Specifications for the 2017 or newer Ram 1500 SSV
K-9 Pickup (3)

6,099 GVWR Single rear wheel, four wheel drive, five-person – 4-door crew cab pickup

Chassis Specifications:

- Color- Black
- Delete Daytime Running Lights
- **Engine:** Gasoline powered minimum V8 Engine. 355 HP minimum, 380 ft. lb. of torque minimum.
- **Anti Spin Rear Differential-** 3.55 Axle ratio
- **Factory speed control**
- **Front Tow Hooks**
- **Transmission:** Minimum 6 speed, Automatic Transmission
- **Factory Installed Air Conditioning**
- **Tinted Glass-** all windows
- **Tilt Steering Wheel**
- **AM/FM Radio**
- **Four Full-size Conventional doors**
- **Standard Short Box Equipped-** Factory installed spray in bed liner
- **Two built-in weatherproof, lockable, drainable, illuminate storage bins that are the length of the bed or equivalent**
- **Rear Cargo Lamp**
- **Two Auxiliary Power outlets including a 115V Aux power outlet**
- **Anti-lock Disc Brakes-** All Wheels

- **Alternator heavy duty service,** 170 amp- Battery 730 CCA auxiliary or equivalent
- **6,900 Gross vehicle weight rating**
- **Fuel capacity minimum 26 gallons**
- **(5) On/Off Road Tires- with spare tire carrier winch or equivalent**
- **Heavy duty cloth front bucket seats and folding 3 person rear seat, Power 10 way driver seat**
- **Electronic shift on the fly four wheel drive with part time transfer case**
- **Class IV platform trailer hitch with 2" receiver**
- **7 wire trailer plug with flat pins**
- **Factory installed trailer brake control**
- **Transfer case skid plate**
- **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**
- **Rear window defroster**
- **Rear back up camera with automatic dimming rear view mirror or equivalent**
- **Certified Speedometer for Law Enforcement**
- **Engine Hour/ Engine idle hour meter**

- **Factory warranty-base Chassis 3 years or 36,000 miles whichever occurs first, power train (Engine, Transmission, transfer case, front and rear axles) 5 year or 100,000 miles whichever occurs first.**

OPTIONS REQUIRED:

- Rubber/ Vinyl Flooring

K-9 Specifications:

- American Aluminum #EZPF_DOCCAB_0916 - E/Z-Rider K-9 Platform for Dodge 4D *Crew Cab*, (2017 RAM 1500 SSV) installed with #EZK9_OPTIONS Divider. Divider is to be installed in a 60/40 orientation, with driver side the larger of the two. Animal exit and quarters to also be on the driver side.

- K-9 Platform and all associated pieces to be supplied with a "Matte Black Powder Coating".

- K-9 Platform to also be supplied with a "Deluxe, Non-Toxic, Custom Fit Rubber Liner" from American Aluminum.

- ACE K-9 #HP-5010B-32-AVA "Hot-N-Pop Pro" K-9 protection system with "No Dog Left Behind" option.

- Exhaust Fan Option added.

- All units and systems to be installed following exact manufacturer specifications with great attention to detail.

- Available remaining circuits after emergency lighting has been accounted for are to be used from supplied MNSTAR harness.

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- <u>Rear facing</u> lighting allows Blue, Red, Clear and or Amber. <u>Side facing</u> lighting allows Red, Clear, and or Amber. <u>Forward facing</u> lighting allow Red, Clear and or Amber.**

- **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 <u>with environmental protective spray applied.</u>**

- **All crimp connections to be "Perma-Seal" brand products throughout the entire vehicle with all connections tested for proper crimp and completely shrunk.**

- **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. <u>No multi-terminals or stacked terminals per post</u> (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.**

- **No powered amplifier units of any kind to be located beneath the vehicle flooring.**

- **<u>All non-factory hardware to be Stainless Steel</u>.**

- **All points in which wires pass through sheet metal holes are to be de-burred 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.**

- **Horn ring option is to be used (accessed via appropriate wiring within the MNSTAR harness)**

- **Factory installed vehicle system interface modules. Integrated in the factory wiring system with four separate factory wiring harness pigtails (two B+ supply circuits & two run/acc. positive supply circuits). Truck to be delivered with flashing headlights via manufacturer integrated wiring system using factor lighting, to be triggered with individual wire circuits. All triggering and powered wires to end at the floor below the center of the dashboard with 24 inches of excess wire spooled.**

- **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- #IX42UFZ (or application specific version of the exact same model) Inner Edge Red/Clear light bar with takedowns shall be installed at the top of the windshield along sun visors. Exact lighting pattern shall be determined prior to build.**

- **Whelen Engineering- #LINSV2R (Quantity 2) Lower Mirror Mounted Red V-series LED, one per side, installed with #LSVBKT44 mount kit (or application specific version of the exact same model).**

- **Whelen Engineering- #VTX609J Split Red/Blue Vertex LED (total quantity 2) shall be permanently mounted into reverse lamps, one per side. #VTX609R Red Vertex LED (total quantity 2) shall be permanently mounted into tail lamps, one per side. All hide-away light heads to be additionally sealed with "Permatex Ultra-Black" Gasket Maker Sealant.**

- **Whelen Engineering- #AVN2RB (Red/Blue Avenger II Lighthead) and #AVN2RA (Red/Amber Avenger II Lighthead) to be permanently**

mounted inside rear window facing rear of the vehicle one on each the driver and passenger side. Permanent brackets to be supplied and installed by up-fitter such that there is no interference with seating headrests.

- **Whelen Engineering- #RSC02ZCR Clear LED Lighthead (Quantity 2 per vehicle) & #RSR02ZCR Red LED Lighthead (Quantity 2 per vehicle) to be permanently mounted behind grille with adequate brackets.**

- **Unity Model 335 LED or equivalent interior adjustable spot lamp to be permanently mounted on drivers door a-pillar, integrated with factory wiring system.**

- **Spotlight to be fully tested for function and correct adjustment in ranges of motion.**

- **Havis Model C-VS-0814 (Truck)-2 (or application specific version of the exact same model) console with cup holder, armrest, 2 Microphone clips, 2 Microphone brackets, 2 mounting plates for siren/lighting switchbox and radio shall be installed between LH and RH front seats or comparable tree tower equivalent. Direct fit mounting plates corresponding to the appropriate siren/lighting control and two-way radio to be used. Add 3 DC outlet assemblies. 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).**

- **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, 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.