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Customer Proposal

Prepared for:

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Date: 10/25/2016

Vehicle: 2017 F-550 Chassis XL
4x4 SD Regular Cab 145" WB DRW





Selected Equipment & Specs

Dimensions

- * Exterior length: 230.7"
- * Exterior height: 81.5"
- * Front track: 74.8"
- * Min ground clearance: 8.2"
- * Front headroom: 40.8"
- * Front shoulder room: 66.7"
- * Cargo volume: 11.6cu.ft.
- * Exterior width: 105.9"
- * Wheelbase: 145.0"
- * Rear track: 74.0"
- * Front legroom: 43.9"
- * Front hiproom: 62.5"
- * Passenger volume: 64.6cu.ft.
- * Maximum cargo volume: 11.6cu.ft.

Powertrain

- * 288hp 6.8L SOHC 30 valve V-10 engine with SMPI federal
- * Part-time
- * Fuel Economy Cty: N/A
- * Recommended fuel : regular unleaded
- * TorqShift 6 speed automatic transmission with overdrive
- * Limited slip differential
- * Fuel Economy Highway: N/A

Suspension/Handling

- * Front Mono-beam non-independent suspension with anti-roll bar, HD shocks
- * Firm ride Suspension
- * Front and rear 19.5 x 6 argent steel wheels
- * Dual rear wheels
- * Rear DANA 130 rigid axle leaf spring suspension with anti-roll bar, HD shocks
- * Hydraulic power-assist re-circulating ball Steering
- * LT225/70SR19.5 GBSW AS front and rear tires

Body Exterior

- * 2 doors
- * Black door mirrors
- * Trailer harness
- * Front and rear 19.5 x 6 wheels
- * Driver and passenger folding door mirrors
- * Black bumpers
- * Clearcoat paint

Convenience

- * Manual air conditioning with air filter
- * Manual front windows
- * Manual tilt steering wheel
- * Day-night rearview mirror
- * Front cupholders
- * Cruise control with steering wheel controls
- * Manual door locks
- * Manual telescopic steering wheel
- * 1 1st row LCD monitor
- * Passenger visor mirror

Seats and Trim

- * Seating capacity of 3
- * 4-way driver seat adjustment
- * 4-way passenger seat adjustment
- * Front 40-20-40 split-bench seat
- * Manual driver lumbar support
- * Centre front armrest with storage

Entertainment Features

- * AM/FM stereo radio
- * Fixed antenna
- * 4 speakers

Lighting, Visibility and Instrumentation

- * Halogen aero-composite headlights
- * Fully automatic headlights
- * Light tinted windows
- * Tachometer
- * Delay-off headlights
- * Variable intermittent front windshield wipers
- * Front reading lights
- * Oil pressure gauge

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Selected Equipment & Specs (cont'd)

- * Outside temperature display
- * Trip odometer
- * Trip computer

Safety and Security

- * 4-wheel ABS brakes
- * Driveline traction control
- * Dual seat mounted side impact airbag supplemental restraint system
- * Manual door locks
- * 4-wheel disc brakes
- * Dual front impact airbag supplemental restraint system with passenger cancel
- * Safety Canopy System curtain 1st row overhead airbag supplemental restraint system
- * Manually adjustable front head restraints

Dimensions

General Weights

Curb	7048 lbs.	GVWR	19000 lbs.
Front GAWR	6500 lbs.	Rear GAWR	13660 lbs.
Payload	11960 lbs.	Front curb weight	3931 lbs.
Rear curb weight	3117 lbs.	Front axle capacity	7000 lbs.
Rear axle capacity	14706 lbs.	Front spring rating	6500 lbs.
Rear spring rating	15000 lbs.	Front tire/wheel capacity	7500 lbs.
Rear tire/wheel capacity	15000 lbs.		

Trailer Type

Harness	Yes	Trailer sway control	Yes
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General Trailering

5th-wheel towing capacity	20400 lbs.	Towing capacity	18500 lbs.
GCWR	28000 lbs.		

