14.2 Provide maximum number of programable key fobs not to exceed five (5) fobs. Include five (5) sets of keys for attachments, bins and toolboxes. Key all bins and toolboxes alike. Stamp/Engrave JEA provided 5 digit unit number on all keys.
- 14.3 One (1) on-site JEA Operator Orientation Class (Complete Unit: Chassis and Attachments)
- 14.4 One (1) on-site JEA Maintenance Orientation Class (Complete Unit: Chassis and Attachments)

### **15. WARRANTY**

- 15.1 Minimum 3 Year / 36,000 Mile warranty and all standard manufacturer warranties including component warranties.
- 15.2 Warranty period starts when units received at JEA Fleet Facility, Inspected and Accepted

### **16. OTHER REQUIREMENTS**

- 16.1 Purchase and Install Yellow City License Plates
- 16.2 Install JEA provided decals
  - Ensure the JEA Branding (decals) do not interfere with the sensors on the vehicle.
- 16.3 Install JEA provided safety equipment: Purple-K fire extinguisher (5 LB), first aid kit and key safe.

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- 16.4 Current DOT Inspection / Certification with decal installed lower left inside corner of windshield. Include current date, current hours, next service due date and next service due hours.
- 16.5 Include a paper copy specification / build sheet in all units including key codes.
- 16.6 Must include/document the VIN number, make, model, description, JEA PO # and JEA provided 5 digit unit # on all invoices
- 16.7 Awarded vendor must complete and submit the JEA provided Vehicle and Equipment Attribute Data Spreadsheet



- 16.8 Reflective roadside triangle warning/hazard kit

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**NOTE:** All units, attachments, products and services must meet and comply with all applicable regulations and specifications including but not limited to Federal and State Laws, OSHA Regulations, ANSI Standards, DOT Regulations and ASTM Standards. All units must be delivered to the JEA Fleet Facility with a minimum  $\frac{3}{4}$  tank of fuel. Contact Christi Oca at 904-708-0080 48 hours prior to delivery. Delivery times are Monday through Friday 07:00 AM – 03:00 PM at 5717 New Kings Road Jacksonville Florida, 32209.