

COMPETITIVE COMPARISON GUIDE: LIGHT DUTY

no.

-

- ▶ International[®] TerraStar™
- ▶ Ford
- Dodge



A NAVISTAR COMPANY



A REAL-WORLD TEST

TerraStar ... the name says it all. A truck born out of International's 100-years of commercial truck experience engineered for best-in-class performance in the gritty world you work in.

Beginning with commercial-duty DNA, the largest cab in its class, best-in-class visibility, 80,000 PSI frames and MaxxForce[®] power, TerraStar from the get-go was designed to exceed the expectations of light-duty truck customers ... and to set new industry Class 4/5 market standards.

To discover how well we succeeded, we put TerraStar to a real-world test — against its real-life competitors. A test conducted by a disinterested third party of trucking professionals.

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The tests were conducted with the highest level of objectivity. Meticulous attention was paid to detail. Measurements were taken from "actual built" vehicles. Specifications, as closely as possible, matched each manufacturer's equipment availability and compatibility parameters. And most importantly, in order to maintain absolute consistency, measurements were performed in precisely the same manner across all models.

Word's gotten out. Our competitors know how good we are Here's your opportunity to find out for yourself.

This document was prepared by an independent third party and is intended for the exclusive use of International Truck and its dealers. The information and conclusions contained within is believed to be correct at time of publication, but does not necessarily apply to similar vehicles with different specifications or with production dates after this analysis was conducted. Vehicles with different specifications or later dates of manufacture could yield different results. Vehicle specifications are subject to change without notice. All marks are trademarks of their respective owners.

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AVAILABLE SPECIFICATIONS

A Middleweight Punch

From a design perspective, TerraStar is a commercial grade truck.

We began by using our medium duty commercial experience and came up with a uniquely tough Class 4/5 entry.

Weighing in as a light weight, TerraStar delivers a middleweight punch. Nimble on its feet ... it's perfect for maneuvering around congested job sites and city streets.

But with the largest cab in its class, 80,000 PSI frames and MaxxForce[®] power, TerraStar can mix it up in the toughest commercial vocations.

- Construction
- Landscaping
- Recovery
- Pickup and Delivery
- Municipal

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→ Fire/rescue

BBC	107"	Transmissions	Allison: 1000 Series (HS, RDS, EVS) automatic
ВА	32.5"	Front Axles	Dana Spicer: 6,000 – 7,000 lbs.
Axle Configurations	4X2	Rear Axles	Dana Spicer: 10,000 – 13,500 lbs.
Cab Configurations	Standard Cab Extended Cab Crew Cab	Brakes	Hydraulic Disc Brak with ABS
Engine	MaxxForce [®] 7: 300HP / 660 lbsft.	Tires	Bridgestone, Continental. Michel

Goodyear





COMPETITIVE SET

In real-world testing, TerraStar went cab-to-cab, axle-toaxle, powertrain-to-powertrain, measurement-to-measurement against its two leading market competitors: the Ford F-450/550 and the Dodge Ram 4500/5500.

Everything you essentially need to know about them ... their weight ratings, their engines, their transmissions, axles, comparisons, tires and warranties ... is in the comparisons.

To guarantee an apples-to-apples comparison — the specifications match, as closely as possible, each manufacturer's equipment availability and compatibility parameters. Me

Trans

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Fre

Sus

Tire Manu

Front Ti Rear Ti Base V



Model:	TerraStar	Ford F-550	Dodge 5500
odel Year	2012	2011	2011
BBC:	107"	118"	123"
Engine:	MaxxForce 7 300 HP	Power Stroke 300 HP	Cummins ISB 305 HP
smission:	Allison 10000 RDS automatic	SelectShift 6-speed automatic	AISIN 6-Speed automatic
heelbase:	134"	201"	168"
Frame:	80,000 PSI	36,000 PSI	50,000 PSI
ront Axle:	I-Beam 6,000 lbs.	Monobeam 7,000 lbs.	Solid non-independent 7,000 lbs.
Rear Axle:	Dana 10,000 lbs.	Dana 14,706 lbs.	Dana 13,500 lbs.
spension:	11,000 lb. V-rate	15,000 lb. Multi-leaf	13,500 lb. Multi-leaf
GVWR:	16,000 lbs.	19,500 lbs.	19,500 lbs.
ufacturer:	Continental	Continental	Continental
Tire Size:	225/70R 19.5	225/70R 19.5	225/70R 19.5
ire Tread:	HSR	HSR	HSR
ire Tread:	HDR	HSR	HDR
Warranty:	3 years	3 years	3 years

CAB DESIGN

Cab Construction

- Medium duty, commercially-proven cab design
- High strength, low alloy (HSLA) reinforced, cold rolled steel cab
- High strength, double-sided galvanized steel construction
- Solid feeling, stable riding 82" wide cab
- International cabs, extended cabs, and crew cabs pass the more rigorous SAE J2422 cab roof strength test versus the standard European ECE 29 roof strength requirement, which only tests for a uniform vertical load applied to the roof. SAE J2422 also tests for angled side loads which is a National Fire Protection Association (NFPA) requirement.*

Entry/Egress

- 62° door swing and 51.75" door height makes it one of the easiest cabs in the industry to access
- Large, sturdy frame-mounted cab steps for safe entry

Hood and Windshield Design

- Best-in-class commercial style tilt-away hood offers unobstructed access to the engine compartment.
- 15° sloping hood for improved aerodynamics
- Plenum design channels engine-intake air through ducts removing particulate matter and moisture as it flows, providing cleaner, dryer air to air cleaner
- Large, curved, swept-back windshield helps deflect road debris and provides excellent visibility









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With world class fit and finish the TerraStar cab is comfortable and durable — comprised of

- High Strength Low Alloy (HSLA) double-sided galvanized steel and standard cold rolled steel
- HSLA in critical cab areas: A-pillars, cab mounts, dash and underbody — for greater durability
- "E-Coating" welded cab assembly receives a phosphate bath that etches the material for enhanced adhesion of the coating...then dipped into an electro-statically applied primer (E-coat)
- Base coat/urethane clear coat paint process offers outstanding resistance to corrosion and fading, and is backed by a 12-month unlimited cab warranty

Cab Durability

One-piece door frame and panels are major factors in cab durability, structure and sealing.

 One piece of steel surrounds entire door opening providing superior structural integrity

Door Design

Well balanced doors open to 62° — include integrated door check feature.