Fuel Tank type

Capacity	40 gal.
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Off Road

Min ground clearance	8 "
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Interior cargo

Cargo volume	11.6 cu.ft.	Maximum cargo volume	11.6 cu.ft.
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Powertrain

Engine Type

Block material	Iron	Cylinders	V-10
Head material	Aluminum	Ignition	Electronic
Injection	Sequential MPI	Liters	6.8L
Orientation	Longitudinal	Recommended fuel	Regular unleaded
Valves per cylinder	3	Valvetrain	SOHC

Engine Spec

Bore	3.55"	Compression ratio	9.2:1
Displacement	415 cu.in.	Stroke	4.16"

Engine Power

Output	288 HP @ 4,000 RPM	Torque	424 ft.-lb @ 3,000 RPM
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Alternator

Type	HD	Amps	200
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Selected Equipment & Specs (cont'd)

Battery

Amp hours	78	Cold cranking amps	750
Run down protection	Yes	Type	HD

Engine Extras

Block heater	Yes
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Transmission

Electronic control	Yes	Lock-up	Yes
Overdrive	Yes	Speed	6
Type	Automatic		

Transmission Gear Ratios

1st	3.974	2nd	2.318
3rd	1.516	4th	1.149
5th	0.858	6th	0.674
Reverse Gear ratios	3.128		

Transmission Torque Converter

Stall ratio	1.90
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Transmission Extras

Driver selectable mode	Yes	Sequential shift control	SelectShift
Oil cooler	Regular duty		

Drive Type

4wd type	Part-time	Type	Four-wheel
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Drive Feature

Limited slip differential	Mechanical	Traction control	Driveline
Locking hub control	Manual	Transfer case shift	Manual

Drive Axle

Ratio	4.88
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Exhaust

Material	Stainless steel	System type	Single
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Emissions

CARB	Federal	EPA	Tier 2 Bin 8
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fuel Economy

Fuel type	Gasoline
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Driveability

Brakes

ABS	4-wheel	ABS channels	3
Type	4-wheel disc	Vented discs	Front and rear

Suspension Control

Ride	Firm
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Front Suspension

Independence	Mono-beam non-independent	Anti-roll bar	Regular
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Front Spring

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Selected Equipment & Specs (cont'd)

Type	Coil	Grade	HD
<i>Front Shocks</i>			
Type	HD		
<i>Rear Suspension</i>			
Independence	DANA 130 rigid axle	Type	Leaf
Anti-roll bar	Regular		
<i>Rear Spring</i>			
Type	Leaf	Grade	HD
<i>Rear Shocks</i>			
Type	HD		
<i>Steering</i>			
Activation	Hydraulic power-assist	Type	Re-circulating ball
<i>Steering Specs</i>			
# of wheels	2		

Exterior

<i>Front Wheels</i>			
Diameter	19.5"	Width	6.00"
<i>Rear Wheels</i>			
Diameter	19.5"	Width	6.00"
Dual	Yes		
<i>Front and Rear Wheels</i>			
Appearance	Argent	Material	Steel
<i>Front Tires</i>			
Aspect	70	Diameter	19.5"
Sidewalls	BSW	Speed	S
Tread	AS	Type	LT
Width	225mm	LT load rating	G
RPM	647		
<i>Rear Tires</i>			
Aspect	70	Diameter	19.5"
Sidewalls	BSW	Speed	S
Tread	AS	Type	LT
Width	225mm	LT load rating	G
RPM	647		
<i>Wheels</i>			
Front track	74.8"	Rear track	74.0"
Wheelbase	145.0"		
<i>Body Features</i>			
Front license plate bracket	Yes	Front splash guards	Yes
Body material	Aluminum	Side impact beams	Yes
<i>Body Doors</i>			
Door count	2		

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Selected Equipment & Specs (cont'd)

