

*Gray-Daniels Ford*

*Presents...*



## **The 2015 Ford F-550 Chassis XL**

**4x4 SD Crew Cab 200" WB DRW**



*Prepared For:* Brett Jensen  
*Prepared By:* Jim Cantrell  
*Prepared On:* April 03, 2014

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## **Vehicle Profile**

## **2015 Ford F-550 Chassis**

**4x4 SD Crew Cab 200" WB DRW XL (W5H)**

### **Powertrain**

Triton 6.8L V-10 SOHC SMPI 30 valve engine \* 175 amp alternator \* 750 amp 78 amp hours (Ah) HD battery with run down protection \* Engine block heater, transmission oil cooler \* 5-speed electronic SelectShift automatic transmission with overdrive, lock-up, driver selection \* Part-time four-wheel drive with manual transfer case shift, manual locking hubs \* Limited slip differential, driveline traction control, power take-off provision \* 4.88 axle ratio \* Stainless steel exhaust

### **Steering and Suspension**

Hydraulic power-assist re-circulating ball steering \* 4-wheel disc brakes with front and rear vented discs \* Firm ride suspension \* Mono-beam non-independent front suspension \* Front anti-roll bar \* HD front coil springs \* HD front shocks \* Rigid rear axle \* Rear leaf suspension \* Rear anti-roll bar \* HD rear leaf springs \* HD rear shocks \* Front and rear 19.5" x 6.00" argent steel wheels \* LT225/70SR19.5 BSW AS front tires \* AT rear tires

### **Safety**

4-wheel anti-lock braking system \* Dual airbags, seat mounted driver and passenger side-impact airbags, curtain 1st and 2nd row overhead airbags \* Front height adjustable seatbelts

### **Comfort and Convenience**

Air conditioning, underseat ducts \* AM/FM stereo, clock, seek-scan, 2 speakers, fixed antenna \* Cruise control with steering wheel controls \* 2 12V DC power outlets \* Analog instrumentation display includes tachometer, oil pressure gauge, engine temperature gauge, transmission fluid temp gauge, engine hour meter, exterior temp, systems monitor, trip odometer \* Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, door ajar, service interval, brake fluid \* Steering wheel with tilt and telescopic adjustment \* Manual front and rear windows with light tint \* Variable intermittent front windshield wipers \* Passenger side vanity mirror \* Day-night rearview mirror \* Interior lights include dome light with fade, front and rear reading lights \* Full overhead console with storage, glove box, front cupholder, instrument panel bin, dashboard storage \* Infotainment switches

### **Seating and Interior**

Seating capacity of 6 \* 40-20-40 split-bench front seat with adjustable head restraints, center armrest with storage \* 4-way adjustable driver seat includes lumbar support \* 4-way adjustable passenger seat \* 60-40 folding rear split-bench seat with FlexFold flip forward cushion/seatback, 3 adjustable rear head restraints \* Vinyl faced front seats with vinyl back material \* Vinyl faced rear seats with carpet back material \* Full cloth headliner, full vinyl/rubber floor covering, urethane gear shift knob, chrome interior accents

### **Exterior Features**

Side impact beams, front license plate bracket, fully galvanized steel body material \* Black fender flares \* Black side window moldings, black front windshield molding \* Black door handles \* Black grille \* 4 doors \* Trailer harness \* Driver and passenger manual black folding manual extendable trailer outside mirrors \* Front black bumper with front tow hooks \* Aero-composite halogen headlamps \* Additional exterior lights include cab clearance lights, underhood

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## Vehicle Profile Continued

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Prepared By: Jim Cantrell  
Dealership: Gray-Daniels Ford

### Exterior Features (Continued)

light \* Clearcoat monotone paint \* Snow plow provision

### Warranty

Basic .....	36 month/36,000 miles	Powertrain .....	60 month/60,000 miles
Corrosion .....	60 month/unlimited mileage	Roadside .....	60 month/60,000 miles