- Flush, ergonomic door handles are large enough for gloved hands
- E-Coated internal door construction components are designed to be
- operated in wet conditions





BBC	107"
Cabs	Standard, 26" Extended and 44" Crew cab
Cab Construction	High-strength, welded steel
Cab Suspension	4-Point rubber mount
Door Hinge	Internal door hinge design
Door Width	36.75"
Door Swing Angle	62°
r Opening Height	51.75"
Cab Floor	Flat across
Mirror Type	Commercial breakaway type with convex

Mirror Size Main Mirror: 110 sq. in. Convex: 50 sq. in. Ford F-450/550



118"
Regular, 21" Extended and 35" Crew cab
Welded steel
Rubber mounts
Internal door hinge design
40.25"
62°
47.25"
Contoured with transmission tunnel in center
Automotive-style, with integrated convex
Main Mirror: 53 sq. in. Convex: 21 sq. in.

Dodge 4500/5500



123"

Regular and 29" Crew cab

Welded steel

Glycol filled hydro mounts

Internal automotive-style door hinge design

42.50"

66°

46.50

Contoured with transmission tunnel in center

Automotive-style, fold-in arms with integrated convex. Mirror head can be rotated 90° to accommodate rear visibility for trailer towing

Main Mirror: 52 sq. in. Convex: 16 sq. in.

Benefits

- A proven medium-duty commercial truck platform
- Shorter BBC provides a more compact vehicle and excellent weight transfer for maximized maneuverability and payload capacity
- A flat floor provides ample room and makes installation of upfitter equipment easier
- Commercial truck style breakaway mirrors help protect doors from damage if the mirror is hit
- Large mirrors increase driver's view and supports safety

The three-piece design of the TerraStar hood features a highstrength composite hood and fiber-reinforced composite fenders.

- Requires less reinforcements for a lighter hood
- Replace just the damaged panel not entire hood
- Aerodynamic 75° sloping hood
- Full-tilting hood makes serviceability easy
- Sealed beam headlights are easily accessible

Integrated Plenum Design

- Effectively removes particles and moisture from the ambient atmosphere providing cleaner, dryer air to the air cleaner
- Requires less reinforcing, resulting in a lighter and easier to manage hood

Well-Balanced, Lighter-Feeling Hood

- Opens with a minimal 17.7 lbs. of effort
- Hood is easily operated from ground level
- Features an integral torsion bar, dual cables and rebound springs for a light-weight feel and trouble-free design

TERRAS HAL



Hood Construction3-piece high strength
compositeHood DesignFull-tiltingHood MechanicsDual cable stays and springs

Tilt Assist Torsion bar Splash Shields Stationary mounted to frame Commercial grade design

Air Intake Integrated plenum design with LH side of hood intake

Hood Operation Simple to close hood, standing at ground level for nearly any driver Ford F-450/550



Stamped sheet metal

Automotive-style front opening

Automotive-style dual gas struts

Not available

Located in engine compartment mounted to inboard side of wheel wells

RH side of engine compartment below fender

Smaller drivers may need to stand on front bumper to reach raised hood

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Dodge 4500/5500



Stamped sheet metal

Automotive-style front opening

Automotive-style dual gas struts

Not available

Located in engine compartment mounted to inboard side of wheel wells

RH side of engine with intake opening on inboard side of wheel well but no apparent outboard intake opening

Smaller drivers may need to stand on front bumper to reach raised hood

Note: Hood release lever located at bottom of dash console, under steering column—not convenient location if sitting in cab

Benefits

- A true commercial-style hood instead of a pickup carryover
- Only full forward-tilting hood in its class
- Easy to close hood from ground level
- Fender, grille, hood all tilt out of the way
- Best-in-class ease of service to entire engine and front frame

Hood tilt methodology

The same, average sized person (5'10") performed 7 hood pull trials with a digital meter for each of the 4 vehicles. We discarded the high and low measurements and averaged the remaining 5 to determine our result. This result represents the greatest effort until the point momentum takes over.

STEPS AND GRAB HANDLES

TERRASKAN
POWERED BY MAXXFORC



Frame / battery-box mounted

Ford F-450/550



Cab-mounted running boards

6"

17.50"

vailable

Cab entry and egress is one of the most important features related to driver safety, satisfaction and productivity.

Cab steps	Step Material	Commercial grade steel	Molded plastic
 Commercial Grade construction and design for enhanced durability 	Step Size	Length: 35.25" Width: 6"	Length: 40" Width: 6"
 Industry standard tread design 	Area 🗛	211.5 sq. in.	240 sq. in.
• A large surface area consistently spaced for predictable cab entry	Step Off-Set	1st step to cab: 8"	1st step to cab: (
 Off-set design — provides a stable platform for bulky work boots Ergonomically Designed spacing to help minimize driver fatigue 	Step Spacing B	Ground-to-step: 19" Step-to-cab: 14.25"	Ground-to-step: Step-to-cab: 9"
Grab Handles Well positioned, ergonomically designed and are available in different configurations:	Exterior Grab Handles	Optional LH & RH at B-Pillar Chrome with optional anti-slip rubber insert or black aluminum	Not Available Not Available
 A-Pillar B-Pillar 	Interior Grab Handles	LH: B-Pillar RH: A- and B-Pillar	LH: A-Pillar RH: A-Pillar
 Interior or exterior, LH or RH side 	Length	A-Pillar: 11" B-Pillar: 23.50" Door: 5"	A-Pillar: 8" B-Pillar: Not ava Door: 5"

Step Mounting



Dodge 4500/5500



Standard: No step/ running boards

Optional: Under-cab mounted running boards in either black or chrome

Not applicable

Not applicable Not applicable

Not applicable

Not applicable

Ground to cab: 28.5" Not applicable

Not Available Not Available

LH: A-Pillar RH: A-Pillar

A-Pillar: 6.50" B-Pillar: Not available Door: 4.75"

Benefits

- Purposely designed for the work truck environment
- Commercial Grade strength and durability
- Steps are large enough to accommodate bulky work boots
- Optional exterior grab handles for added safety and entry/egress
- Step placement and spacing with available exterior grab handles are designed to provide proper 3-point cab entry and exit

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Large, Swept-Back Windshield

- Improves fuel economy
- Provides outstanding visibility and reduces the risk of damage from road debris

CAB GLASS

3 3 9

Improve cab sealing to reduce exterior noise and water leakage

A-pillars Positioned to

- Minimize snow-packing
- Improve forward and peripheral visibility
- Reduce road noise while providing a dry and comfortable driver

Available Heated Windshield

- Is not offered by these competitors
- Windshield is heated at the base to help reduce snow and ice packing in the cowl tray
- A Standard Functional Vent Window
- Improves ventilation without operating the HVAC
- Directs fresh air into the cab exactly where needed

Total Cab Viewable Glass Area **Total Viewable** Windshield Area Windshield Slope Heated Windshield Wiper Coverage Vent Window



A	3,639 sq. in.
	1,661 sq. in.
	64°
	Available
B	1,290 sq. in., 78%
	Standard

Ford F-450/550



3,570 sq.in.
1,511 sq. in.
37°
Not Available
1,212 sq. in., 80%
Not Available



Glass area methodology

graph paper.