Exterior Dimensions

Length	230.7"	Body width	105.9"
Body height	81.5"	Cab to axle	60.0"
Axle to end of frame	47.2"	Frame section modulus	17.2cu.in.
Frame rail width	34.2"	Front bumper to Front axle	38.3"
Front bumper to back of cab	123.7"		

Safety

Airbags

Driver front-impact	Yes	Driver side-impact	Seat mounted
Overhead ... Safety Canopy System curtain 1st row		Passenger front-impact	Cancellable
Passenger side-impact	Seat mounted		

Seatbelt

Height adjustable	Front
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Seating

Passenger Capacity

Capacity	3
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Front Seats

Split	40-20-40	Type	Split-bench
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Driver Seat

Fore/aft	Manual	Reclining	Manual
Way direction control	4	Lumbar support	Manual

Passenger seat

Fore/aft	Manual	Reclining	Manual
Way direction control	4		

Front Head Restraint

Control	Manual	Type	Adjustable
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Front Armrest

Centre	Yes	Storage	Yes
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Front Seat Trim

Material	Vinyl	Back material	Vinyl
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Convenience

AC And Heat Type

Air conditioning	Manual	Air filter	Yes
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Audio System

Radio	AM/FM stereo	Radio grade	Regular
Seek-scan	Yes		

Audio Speakers

Speaker type	Regular	Speakers	4
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Audio Antenna

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Selected Equipment & Specs (cont'd)

Type	Fixed		
LCD Monitors			
1st row	1	Primary monitor size (inches)	2.3
Cruise Control			
Cruise control	With steering wheel controls		
Convenience Features			
12V DC power outlet	2		
Door Lock Activation			
Type	Manual		
Instrumentation Type			
Display	Analog		
Instrumentation Gauges			
Tachometer	Yes	Oil pressure	Yes
Engine temperature	Yes	Transmission fluid temp	Yes
Engine hour meter	Yes		
Instrumentation Warnings			
Oil pressure	Yes	Engine temperature	Yes
Battery	Yes	Lights on	Yes
Key	Yes	Low fuel	Yes
Door ajar	Yes	Service interval	Yes
Brake fluid	Yes		
Instrumentation Displays			
Clock	In-radio display	Exterior temp	Yes
Systems monitor	Yes		
Instrumentation Feature			
Trip computer	Yes	Trip odometer	Yes
Steering Wheel Type			
Material	Urethane	Tilting	Manual
Telescoping	Manual		
Front Side Windows			
Window 1st row activation	Manual		
Window Features			
Tinted	Light		
Front Windshield			
Wiper	Variable intermittent		
Rear Windshield			
Window	Fixed		

Interior

Passenger Visor	
Mirror	Yes
Rear View Mirror	

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Selected Equipment & Specs (cont'd)

Day-night	Yes		
Headliner			
Coverage	Full	Material	Cloth
Floor Trim			
Coverage	Full	Covering	Vinyl/rubber
Trim Feature			
Gear shift knob	Urethane	Interior accents	Chrome
Lighting			
Dome light type	Fade	Front reading	Yes
Variable IP lighting	Yes		
Storage			
Front Beverage holder(s)	Yes	Glove box	Locking
Illuminated	Yes	Instrument panel	Bin
Dashboard	Covered		
Legroom			
Front	43.9"		
Headroom			
Front	40.8"		
Hip Room			
Front	62.5"		
Shoulder Room			
Front	66.7"		
Interior Volume			
Passenger volume	64.6 cu.ft.		

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Selected Options

Description

Base Vehicle Price (F5H)

Order Code 660A

Includes:

- Engine: 6.8L 3-Valve SOHC EFI NA V10
Includes CNG/Propane gaseous engine prep, hardened engine intake and valve seats. This package does not include CNG/Propane fuel tanks, lines, etc. Vehicle will be equipped with the standard factory gasoline fuel system. Additional equipment combined with Certified calibration reflash is required, from an external upfitter, to convert the vehicle to a CNG/Propane fueled vehicle. See Alternative Fuel Buyers Guide: www.ford.com/altfuelbuyersguide.
- Transmission: TorqShift 6-Speed Automatic (6R140)
Includes SelectShift.
- Tires: 225/70Rx19.5G BSW AS
- Wheels: 19.5" Argent Painted Steel
Includes manual locking hubs.
- HD Vinyl 40/20/40 Split Bench Seat
Includes center armrest, cupholder, storage and driver's side manual lumbar.
- Radio: AM/FM Stereo
Includes 4 speakers.

