

# Hotshot Superintendent Vehicle Chassis Only Specification

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## Table of Contents

<b>Record of Revisions</b>	<b>3</b>
<b>1 — Chassis Specifications</b>	<b>4</b>
1.1 General	4
1.2 Wheelbase	4
1.3 Cab to Axle	4
1.4 Gross Vehicle Weight Requirement	4
1.6 Tow Hooks	4
1.7 Frame Rails	4
1.8 Bumper, Front	4
1.9 Axle, Front, Driving	4
1.10 Suspension, Front	4
1.11 Brake System	4
1.12 Steering Column	5
1.13 Steering Wheel	5
1.14 Steering	5
1.15 Exhaust	5
1.16 Electrical System	5
1.17 Alternator	5
1.18 Battery System	5
1.19 Radio	6
1.20 Grille	6
1.21 Engine	6
1.22 Engine Option	6
1.23 Transmission	6
1.24 Transfer Case	6
1.25 Axle, Rear	6
1.26 Suspension, Rear	7
1.27 Fuel Tank	7
1.28 Cab	7
1.29 Chassis Color	8
1.30 Tires and Wheels	8
1.31 Included	8
1.32 Additional Requirements (AREQ) To Be Noted For Ordering	8

## Record of Revisions

<u>Date</u>	<u>Revision Summary</u>
February 2009	<ul style="list-style-type: none"><li>• Initial release as part of turnkey specifications</li></ul>
January 2012	<ul style="list-style-type: none"><li>• Revision</li></ul>
February 2016	<ul style="list-style-type: none"><li>• Updated format</li><li>• Added "General Statement"</li><li>• Added AREQ section</li><li>• Updated document for 508 compliance</li></ul>
Future Revisions	<ul style="list-style-type: none"><li>• Additional revisions to be added here</li></ul>

## **1 — Chassis Specifications**

### **1.1 General**

1.1.1 The intent of this specification is to provide a 16,500 GVWR standard, extended cab, or crew cab chassis. This chassis specification is intended to be used with “USDA Forest Service, Apparatus Body Only Specification – Hotshot Superintendent Vehicle.”

1.1.2 The chassis shall include the following features:

### **1.2 Wheelbase**

1.2.1 176.2 inches maximum

### **1.3 Cab to Axle**

1.3.1 60 inches

### **1.4 Gross Vehicle Weight Requirement**

1.4.1 16,500 pounds

### **1.6 Tow Hooks**

1.6.1 Front, two; inside rail; frame mounted

### **1.7 Frame Rails**

1.7.1 Heat treated alloy steel

### **1.8 Bumper, Front**

1.8.1 Steel; swept back; step bumper; painted black; with clear driving lights

### **1.9 Axle, Front, Driving**

1.9.1 Single; 7,000 pound capacity minimum; with snow plow prep package

### **1.10 Suspension, Front**

1.10.1 Live axle; stabilizer bar

### **1.11 Brake System**

Includes:

1.11.1 Front brakes: Disk; vented rotor design

1.11.2 Rear brakes: Disk; vented rotor design

1.11.3 Dust shields; front and rear axles

1.11.4 Anti-Lock Braking System: Full vehicle wheel control system

1.11.5 Exhaust brake (diesel engine only)

## **1.12 Steering Column**

1.12.1 Tilting

## **1.13 Steering Wheel**

1.13.1 4-spoke; black urethane

## **1.14 Steering**

1.14.1 Power recirculating ball; steering damper

## **1.15 Exhaust**

1.15.1 Single, horizontal; with after-treatment device; frame mounted under cab; includes tailpipe and guard

## **1.16 Electrical System**

1.16.1 12-volt

1.16.2 Includes:

1.16.2.1 Headlights; two; Halogen

1.16.2.2 Horn; electric; single

1.16.2.5 Starter switch; electric; key operated

1.16.2.6 Headlight dimmer switch integral with turn signal lever

1.16.2.7 Turn signal switch; self-canceling

1.16.2.8 Windshield wiper; 2-speed; integral with turn signal switch; with wash/intermittent feature

1.16.2.10 Wiring; chassis; color coded and continuously numbered

## **1.17 Alternator**

1.17.1 12 volts direct current; 220 amp capacity minimum

## **1.18 Battery System**

1.18.1 Two; 750 cold cranking amps total batteries; maintenance-free

1.18.2 Battery saver system

**1.19 Radio**

1.19.1 AM/FM stereo with CD player; 2 speakers

**1.20 Grille**

1.20.1 Stationary; black

**1.21 Engine**

1.21.1 Diesel; 50 State

1.21.2 Includes:

1.21.2.1 Air cleaner; single element

1.21.2.2 Throttle; electronically controlled

1.21.2.3 Auxiliary idle control

1.21.2.4 Fuel/water separator, with water-in-fuel sensor and heater

1.21.2.5 Engine block heater

1.21.2.6 Indicator, low coolant level with audible alarm

1.21.2.7 Heavy duty engine cooling

1.21.2.8 Disable / delete idle shut down feature

1.21.2.9 Clean idle emissions label

**1.22 Engine Option**

1.22.1 Gasoline; V10, 6.8 liter

1.22.2 Includes:

1.22.2.1 All items from specification 1.21.2 (above)

**1.23 Transmission**

1.23.1 Automatic; tow/haul mode

**1.24 Transfer Case**

1.24.1 Two speed; skid plate package

**1.25 Axle, Rear**

1.25.1 Single; 12,000 pound capacity minimum

## **1.26 Suspension, Rear**

1.26.1 Live axle; with shock absorbers; stabilizer bar

## **1.27 Fuel Tank**

1.27.1 Capacity: 40-gallons minimum; steel; rear-mounted

## **1.28 Cab**

1.28.1 Conventional cab

1.28.2 Includes:

1.28.2.1 Clearance lights; flush-mounted

1.28.2.2 Interior assist and ride handles

1.28.2.3 Mirrors; exterior; two; rectangular; folding trailer tow mirrors; day/night rear view

1.28.2.4 Gauge cluster; English with electronic speedometer; tachometer; oil pressure; coolant temperature; fuel level; voltmeter; washer fluid level; engine hour meter; trip odometer

1.28.2.5 Warning system; low fuel level, low oil pressure; high coolant temperature; low voltage; high transmission temperature

1.28.2.6 Gauge, transmission temperature

1.28.2.7 Gauge; air cleaner restriction

1.28.2.8 Seat; front vinyl; reclining bucket/captain's chairs

1.28.2.9 Seat; rear bench

1.28.2.10 Height adjustable front shoulder belts

1.28.2.11 3-point seat belts; driver's & passenger's & outboard rear cab seats (total of four); Red or orange in color, if available

1.28.2.12 2-point seat belt; center rear seat (total of one); Red or orange in color, if available

1.28.2.13 Air conditioner with integral heater and defroster

1.28.2.14 Fresh air filter for HVAC

1.28.2.15 Tinted glass

1.28.2.16 Dome light with automatic dimming, door activated and push ON/OFF

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- 1.28.2.17 Black vinyl floor covering
- 1.28.2.18 Vinyl sun visors with mirrors
- 1.28.2.19 Power door locks
- 1.28.2.20 Power windows
- 1.28.2.21 Cruise control
- 1.28.2.22 Multi-stage front airbags
- 1.28.2.23 Transfer case skid plate shield
- 1.28.2.24 Single color cab exterior finish paint

**1.29 Chassis Color**

- 1.29.1 Single color cab exterior finish paint, number 14260 of Federal Standard number 595 (Forest Service Green).

**1.30 Tires and Wheels**

- 1.30.1 Steel wheels; painted white; 19.5 inches
- 1.30.2 Tires Front: 225/70R19.5, G622 RSD, or equivalent; load range G
- 1.30.3 Tires Rear: 225/70R19.5, G622 RSD, or equivalent; load range G

**1.31 Included**

- 1.31.1 Included with chassis order, one spare wheel and one spare tire matching the wheels and front tires, delivered affixed to the cab and chassis.

**1.32 Additional Requirements (AREQ) To Be Noted For Ordering**

- 1.32.1 Some items listed above will need to be ordered as Additional Requirements (AREQ) from the chassis manufacturer as described in the specifications.
  - 1.32.1.1 (1.8.1) Steel; swept back; step bumper; painted black; with clear driving lights
  - 1.32.1.2 (1.21.2.8) Disable/delete idle shut down feature
  - 1.32.1.3 (1.30.2) Tires Front: 225/70R19.5, G622 RSD, or equivalent; load range G
  - 1.32.1.4 (1.30.3) Tires Rear: 225/70R19.5, G622 RSD, or equivalent; load range G