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Dodge 4500/5500



3,402 sq.in.

1,521 sq. in.

37°

Not Available

1,198 sq. in., 79%

Not available

Benefits

- Commanding view of the road
- Optional heated windshield for safe winter operation
- Vent window allows for superior ventilation
- Excellent 360 degree view around cab

Glass and wiper area was determined by placing a transparent overlay over the glass, outlining only the viewable area (total glass less blacked-out, border areas, etc.) and transposing against scaled engineering

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VISIBILITY

Visibility is vital to driver comfort and safety. Poor sight lines — especially in congested areas — adds stress and strain while reducing productivity. TerraStar provides consistent forward visibility that is competitive in all areas.

Many things affect visibility:

- Hood shape and length
- Windshield design
- Positioning of pillars, wipers mirrors and hood ornaments
- Height and design of the fenders and door glass

Visibilty Methodology

Our standard reference position represents a natural, comfortable seating position for an average sized (5'10") person.

A major factor in visibility is the driver's position within the cab. Due to the lack of availability of variable height suspension seating and much lower cab heights in many competing light duty models (in some cases nearly 12") drivers generally sit lower in the cab. This lowers the driver's perspective and reduces visibility. The driver sits higher in the TerraStar cab, thereby improving visibility.

The ranging pivots about our reference position and projects at regular intervals as represented by the noted variables. The point at which the projection becomes visible at ground level represents the closest an object becomes visible to the driver, as seated in our reference position.

K VISIBILITY

E

D

 (\mathbf{N})

F





174	1"		
263	3"		
282	2"		
309	Э"		_
30	6"		
282	2"		
111	l"		
120)"		
12()"		
130	6"		
29	7"		
293	3"		
25	7"		
259	9"		

Ford F-450/550



428"

454" 440"

442"

131" 142" 137" 164"

276" 247" 254"

B Main windshield	
Left side – closest point near dash	A
Straight-ahead view	В
View over center of hood	c
View over right hand corner of hood	D
View at wiper blade	E
Right side – closest point near dash	F
Left side door	
Rear-most corner	G
Center curve at top	н
Center curve at bottom	- 1
Forward-most corner	J
Right side door	
Rear-most corner	K
Center curve at top	- L
Center curve at bottom	M
Forward-most corner	N

G

J

A

CAB DESIGI

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Dodge 4500/5500



341"	
481"	
518"	
590"	
660"	
565"	
341"	
481"	
518"	
590"	
660"	
565"	
341"	
481"	
518"	

Benefits

- Best-in-class affords the driver a commanding view of the road
- Improves safety for the driver and those he shares the road with
- Minimizes the chance of costly vehicle damage
- Superior visibility eases driver stress and improves productivity
- Excellent visibility improves performance within tight job sites and congested city streets
- Provides the driver with superior perspective to negotiate difficult conditions

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CAB INTERIOR

Quality Ride

- Four-point rubber cab mounts isolate the cab from road noise and vibration
- Premium cab insulation and tight, automotive-grade cab seam tolerances reduce noise, vibration and harshness generated by severe temperatures and road noise

Comfort and Productivity

- The 82" cab is wide enough to be comfortable on the inside ... and small enough to keep it maneuverable on the job
- High-output HVAC systems and available stateof-the-art filtration systems help keep occupants productive in extreme environments
- Standard overhead console, dual cup holders, fully trimmed cab with no exposed sheet metal, driver's door pocket, the list goes on
- Numerous seat options enhance driver comfort

Easy Upfitting

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- Center dash panels are able to accommodate banks of auxiliary switches for a more seamless integration of aftermarket controls
- Flat cab floor allows for routine installation of body control equipment









AB INTERIOF



CAB SIZE

The TerraStar Advantage

In work truck applications, you need a cab that is large enough to pack a punch, but small enough to be quick on its feet.

- A roomy, comfortable cab with plenty of space for body equipment controls.
- The cab is spacious, yet comfortably trim ... with an overall exterior width of 82"
- All the advantages of a medium duty cab

Interior

- ▶ Interior width is the Best-in-class 8" wider at the side glass than the F-550
- Cab height is 11" greater than the competition
- The most headroom in its class
- Cab volume is 30 percent larger than the F-550, and nearly 20% larger than Dodge 5500

TerraStar's Flat Floor

- Supports trouble-free installation of upfitter equipment and body control systems
- The F-550 and Dodge 5500 have a transmission tunnel running down the center of the cab

Cab Measurement Methodology

All vehicle measurements were obtained by the same personnel, in the same manner, at the same interior reference points — using (wherever possible) a digital range meter with an accuracy rating of ± 1.5 mm. Measurements were rounded off to the nearest .25".

25

CAB SIZE

CAB SIZE			
		<image/>	Ford F-450/550
Width			
A-pillar to A-pillar @ Dash		69.25"	59.25"
A-pillar to A-pillar @ Headliner	В	65.75"	51.50"
B-pillar to B-pillar @ Dash		72.00"	63.00"
B-pillar to B-pillar @ Headliner	D	68.50"	51.00"
Shoulder Level @ Glass		79.25"	70.50"
Hip Level @ Door		71.00"	60.75"
Depth			
Center of A-pillar to BOC @ Dash	E	43.00"	47.75"
Center of A-pillar to BOC @ Roof	F	36.25"	34.50"
Center-Line Fuel Pedal to BOC	G	46.50"	52.50"
Height			
Floor To Ceiling @ Edge Of Dash	н	52.25"	44.25"
Floor To Ceiling @ Front Of Seat		56.50"	45.50"
Floor to Ceiling @ B-pillar	J	56.00"	42.00"
Cab Volume (cu. ft.)		91.80	64.17

26

Dodge 4500/5500



Benefits

- Best-in-class cab height
- 30 percent larger cab volume than the F-550
- Nearly 20% larger cab volume than Dodge 5500
- Best-in-class leg room and belly room, easily seats three people