Engine: 6.8L 3-Valve SOHC EFI NA V10

Includes CNG/Propane gaseous engine prep, hardened engine intake and valve seats. This package does not include CNG/Propane fuel tanks, lines, etc. Vehicle will be equipped with the standard factory gasoline fuel system. Additional equipment combined with Certified calibration reflash is required, from an external upfitter, to convert the vehicle to a CNG/Propane fueled vehicle. See Alternative Fuel Buyers Guide: www.ford.com/altfuelbuyersguide.

Transmission: TorqShift 6-Speed Automatic (6R140)

Includes SelectShift.

Limited Slip w/4.88 Axle Ratio

GVWR: 19,000 lbs Payload Upgrade Package

Includes upgraded frame and upgraded rear-axle. NOTE: See Order Guide Supplemental Reference for further details on GVWR and payload ranges.

Tires: 225/70Rx19.5G BSW AS

Wheels: 19.5" Argent Painted Steel

Includes manual locking hubs.

HD Vinyl 40/20/40 Split Bench Seat

Includes center armrest, cupholder, storage and driver's side manual lumbar.

Monotone Paint Application

145" Wheelbase

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

Center High-Mounted Stop Lamp (CHMSL)

Radio: AM/FM Stereo

Includes 4 speakers.

Steering Wheel-Mounted Cruise Control (LPO)

REQUIRES valid FIN code.

Fleet Advertising Credit

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Selected Options (cont'd)

Description

50-State Emissions System

Medium Earth Gray

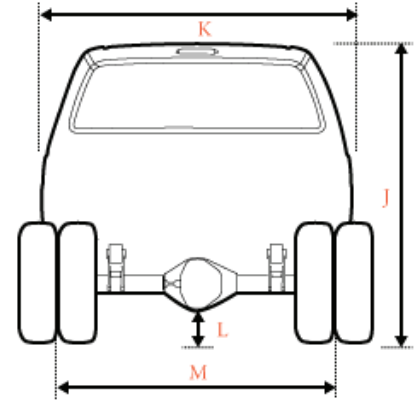
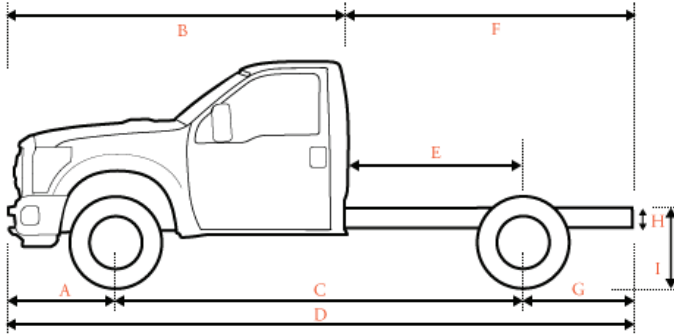
Race Red

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Performance

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.