### Dimensions and Capacities

Output .....	362 hp @ 4,750 rpm	Torque .....	457 lb.-ft. @ 3,250 rpm
1st gear .....	3.110	2nd gear .....	2.220
3rd gear .....	1.550	4th gear .....	1.000
5th gear .....	0.710	Reverse gear .....	2.880
Curb .....	7,670 lbs.	GVWR .....	18,000 lbs.
Front .....	7,000 lbs.	Rear .....	13,660 lbs.
Payloa .....	10,346 lbs.	Front curb .....	4,433 lbs.
Rear curb .....	3,237 lbs.	Front axle .....	7,000 lbs.
Rear axle .....	13,660 lbs.	Front spring .....	7,000 lbs.
Rear spring .....	13,660 lbs.	Front tire/wheel .....	7,500 lbs.
Rear tire/wheel .....	15,000 lbs.	Towing .....	16,000 lbs.
5th-wheel towing .....	17,100 lbs.	Front .....	41.1 "
Rear .....	42.1 "	Front .....	40.7 "
Rear .....	40.8 "	Front .....	67.6 "
Rear .....	67.6 "	Front shoulder .....	68.0 "
Rear shoulder .....	68.0 "	Passenger area .....	133.5 cu.ft.
Length .....	285.9 "	Body .....	93.9 "
Body .....	80.8 "	Wheelbas .....	200.0 "
Cab to .....	84.0 "	Axle to end of .....	47.6 "
Front .....	74.8 "	Rear .....	74.0 "
Turning .....	28.9 '	Fuel .....	40.0 gal.
Rear frame height .....	28.0 "	Rear frame height .....	33.2 "

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## Selected Options

## 2015 Ford F-550 Chassis

4x4 SD Crew Cab 200" WB DRW XL (W5H)

### Vehicle Snapshot

**Engine:** 6.8L 3-Valve SOHC EFI NA V10  
**Transmission:** TorqShift 5-Speed Auto w/OD  
**Rear Axle Ratio:** Limited Slip w/4.88  
**GVWR:** 18,000 lbs Payload Package

### Description

#### Base Vehicle Price (W5H)

### Packages

#### Order Code 660A

*(99Y) Engine: 6.8L 3-Valve SOHC EFI NA V10; (44T) Transmission: TorqShift 5-Speed Auto w/OD : Includes SelectShift.; (X48) 4.88 Axle Ratio; (STDGV) GVWR: 18,000 lbs Payload Package; (TFB) Tires: 225/70Rx19.5G BSW AS (6); (64Z) Wheels: 19.5" Argent Painted Steel (6); (A) HD Vinyl 40/20/40 Split Bench Seat : Includes driver side manual lumbar support, center armrest, cupholder and storage.; (587) Radio: AM/FM Stereo*

### Powertrain

#### Engine: 6.8L 3-Valve SOHC EFI NA V10

*Torque: 457 ft.lbs. @ 3250 rpm.*

#### Transmission: TorqShift 5-Speed Auto w/OD

*Includes SelectShift.*

#### Limited Slip w/4.88 Axle Ratio

#### GVWR: 18,000 lbs Payload Package

### Wheels & Tires

#### Tires: 225/70Rx19.5G BSW Traction

*Includes 4 traction tires on the rear and 2 all-season tires on the front.*

*Optional spare is BSW all-season.*

#### Wheels: 19.5" Argent Painted Steel (6)

### Seats & Seat Trim

#### HD Vinyl 40/20/40 Split Bench Seat

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### Description

*Includes driver side manual lumbar support, center armrest, cupholder and storage.*

### Other Options

#### **Monotone Paint Application**

#### **200" Wheelbase/84" Cab to Axle**

#### **Cruise Control (LPO) (Fleet)**

*REQUIRES valid FIN code.*

#### **Snow Plow Prep Package**

*Includes pre-selected springs (see Order Guide Supplemental Reference for springs/FGAWR of specific vehicle configurations). NOTE 1: Restrictions apply; see Supplemental Reference or Body Builders Layout Book for details. NOTE 2: Also allows for the attachment of a winch.*

#### **Engine Block Heater (Regional)**

*Standard in Alaska, Colorado, Iowa, Idaho, Massachusetts, Maine, Michigan, Minnesota, Montana, Nebraska, North Dakota, New Hampshire, New York, South Dakota, Vermont, Wisconsin and Wyoming.*

#### **Transmission Power Take-Off Provision**

#### **Radio: AM/FM Stereo w/Digital Clock**

*Includes 2 speakers.*

### Interior Colors For : Primary w/XL (super, crew)

#### **Steel**

### Primary Colors For : Primary w/XL (super, crew)

#### **Vermillion Red**

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### Vehicle Subtotal

### Destination

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### Vehicle Subtotal (including Destination)

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## *Dimensions & Capacities*

## **2015 Ford F-550 Chassis**

**4x4 SD Crew Cab 200" WB DRW XL (W5H)**

Description	Value
<b>Dimensions and Capacities</b>	
Output .....	362 hp @ 4,750 rpm
Torque .....	457 lb.-ft. @ 3,250 rpm
1st gear .....	3.110
2nd gear .....	2.220
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Reverse gear .....	2.880
Curb .....	7,670 lbs.
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Front spring .....	7,000 lbs.
Rear spring .....	13,660 lbs.
Front tire/wheel .....	7,500 lbs.
Rear tire/wheel .....	15,000 lbs.
Towing .....	16,000 lbs.
5th-wheel towing .....	17,100 lbs.
Front .....	41.1 "
Rear .....	42.1 "
Front .....	40.7 "
Rear .....	40.8 "
Front .....	67.6 "
Rear .....	67.6 "
Front shoulder .....	68.0 "
Rear shoulder .....	68.0 "
Passenger area .....	133.5 cu.ft.
Length .....	285.9 "
Body .....	93.9 "
Body .....	80.8 "