58.25"
49.75"
61.75"
52.25"
69.75"
62.75"
53.50"
37.25"
58.50"
45.75"
45.75"
48.50"
74.61

27)

DRIVER ENVIRONMENT

ne	POWERED BY MAXKFORCE



39.5" 34"

20.75"

29.5"

25"

62.6-68.9 db

66.5-80.5 db

72.1-73.9 db

Ford F-450/550



27.75" **	
27.75" **	
20.25"	
27.5"	
23.75"	
19"	
49.3 db - 55.9 db 54.5 db - 60.2 db	
57.0 db - 68.9 db	

Driver Comfort • Ergonomic dash layout, IP design and steering wheel positioning

- The high-output HVAC system: 30,000 heating BTUs/24,000 air conditioning BTUs
- Tight lap joint tolerances provide superior noise and temperature insulation
- Four-point cab mounts isolate the cab from the road noise and vibration
- Available pre-filters and heavy particle filters further protect the air quality within the cab under the harshest environmental

Leg and Head Room

28

- Head room is superior to all of the measured competitors
- Optional adjustable tilt telescopic steering column

lead Room - Seat low	A	
ead Room - Seat high		
Leg Room - Smallest	B	
Leg Room - Largest		
Average Leg Room*		
Maximum Belly Room	С	
Interior Noise Levels		
@ 750 RPM		
@ 1500 RPM		
Exterior Noise Levels 6' forward of grille @ 750 RPM		

A

* Seat centered horizontally and vertically ** Fixed vertical seat travel

Noise level methodology

Noise levels were measured using a tripod-mounted sound level meter (accuracy rated to ±2 db) positioned consistently for each model. Readings were taken over an approximate 20-second recording with the high and low noted for that period.

Dodge 4500/5500



Benefits

- Greater head room and leg room for maximum driver comfort and productivity
- Multiple seat options meet individual needs
- Available air seats not offered by the competition

34" ** 34" ** 19.75" 26.75" 23" 20.5"

58.0 db - 69.1 db 60.4 db - 63.6 db

71.9 db - 73.3 db

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INTERIOR EQUIPMENT

TERRASIAN



HTH Z	Trim Levels	2 available trim levels	3 available trim levels (trim levels determine content)
 Comfort and Productivity TerraStar provides the flexibility to outfit the cab for maximum productivity and the equipment for a comfortable work space. Two available trim levels, each with a wide array of available options Trim panels cover exposed sheet metal to help insulate the cab from noise and temperature Additional insulation is standard with the premium level interior A standard netted overhead console and driver's side door storage compartment — part of an optional package on the competitors 	Standard Interior Features		 XL Trim: Door panel, with armrest 40/20/40 vinyl bench seat with center cup holder/storage XLT Trim: Upper and lower door pockets (2) I/P mounted cup holders Lariat Trim: Overhead console with garage opener and sunglass pocket
 TerraStar seat configurations include: Full-width bench seat Hi-back/ Mid-back 2-man passenger seats Available in fixed and Air Suspension Most of the above seats are not available from our competitors 	Available seat types Horizontal seat travel	 Optional 2-man passenger Optional fixed high back Optional self-contained air-ride 7" 	• 40/20/40 Split Bench 8"
	Vertical seat travel	5.5" (with optional air-ride seats)	Fixed only

30

Dodge 4500/5500



2 available trim levels (trim levels determine content)

ST Trim:

Ford F-450/550

- 40/20/40 vinyl Seat
- Mini Floor console
- Behind the seat storage bin

SLT trim:

- Vinyl door trim with pocket
- Overhead console with ambient temperature gauge

Laramie trim:

- Package applies to crew cab only
- 40/20/40 Split Bench, vinyl or cloth, manual adjustment
- Optional power adjust
- Optional premium cloth power bucket seats

9"

Fixed only

Benefits

- Interior features are available individually, not in packages
- ▶ (4) different seat types, including the only air seat in its class
- The only standard over head console on all models

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CHASSIS

Frame and Axle Ratings

- High-strength, low alloy steel rails rated at 80,000 PSI offers the highest yield strength rails in its class
- Standard C-Channel reinforcement over transitional rail area
- Bolt-on front frame extension option
- Custom frame piercing minimizes open holes and maximizes frame strength
- Frames are squared prior to assembly to ensure proper geometry during assembly

Axles

- ▶ 6,000 and 7,000 lbs. set-forward front I-beam axles
- ▶ 10,000 13,500 lbs. single reduction rear axles
- Variable deflection rate steel spring suspension
- International Ride Optimized Suspension (IROS) air ride suspension*

Electrical

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- Multiplexed electrical system reduces wiring and simplifies circuit design
- Well organized and efficiently routed chassis lines help prevent electrical problems and simplify diagnostics

Diamond Logic[®] Application Solutions

- Streamlines the process of integrating equipment into the chassis electrical system
- Utilizes chassis diagnostics tools for integrated body equipment improving quality

Exhaust Equipment

- Horizontal exhaust system mounted under-rail allows for clean top-of-rail CA
- Ensures efficient upfitting and helps minimize post-production costs

*Available for the TerraStar Spring, 2011









FRAME AND EQUIPMENT





11111111		
Wheelbases	Regular Cab: 134", 158", 183" & 195" Extended: 160", 185" & 209" Crew Cab: 179" & 203"	
ld Strength (PSI)	80,000 PSI	
me Construction	Variable depth stamped steel frame rails custom-pierced to maximize rail strength	
Section Modulus	8.68 – 26.05	
RBM	694,700 - 2,084,000	
Reinforcement	Standard outer C-Channel over frame transitional area	
umper Extension	Optional 4" bolt-on	
Fuel Tanks	40 U.S. gallon standard between rails	
	Optional RH rail, under cab	
Material	Standard composite (plastic) Optional between the rails painted steel or non-polished aluminum tank, mtd RH side under cab	

Ford F-450/550



Regular cab: 141", 165", 189" & 201" Extended Cab: 162" & 186" Crew Cab: 176" & 200"

Variable depth front splayed steel frame multiple standard piercings in rail to allow for different component mountings

10.1: 17.2 with 185.8. 188.8 and 200.8 W.B.'s or optional payload package

363,600 or 619,200

Not available

28 U.S. gallon standard 40 U.S. gallon optional 40 U.S. gallon standard 28 gal additional; optional

Composite (plastic)