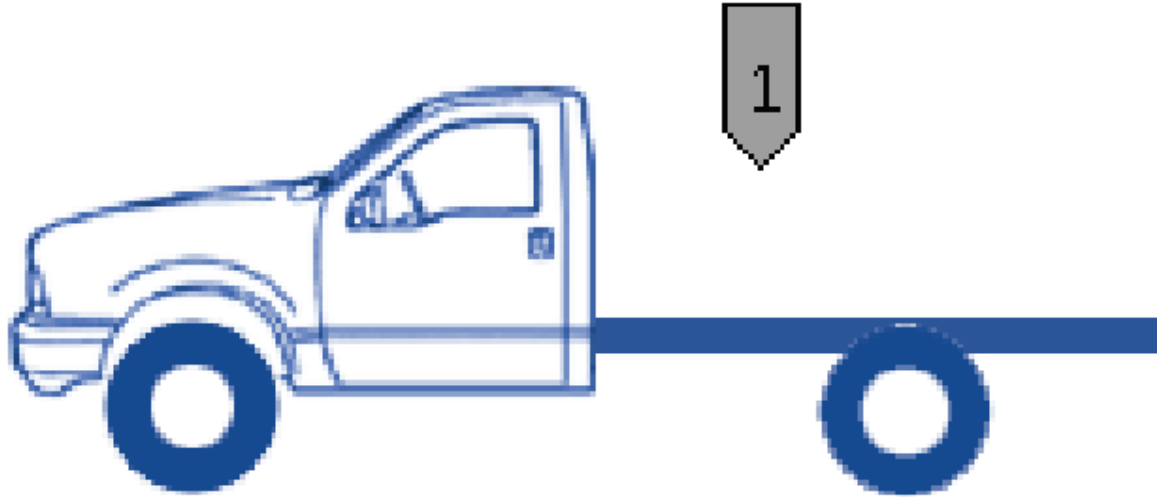
Dimensions

A	Front of Bumper to Front Axle	38.30 in.
B	Front Bumper to Back of Cab (BBC)	123.70 in.
C	Wheelbase (WB)	145.00 in.
D	Overall Length (OAL)	230.70 in.
E	Back of Cab to Rear Axle (CA)	60.00 in.
F	Back of Cab to End of Frame	107.20 in.
G	Rear Axle to End of Frame (AF)	47.20 in.
H	Frame Section Height	N/A
I	Rear Frame Height Unloaded	N/A
I	Rear Frame Height Loaded	N/A
J	Cab Height	81.50 in.
K	Body Width	105.90 in.
L	Maximum Ground Clearance	N/A
L	Minimum Ground Clearance	8.20 in.
M	Front Tread	74.80 in.
M	Rear Tread	74.00 in.

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Performance (cont'd)



Weight

GVW	Front Axle	Rear Axle	Totals
Chassis	3,931 lbs	3,117 lbs	7,048 lbs
Body	0 lbs	0 lbs	0 lbs
Occupant	300 lbs	150 lbs	450 lbs
1 Max Payload - (Max. Payload)	2,269 lbs	9,233 lbs	11,502 lbs
TOTAL	6,500 lbs	12,500 lbs	19,000 lbs

Ratings	Front Axle	Rear Axle	GVWR
GAWR	6,500 lbs	13,660 lbs	19,000 lbs
Wheels/Tires	7,500 lbs	15,000 lbs	
Suspension	6,500 lbs	15,000 lbs	
Axle	7,000 lbs	14,706 lbs	
Legal Axle Limit	0 lbs	0 lbs	

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Performance (cont'd)

Start, Grade and Speed

Start	Ratio	Desired	Calculated
Start grade capability in 1st gear	3.97	15.00 %	24.86 %
Start grade capability in reverse	3.13	15.00 %	19.57 %
Grade	Ratio	Desired	Calculated
Maximum grade in 4th gear	1.15	3.00 %	7.57 %
Maximum grade in 5th gear	0.86	3.00 %	5.65 %
Maximum grade in 6th gear	0.67	3.00 %	4.44 %
Speed		Desired	Calculated
Top Speed (level grade)		75 mph	85 mph
<i>To meet your requirement you need a maximum axle ratio of 8.81</i>			
Top Speed on 3.0% grade		55 mph	
<i>To meet your requirement you need a maximum of 131 hp</i>			
Cruise Speed		60 mph	73 mph
Engine RPM at desired cruise speed			2,128 rpm