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# Dimensions & Capacities Continued

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Description	Value
<b>Dimensions and Capacities</b>	
Wheelbas .....	200.0 "
Cab to .....	84.0 "
Axle to end of .....	47.6 "
Front .....	74.8 "
Rear .....	74.0 "
Turning .....	28.9 '
Fuel .....	40.0 gal.
Rear frame height .....	28.0 "
Rear frame height .....	33.2 "

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## **Warranty**

### **2015 Ford F-550 Chassis**

**4x4 SD Crew Cab 200" WB DRW XL (W5H)**

#### **Description**

#### **Months/Distance**

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Basic .....	36 month/36,000 miles
Powertrain .....	60 month/60,000 miles
Corrosion Perforation.....	60 month/unlimited mileage
Roadside Assistance .....	60 month/60,000 miles

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## Performance Tests

## 2015 Ford F-550 Chassis

4x4 SD Crew Cab 200" WB DRW XL (W5H)

Performance predictions in this report represent an estimate of vehicle performance based on standard operating conditions. Variations in customer equipment, load configuration, ambient conditions, and/or operator driving techniques can cause significant variations in vehicle performance. These values are not representative of results that may be shown in actual dynamometer tests. This report should therefore be used as a guide for comparative vehicle performance.

Performance Start Tests	Calculated	Desired
Start grade capability in gear 1	21.6 %	.0 %
Start grade capability in reverse	20.0 %	.0 %

Performance Grade Tests	Calculated	Desired
Maximum grade in gear 2	16.6 %	3.0 %
Maximum grade in gear 3	11.6 %	3.0 %
Maximum grade in gear 4	7.5 %	3.0 %
Maximum grade in gear 5	5.3 %	3.0 %

### Performance Speed Tests

Given your requirement to go 75 mph, you need a maximum axle ratio of 9.96.  
 Given your requirement to go 55 mph at a grade of 3.0%, you need a minimum of 121 hp.  
 The calculated cruise speed is 62 mph, your desired cruise speed is 60 mph.  
 The engine RPM at 60 mph cruise speed is 2,235 rpm

### Performance Tests Variables in Use

Rear axle ratio:	4.88	Worst road surface	Typical Highway
Gear 1 ratio:	3.11	Final Drive Ratio:	0.71
Gear reverse ratio:	2.88	Rear axle ratio:	4.88
Tire size:	225/70R19.5 (645rev/mile)	Drag Coefficient	0.80
Gross vehicle weight (GVW):	18,000 lbs		
Clutch engagement torque:	228 ft.lbs.		
Torque conversion ratio:	1.9		
Gear 2 ratio:	2.22		
Gear 3 ratio:	1.55		
Gear 4 ratio:	1.00		
Gear 5 ratio:	0.71		
Peak engine torque:	457 ft.lbs.		
Engine Power:	362 hp @ 4,750 rpm		
Governed RPM:	5,700 rpm		
Frontal Area:	46.8 Sq.Ft.		
Cruising RPM	2,300 rpm		

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**Performance Weight Tests**

Variables	Front Axle	Rear Axle	Totals
Chassis	4,433 lbs	3,237 lbs	7,670 lbs
Body	0 lbs	0 lbs	0 lbs
Occupants	600 lbs	300 lbs	900 lbs
Fuel	160 lbs	80 lbs	240 lbs
1 Max. Payload	1,401 lbs	7,789 lbs	9,190 lbs
<b>TOTAL</b>	<b>6,594 lbs</b>	<b>11,406 lbs</b>	<b>18,000 lbs</b>

**Weights**



Ratings	Front Axle	Rear Axle	GVWR
GAWR	7,000 lbs	13,660 lbs	18,000 lbs
Wheels/Tires	7,500 lbs	15,000 lbs	
Suspension	7,000 lbs	13,660 lbs	
Axle	7,000 lbs	13,660 lbs	
Legal Limit	0 lbs	0 lbs	

**Weight Summary**

	Calculated	GAWR	Legal Limits
Front axle load is	6,594 lbs	7,000 lbs	0 lbs
Rear axle load is	11,406 lbs	13,660 lbs	0 lbs

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