TerraStar's Frame

- Provides the highest yield strength among all competitors measured.
- More wheelbase options offer greater flexibility for custom body installations
- High-strength, low alloy steel variable depth C-Channel rail
- Durable and rugged 80,000 PSI yield strength rails
- Custom piercing minimizes holes, maximizes strength
- Frames, crossmembers and spring hangers are arranged and clamped in place prior to assembly to assure proper squaring

Additional Frame Feature

• 4" bolt-on front frame bumper extension protects front frame components in severe-duty applications

Fuel Tanks

34

- Standard, between rails composite tank
- Optional between the rails steel tank
- Optional non-polished aluminum tank, mounted RH side, under cab

Dodge 4500/5500



Regular cab: 144", 168", 192" & 204" Crew Cab: 173" & 197"

50,000 PSI

Variable depth front splayed steel frame multiple standard piercings in rail to allow for different component mountings

Not Published

Not Published

Standard outer "L" reinforcement in transition area on frame rail

Not available

52 U.S. gallon standard 22 U.S. gallon optional

Composite (plastic)

Benefits

- Incremental wheel bases allow more customizable body installations
- With the highest frame yield strength in its class, TerraStar is one of the most rugged and durable trucks in its market
- ▶ For added toughness, TerraStar has standard outer channel frame reinforcement over the critical transitional area
- The only OEM that offers an optional front bumper extension, providing added protection for front end components in severe work environments
- Fuel tank choices and simple locations allow flexible body mounting and installation
- Only OEM to offer optional RH under cab fuel tank option

FRONT AXLE AND EQUIPMENT





	ВА	32.5"	37.5"
Star's Axle-Forward Design and Short BBC	Manufacturers' Capacities	Dana I-Beam 6,000 and 7,000 lbs.	Dana 7,000 lbs.
vides a more compact design and excellent weight transfer -forward axle affords plenty of clear frame space for post-	Front Driving Axles Capacities	Available late 2011	7,000 lbs
duction equipment ximizes payload m Front Axles		Parabolic taper-leaf springs 6,000 and 7,000 lbs.	Mono-beam axle, twin coil spri with shock absorbers and stand stabilizer bar 7,000 lbs.
ndard 6,000 lb. capacity	Power Steering	Sheppard MD83 power steering	Ford ZF with (w/steering dampe
ional 7,000 lb. capacity izes industry standard components with widely available parts	Measured Wheel Cut (LH wheel, LH turn)	41°	45°
i service	LH curb-to-curb turning radius (with above wheel cut, 183" WB and225/70R 19.5" tires)	28.2'	26.4'
ndard parabolic taper leaf suspension has less inter-leaf friction I wear to improve ride and durability nt shocks are "tuned" to match specified suspension nt spring pins have maintenance free rubber bushings	Brakes	TRW Four-wheel hydraulic disc, split system with 3-channel ABS	Four-wheel hydraulic disc, with 3-channel ABS

TerraSt

▶ Set-feature

produ ► Maxir

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36



Ford

rings ndard

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Dodge 4500/5500



38.7"	
Not Published 7,000 lbs.	
7,000 lbs.	
Five link, coil suspension with shock absorbers and standard stabilizer bar 7,000 lbs.	
TRW Power Steering	
43°	
27.3'	
Four-wheel hydraulic disc, with 3-channel ABS. Foot activated mechanical parking brake, parking brake cable routing outboard of rail LH side.	

Benefits

- TerraStar offers exceptional handling and maneuverability — perfect for urban settings and narrow job sites, reducing driver stress
- Set-forward axle provides excellent ride and plenty of clear frame space
- The commercially proven front end design offers a robust, stable platform and superior ride and handling
- Front axle/suspension is a standard design familiar to technicians ensuring predictable and efficient maintenance

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REAR AXLE AND EQUIPMENT



IN RANSING

Available Configurations	4x2, 4x4**	
GVWR Range	16,000 – 19,500 lbs.	
Max GCWR	26,000 lbs.	
le Axles Capacity	Dana Spicer 10,000, 11,000 and 13,500 lbs.	
Rear Axle Ratios	4.30, 4.56, 4.88, 5.38	
Differential Lock	Available	
Suspensions	International Vari-Rate, 4-spring Multileaf; optional shock absorbers	
Ride Suspension	Optional International Ride Optimized Suspension (IROS)*	

Ford F-450/550



4x2, 4x4

12,000, 13,660 and 14,706 lbs.

4.10. 4.30. 4.88

Available

Single-stage leaf suspension with auxiliary spring; shock absorbers and sway bar

Not available

Versatile Axles and Suspensions

TerraStar offeres three-different axle capacities and standard Vari-Rate spring suspension.

Axles

- Axles capacities of 10,000, 11,000 and 13,500 lbs.
- Optional Dana Spicer Truetrac torque proportioning limited slip differential lock

International[®] Vari-Rate Multileaf Suspension

- Designed for on-highway applications
- Single stage steel springs and torque leaves—with a variable deflection rate — offer excellent handling, stability and ride
- Optional shock absorbers available for added ride comfort

International[®] Ride Optimized Suspension (IROS)*

- Designed for on-highway applications
- Adjusts to different loads to maintain constant frame height
- Varying spring rate; softer with light loads, stiffer with heavy
- Excellent ride, handling and stability

*IROS will become available for TerraStar beginning Spring, 2011

Dodge 4500/5500



4x2, 4x4

15,000 - 19,500 lbs.

26,000 lbs.

Dana Spicer 12,000, 13,500 lbs.

4.10, 4.44, 4.88†

Standard

Two-stage multi-leaf suspension with sway bart and shock absorbers

Not available

- † 4.10 standard ratio only available
- ± 4500 suspension does not have sway

Benefits

International Vari-Rate Multileaf Suspension

- Strong, durable and less complex than some competitive designs
- Provides both operational and maintenance peace of mind
- Potentially less maintenance cost compared to some competitive designs

International IROS

- Adjusts to different loads to maintain constant frame height
- Excellent ride, handling and stability
- Valuable option for customers with delicate loads
- Air-ride not offered by either of these competitors

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EXHAUST SYSTEM





TerraStar's exhaust system provides the production flexibility to help keep post-production costs and upfitting time to a minimum.

