

DALLAS SMITH CORP.®

DALLAS SMITH CORP.® **Air-Chassis™**

## Ford F450/F-550 Air-Chassis® with IntelliSYNC®



**Intelli SYNC®** Connect  
Air-Ride Suspension System;  
8 second full vehicle kneel.



Electronically controlled  
air-ride suspension system with  
diagnostic computer connect  
capabilities.



DSC **Intelli SYNC®** 210  
10CFM High Duty Cycle  
Compressor (DC driven).



No steps, 6:1 purpose-built  
ramp.



“Buy America” certified.



Standard limited 3-year/36,000  
mile warranty.



[www.dallassmithcorp.com](http://www.dallassmithcorp.com)

PATENTS  
PENDING

<b>Base Vehicle:</b>	FORD F450/F-550 DRW Chassis Cab
<b>Drive Type:</b>	4x2 4x4 (with DSC proprietary front CV joint axle – option)
<b>GVWR:</b>	Max. GVW Rating (lbs.) of 19,500 (DRW 4x4)
<b>Brake System:</b>	Original Equipment Manufacturer, 4-wheel vented-disc ABS
<b>Engine:</b>	6.8L 3-valve SOHC EFI V10 Engine 6.7L Power Stroke® V8 Turbo Diesel Engine (option)
<b>Torque:</b>	457 @ 3,250 rpm (6.8L V10) 660 @ 1,600 rpm (6.7L PowerStroke™ Turbo Diesel)
<b>Transmission:</b>	TorqueShift® heavy-duty 6-speed SelectShift™ Automatic Transmission (option) TorqueShift® heavy-duty 5-speed SelectShift™ Automatic Transmission
<b>Exhaust:</b>	OEM stainless steel exhaust pipes and muffler properly installed with heat shields and baffles.
<b>Chassis Frame:</b>	Passenger and Driver side Equal-Access U-Frame™ frame rail section engineered by Dallas Smith Corp. (patent pending), and installed by a Ford Motor Company QVM Program participant.
<b>Axle Rating:</b>	Solid Twin-Air Monobeam Axle; 7,000lbs. (13,660lbs. at ground max.)
<b>CNG:</b>	CNG (option - contact manufacturer)
<b>Suspension:</b>	<ul style="list-style-type: none"> <li>IntelliSYNC® Connect Air-Ride Suspension System, Ford F-550 model, and installed by a Ford Motor Company QVM Program participant.</li> <li>"Buy America" certified.</li> <li>Four (4) OEM 1.38" HD Gas-Type, Front and Rear Shock Absorbers.</li> <li>DSC IntelliSYNC® 210 10CFM High Duty DC Driven Compressor.</li> <li>DSC in-line air-cooler to reduce operating air system temperature approximately 150 degrees Fahrenheit or less to improve overall air suspension system efficiency and durability.</li> <li>All IntelliSYNC® suspension air system lines, fittings, valves, connectors, and tanks are color-coded for plug n' play operation and meet D.O.T. specifications.</li> <li>DSC LoPro™ Heavy Duty Travel Bushings (front and rear).</li> <li>IntelliSYNC® Ford F-550 designed LoPro™ air beams by Dallas Smith Corp., and rated specifically to vehicle's GAWR and provide enhanced "wide-trac" vehicle lateral and longitudinal stability.</li> <li>System Safety Control Valves.</li> </ul>

- Integrated Interlock Safety Systems.
- Full vehicle flow-controlled kneel within eight (8) seconds.
- Environmental Chamber Testing (-40 to 180 degree Fahrenheit).
- Easy Service and Maintainability.
- Designed to meet the needs of the heavy duty transit industry with improved up-fit vehicle handling.
- Standard Limited 3-year/36,000 Mile Warranty.

#### Testing and Industry Validation:

- All DSC Air-Chassis™ IntelliSYNC® suspension systems installed by a select, recognized, qualified vehicle modifier or speciality vehicle manufacturer.
- Vehicle accessibility-rail and suspension FEA independently performed by a certified and registered professional engineer with documentation to establish that the chassis and suspension used produces a ride quality comparable to the best state of the art for low floor vehicles.
- FMEA – Chassis suspension system thoroughly analyzed utilizing rigorous FMEA process.

#### Manuals:

In addition to the contractor supplied information; vehicle suspension manuals, diagrams, schematics, and part's reference, shall be available/accessible online and downloadable/printable.

#### About Dallas Smith Corp.:

For over 60 years, Dallas Smith Corp. has been providing the transportation industry with safer, smarter, and easier suspension systems. We are a complete design, engineering, and manufacturing company focusing entirely on low floor chassis and suspension systems for commercial application vehicles. Our patented technology is built, tested, and certified by the industry's very best!

**PRELIMINARY SPECIFICATIONS:** Dallas Smith Corp. (DSC) reserves the right to change, modify, alter any of the specifications listed, without notice, to accommodate any changes in Base Vehicle or Systems used.

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