Variables in Use

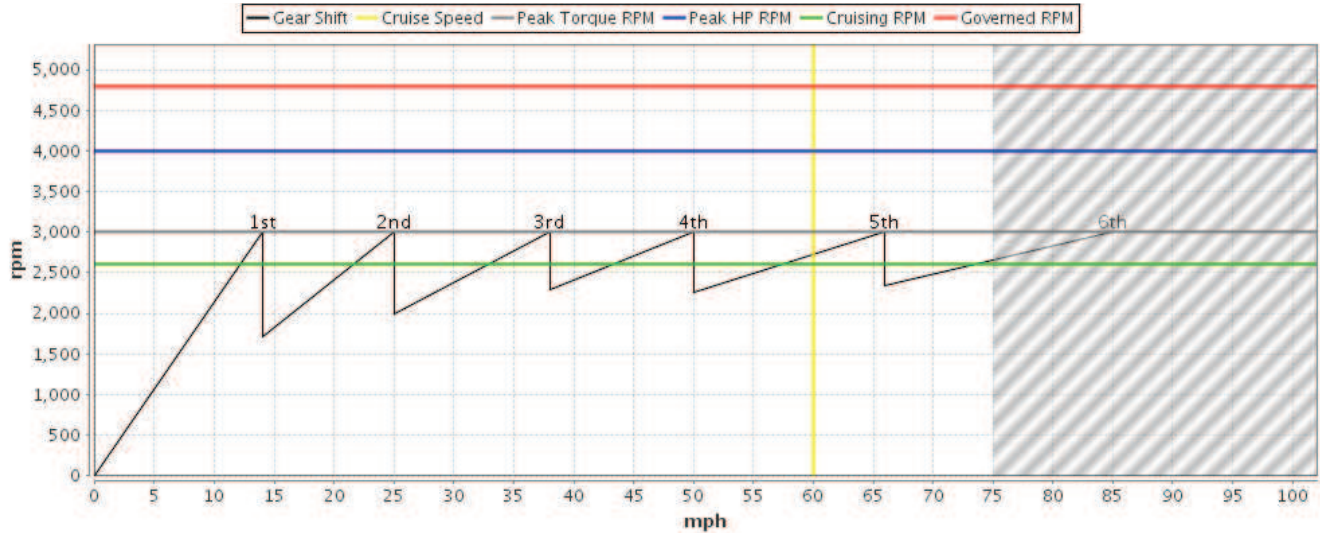
Rear axle ratio:	4.88/4.88	Peak Torque RPM:	3,000 rpm
Tire size:	225/70R19.5 (647 rev/mile)	Frontal Area:	53.32 Sq.Ft.
Gross Vehicle Weight (GVW):	19,000 lbs	Cruising RPM:	2,600 rpm
Clutch engagement torque:	212 ft.lbs.	Worst road surface:	Typical Highway
Torque conversion ratio:	1.90	Final Drive Ratio:	0.67
Peak engine torque:	424 ft.lbs.	Drag Coefficient:	0.80
Engine Power:	288 hp @ 4,000 rpm		

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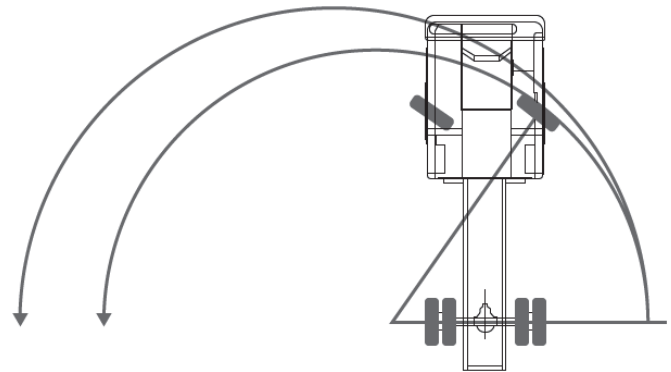
Performance (cont'd)

Shift Chart



Turning Radius

Turning Radius N/A



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