MaxxForce[®] Advanced EGR

- A proven in-cylinder solution
- Business as usual for MaxxForce[®] owners 2010 and beyond

Configuration

- Horizontal system mounted under the frame
- Allows for a clean CA top of frame rails
- Space-saving, single-can configuration

Design

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- Rubber isolators at all hanger brackets allow for engine/frame twist and operating temperature expansion
- No diesel exhaust fluid (DEF) tank required freeing valuable frame space for greater upfitter flexibility
- Consistent and unvarying frame mounting independent of wheelbase while competitors have to install longer tailpipes dependant on wheelbase length
- Available inhibit regeneration switch to allow drivers to manually disable DPF regeneration in unsafe conditions

stem ation	Horizontal after treatment device (ATD) and tailpipe, located aft of regular cab with one size tailpipe facing down		
ation	Available		

Inhibit Regenra Switch Tailpipe Configuration System mounting and tailpipe length is constant regardless of wheelbase.

Exhaust Sys

Configui

Ford F-450/550



Horizontal exhaust system includes Selective Catalytic Reduction (SCR) system (urea injector and SCR catalyst housing) in addition to EGR Diesel Particulate Filter (DPF mounted aft of SCR system).

Not Available

Tailpipe routing over rear axle housing and pipe end after axle.

NOTE: Tailpipe length will increase depending on wheelbase option.

Dodge 4500/5500



Horizontal exhaust system includes SCR system (Urea injector and SCR catalyst housing) in addition to EGR Diesel Particulate Filter (SCR system mounted aft of DPF).

SCR system design includes LH under cab mounted urea tank, LH BOC urea pump, urea lines cross over driveline to RH side BOC mounted urea injector assembly

Not Available

Tailpipe routing over rear axle housing and pipe end after axle.

NOTE: Tailpipe length will increase depending on wheelbase option

Benefits

- A refinement of the 2007 EGR system already in place ... and proven over 9 million miles
- Simple aftertreatment system is very similar to prior models — making life easier for technicians
- Not cluttered with the additional components required to support Liquid Urea Selective Catalytic Reduction aftertreatment design — common in competitive models
- Consistently unvarying frame mounting, independent of the wheelbase
- Depending on wheelbase length, many competitors require longer tailpipes

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Diamond Logic® Electrical System

Simplifies the integration of body builder equipment to the chassis electrical system. None of its competitors offer anything this comprehensive.

- Factory installed switches designed specifically for International's instrument panel
- Labels included with optional body integration switches
- Factory installed warning lights are incorporated in the gauge cluster
- Reduced Installation time Centralized connections outside the cab
- Improved Quality Eliminates the need to route wires into the cab or splice into chassis circuits
- Smart Diagnostics Uses chassis diagnostic for integrated body equipment
- Remote Power Module Serves as the gateway to the electrical system to control many different types of added equipment with additional software
- Software Available to program custom body functions

State-of-the-art Multiplexing Technology

- The foundation for linking functional areas of the vehicle
- Reduces wiring by sending multiple electrical signals via a data link
- Electronic circuit modules and software performs vehicle functions instead of a complex wiring harness with electro-mechanical relays and switches

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Electrical System Design	Multiplex wiring system	
ctory-Installed Body egration System and Components	Diamond Logic [®] Applications Solutions. Body Builder wiring connection LH rail BOC or LH frame rail under cab (Extended or Crew)	
dy Upfitter Switches	Variety of available packages	
ectrical Fuse/Circuit Panel Location	Passenger dash panel	
Alternator Manufacturers	Leece-Neville	
Amperage	120, 185, 220, 320* amps	
Mounting	Pad mounted	
Batteries	Up to 3; 1100, 1300, & 2250 CCA	
Battery Disconnect	Available cab-mounted lever operated switch	
Jump-start Studs	In battery box or remote-mounted outside of battery box	
Block Heaters	Available 1000 watt block heater with receptacle mounted below driver's door	

Emergency Service

Ford F-450/550



Multiplex wiring

Standard upfitter switches located in instrument panel

Motorcraft

Optional 357[†] amps (ambulance)

Pad Mounted

Up to 2; 650 CCA or 1500 CCA

Not available

Not available

Available block Heater (standard in severe cold weather states)

Dual Alternators

Dodge 4500/5500



Standard Wiring

Standard upfitter connection under hood, lighting connections EOF

Four switches located in cab in center of dash console

Under Hood power distribution panel and maxi fuse panel

Mopar

180 or 220 amps

Pad mounted Up to 2; 730 CCA or 1500 CCA None

None

Standard engine block heater, no receptacle mounted on cab, optional cord can be ordered that can be routed through grill

Benefits

- TerraStar electrical system offers owners a superior value that helps make vehicle operation easier, vehicle maintenance simpler and overall service life longer
- Simpler multiplex wiring
- Easily accessible power distribution center
- Distinctive commercial grade features — like battery disconnect and remote jump start studs
- Many highly specialized options, which are factory available for the TerraStar - like headlight wig-wag can be very expensive for the competition to install during the upfitting process

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POWERTRAIN

POWERTRAIN





MaxxForce[®] Advanced EGR

A sophisticated, in-cylinder solution meets EPA 2010 emissions standards using proprietary emissions technology.

- Simple: refined from 2007 EGR system
- Reliable: no urea tanks, additional catalysts, sensors, gauges or electronics
- Dependable: over 9 million miles of experience
- Cost-effective: stable and predictable residual value
- Turn-key: business as usual for our customers

MaxxForce[®] 7 Engine

- Proprietary engine designed and engineered for optimum performance within our vehicles
- Industry-leading performance, reliability and resale
- ▶ 300 HP and 660 lbs./ft. of torque

Transmissions and Equipment

- Allison 1000 5-speed automatic transmission
- Allison available in highway, rugged duty and emergency vehicle application ratings
- Durable Allison automatics have a wide support infrastructure

Serviceability

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- Easy routine serviceability yields greater longevity
- Most routine service points located on driver's side
- Crucial fluids are easy to locate and read
- Adjustment-free valve train
- Many dependability-related features are standard



MAXXFORCE® ADVANCED EGR

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- 2010 Exhaust Gas **Recirculation (EGR) System**
- **A.** Dual sequential turbocharger
- **B.** Exhaust inlet manifold for turbocharger and EGR cooler
- **C.** Single I-Flow EGR cooler
- **D.** EGR mixing and distribution duct

INTERNATIONAL® TRUCKS POWERED BY **MAXXFORCE®**

enabling customers to focus on their

Smarter. Easier. Faster.

Presently, there are two competing systems designed to achieve the new 2010 EPA requirements:

- Liquid Urea Selective Catalytic Reduction (SCR): An aftertreatment approach that utilizes liquid urea ... the solution most truck makers will incorporate
- Advanced Exhaust Gas Recirculation (EGR): A proven in-cylinder solution ... the customer preferred and International[®] solution

MaxxForce® Advanced EGR

- International[®] Trucks, powered by MaxxForce[®] engines, utilize Advanced EGR — a refinement of the 2007 EGR system already in place ... and proven over 9 million miles.
- The same confidence customers have in today's MaxxForce® engines will carry forward into 2011 and beyond.

MaxxForce[®] Advanced EGR **Advantages**

- Business as usual for MaxxForce[®] owners 2010 and beyond
- A simple, proven technology
- Simpler to maintain and operate than liquid urea SCR
- No radical hardware additions
- No liquid urea tanks, additional catalysts, sensors, gauges or electronics
- No additional exhaust aftertreatment components for the body manufacturer to package equipment around during installation
- No additional fluids to understand, purchase or store
- No additional dash warning systems to monitor
- No worries about the availability of urea
- No additional driver training and technical training
- > 200-300 lbs. lighter than liquid urea SCR
- Stable and predictable residual value

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ENGINE AND EQUIPMENT

MaxxForce[®] 7 — true to International's reputation — provides industryleading performance, reliability, durability and resale value

Advanced Air-Management System

• Dual sequential turbochargers allow quick response at low speeds and peak power at higher speeds

Compacted Graphite Iron Block (CGI)

- Incredibly strong platform that handles the highest fuel pressures that deliver the best fuel combustion and reduces vibration and noise
- CGI properties allow for increased durability without the added weight as compared to typical gray iron

High-Pressure Common-Rail Fuel System

- Extremely efficient piezo injectors and high injection pressure allow for precise fuel dosing, injection timing and optimal combustion
- Better fuel economy, in-cylinder reduction of emissions and a quiet running diesel engine are all benefit**s**





Engine Model	MaxxForce [®] 7	Power Stroke 6
Configuration	V8	V8
HP	300 @ 2,600 RPM	300 @ 2,800 RF
Torque	660 lbsft. @ 1,600 RPM	660 lbsft. @ 1
EPA 2010	MaxxForce [®] Advanced EGR	SCR
Engine Brake	Not available	Exhaust
Engine Warranty	60-month	60-month
Radiators	Aluminum cross-flow	Aluminum
	697 sq. in.	828 sq. in. & 1, ⁻
esignated engine hour eter available for PTO or accessories	Available PTO hour meter	Not available
In-dash PTD controls with programmable interlocks	Available through Diamond Logic®	Not available
Dial A/C compressors for ambulance or bus	Available	Not available
Engine driven air compressor	Available 13.2 CFM air compressor	Not available
Valve Adjustment	Not necessary	Hydraulic lash a





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Power Stroke 6.7	Cummins ISB 6.7L
V8	In-line 6
300 @ 2,800 RPM	350 @ 2,900 RPM
660 lbsft. @ 1,600 RPM	610 lbsft. @ 1,600 RPM
SCR	SCR
Exhaust	VGT Exhaust
60-month	60-month
Aluminum	Aluminum
828 sq. in. & 1,102 sq. in.	Size is unpublished
Not available	Not available
Hydraulic lash adjusters	Every 150,000 miles
	Note: Max HP decreased for EPA 2010 Cummins engines

Benefits

- In-cylinder reduction of emissions
- One of the quietest running diesel engines in the industry
- All serviceable fuel system components are centrally located for ease of service
- 10% more torque than Cummins
- High pressure common-rail fuel system for precise fuel dosing, injection timing and optimal combustion
- Lower cost of operation over the life of the engine

49)

Excellent fuel efficiency

TRANSMISSION AND EQUIPMENT





Automatic Transmissions	Allison 1000	
Available Allison Vocational Codes	Standard: HS	
	Optional: EVS, RDS	
Available Speeds	5-speed	
PTO Controls	Available dash-mounted PTO control	
Available Transmission	Standard: T-bar type	
Shifter Configurations	Optional: Column-mounted	
External, Spin-on Replaceable Filter	Available	
ansmission Range Inhibit	Available	
Manual Transmissions	Not available	
pes and Available Speeds	Not available	



Ford Torgshift® Not applicable

6-speed Available Column-mounted only

Not available Not available

Not available

TerraStar Offerings

Allison: 1000 series of automatic transmissions with HS, EVS and **RDS** configurations

Additional Equipment

- Available load-based shift schedule designed to optimize shifting and reduce mode selection decisions by the driver
- Standard T-bar type shifter
- Optional column-mounted shifter

Body Builder Friendly

TerraStar simplifies the installation process and minimizes costs:

- Simplifies transmission wiring
- Transmission-shift inhibit for PTO applications to prevent accidental shifting during PTO or critical functions
- Torque convertor lock-up for maximum PTO efficiency

50

Ford F-450/550

Dodge 4500/5500



Aisin

Not applicable

6-speed

Available

Column-mounted only

Not available

Not available

G-56 manual transmission (supplied by Mercedes-Benz)

6-speed

Benefits

- Offers the three most popular Allison transmission configurations available on the market
- Offers a proven commercialgrade transmission with one of the widest parts and service support structures in the nation
- Parts or service available at any International dealer, and at any authorized Allison repair facility
- Ford and Dodge use proprietary components owners are forced to go to their respective dealer for assistance

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Ease of Service

helps guarantee that important routine maintenance will become ... routine.

SERVICEABILITY

TerraStar's routine service points are easily located, making pre-trip inspections and routine maintenance easy.

- Crucial fluids are easily located
- Most fluid levels are simply determined through translucent reservoirs
- Engine oil and transmission fill points are easy to access

Standard Service Related Features

- Extended life engine coolant
- Fuel-Water Separator with Filter Restriction/Change Indicator and Water-in-Fuel Sensor
- ► High-temperature radiator hoses (-40°F +300°F)
- Gates shrink-band type thermoplastic coolant hose clamps

Shrink-Band Benefits

- Maintain a consistent, dynamic tension, so they never need retightening
- Apply more uniform force around the fitting
- Maintain a higher percentage of force at low temperatures vs. metal clamps
- Joint fit and function improve with use, compared with others whose systems are only at their best when first installed

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Engine Envelope Open envelope allows easy access for pre-trip inspections and routine maintenance. Splash guards are easily removed

Driver Side Service Points Engine oil check/fill Transmission fluid check/fill Coolant check/fill Washer fluid check/fill Brake Fluid check/fill

> Passenger Side Air cleaner filter minder Service Points Power steering check/fill

Clear Fluid Reservoirs Coolant, power steering, brake fluid

Splash Shield Mounting Driver: stationary Passenger: stationary

Hose Clamps Thermoplastic shrink bands

On-Board Diagnostics Diamond Logic[®] user screen in cab, and Controls ties into all component electronics, allows for quick diagnosis of electrical problems



Very tight envelope. Permanent front fenders and wheel wells that make access to engine components more

Engine oil check/fill Transmission fluid check/fill Coolant check/fill

Air cleaner filter minder Washer fluid check/fill

Coolant, power steering, brake, washer

No splash shields, fenders and wheel wells integrated with cab

Simple spring-type hose clamps

LCD screen display includes menus for Gauge Setup, Trip Computer, Fuel Economy and Towing/Off-Road applications — no diagnostic troubleshooting available

*Battery/batteries are installed under the hood in the engine compartment adding to the congestion

Ford F-450/550

Dodge 4500/5500



Tight envelope. Permanent front fenders and wheel wells that make access to engine components more difficult*

Washer fluid check/fill Power steering check/fill Engine oil check/fill Transmission fluid check/fill

Air cleaner Coolant check/fill

Coolant, power steering

No splash shields, fenders and wheel wells integrated with cab

Simple spring-type hose clamps

Electronic Vehicle Information Center (EVIC), located in the middle of the instrument cluster, offers data on standard vehicle functions - no diagnostic troubleshooting available

*Battery/batteries are installed under the hood in the engine compartment adding to the congestion

Benefits

- Easy access to all check and fill points
- Easy access to engine and front end components
- Faster maintenance and repair time
- Lower maintenance costs over the life of the vehicle

CUSTOMER SUPPORT

©nCommand ∎ BY NAVISTAR

Service Information OnCommand[™] Service Information (Formerly Fleet ISIS[®])

Parts Information OnCommand[™] Parts Information (Formerly Fleet Parts Catalog Online and Custom Parts Catalogs)

Purchasing Card for OnCommand™ Fleet Charge[®] Parts and Service

Network-Wide OnCommand[™] Preventive Consistent Price Maintenance (Formerly Preventative Maintenance Performance PM[®])

Roadside Break Down OnCommand[™] Repair Advocate / EBS

Obsolete Parts OnCommand™ Parts Return Program Return Program (Formerly CPR / GPRP)

Education Solutions OnCommand[™] Education

Management

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abor Time Consistency OnCommand[™] Service Partner

Parts Inventory OnCommand™ Maintenance and Management Inventory Management (Formerly Diamond Connection[®] Solutions

Rapid Repair Assessment Accelerated Service -Express Diagnostics

Quality Fleet Care Service Plus - Mair Management progr

Quality Fleet Care program

Quality Fleet Care -Roadside Assistance

Purge for dealers to

Standardized traini center (STARS) dea

Ford - Professional Society - Service L

Quality Fleet Care -Service Plus - Main Management progra

Quality Fleet Care centers

OnCommand[™] provides customers with a unique group of business tools that helps them manage their operations better — keeping their trucks on the road.

OnCommand™ Knowledge

- **Service**: Web-based service manuals, letters, circuit diagrams and VIN-specific data
- **Parts**: Web, print, or CD-based parts catalog with detailed illustrations and optional electronic ordering

OnCommand™ Education

Web-based vehicle and systems training courses for self-maintainers

OnCommand™ Control

- **Repair Advocate** Integrated fleet repair management system
- Service Partner Dealer-provided maintenance and repairs providing expedited service to customers
- Fleet Charge Parts purchasing program
- Maintenance and Inventory Management software solution for self-maintaining fleets and independent garages Parts Return Program – Surplus, unused and obsolete

parts return for full cash value payout

ord	Dodge
- Commercial ntenance am	Vehicle use tracking as part of BusinessLink [®] program for commercial truck maintenance and repair
system (DOESIII) V) application for	Some programs and information available through Mopar
- Parts Billing	Accounts available at the dealer level only.
- Commercial	Customizable service contracts available.
- Emergency ce	BusinessLink [®] offers 24-hour towing, loaner vehicles (on select vehicles) and free shuttle service. A dedicated account manager is also assigned to each BusinessLink [®] customer.
enter Online – Parts o return unusable osolete Parts)	Nothing published
ng and resource lers only	Dodge offers some video instruction on a DVD included in new vehicle delivery paperwork
Technician abor Time only	Nothing published
- Commercial htenance am	Vehicle use tracking as part of BusinessLink [®] program for commercial truck maintenance and parts use
- Quick Lane Service	Next-Bay-Up-Service insures preferential scheduling at service departments

Benefits

- International offers TerraStar owners a wider variety of support tools that will make keeping track of maintenance and repair costs easier, simpler and less stressful
- Online materials are available 24-hours a day, and are—in most cases—specific to the VIN(s) of the vehicle(s) in the customer's fleet, making it extremely easy to track down specific questions and needs on parts and maintenance
- Self-maintaining fleets will find the inventory management and service information sites to be tremendously valuable in keeping repair and diagnostic times manageable as well as keeping parts inventories simple and less capital-intensive



ENGINEERED FOR WHAT MATTERS MOST

Performance

- A high-strength, low alloy steel variable depth huck-bolted frame with 80,000 PSI yield strength offers the strongest, most durable frame in Class 4/5
- Standard outer C-Channel reinforcement at the frame transition area for added strength
- Only OEM in its class to offer a bolt-on front bumper extension

MaxxForce® Power

- Proprietary MaxxForce[®] 7 diesel engine offering 300 HP and 660 lbs.-ft. of torque
- Advanced EGR: meets EPA 2010 emissions standards using proven, proprietary emissions technology

Driver Satisfaction

(56)

- Largest cab in its class
- Best-in-class visibility: a 75° hood slope
- Smooth and easy entry and egress
- Amenities—from a high-output HVAC to overhead storage and numerous seat options—enhance driver comfort

Diamond Logic[®] Electrical System

- Pre-programmed features include pre-trip inspections, headlights on with wipers, and safety interlocks
- Increases reliability and uptime ... reduces repair costs

Cost of Ownership

- Cear top rail CA ensures efficient upfitting and helps minimize post-production costs
- Center dash panels accommodate banks of auxiliary switches for a more seamless integration of aftermarket controls
- Easy-tilt hood improves serviceability and makes routine service easier
- Extended/synchronized service intervals keep your truck on the road, out of the shop





COMPETITIVE COMPARISON GUIDE: LIGHT DUTY



A NAYISTAR COMPANY