Abbreviated Pre-Trip Truck Inspection Check List

20-Foot Flatbed Truck, with Lift-Gate and Optional Stake Walls:

Driver Side, Notes:

Passenger Side, Notes:

Da Vinci FUSION

Supervisor: ###-###-####
Warehouse: ###-###-####

Vertical Clearance Required For Vehicle (measure and note here):

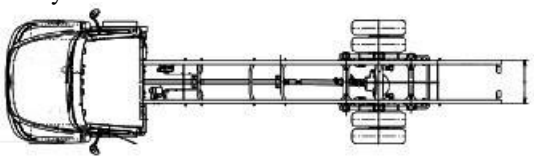
Date: _____ Driver: _____ Odometer: _____ Destination(s): Event / Company, Project Manager Address, City, State, Zip Code

Destination notes in margin →

- ☐ Battery Last Checked: _____
- ☐ License Plate Date: _____
- ☐ Engine Oil / Wiper Wash
- ☐ Brake / Transmission Fluids
- ☐ Fan Belts
- ☐ Coolant / Hoses
- ☐ Leaf Springs: No Cracks
- ☐ Tire Pressures / Condition
- ☐ Drive Shaft / U-Joint
- ☐ Undercarriage / Mud Flaps
- ☐ Lift-Gate Functions
- ☐ Load & Rigging Secure
- ☐ Fire Extinguisher, Etc
- ☐ Horn
- ☐ Windshield Wipers
- ☐ Headlights: Dim-Bright
- ☐ Turn Signals / Brake Lights
- ☐ Emergency Flasher Test
- ☐ Steering: No Loose Play
- ☐ Reverse Lights / Beeper
- ☐ Ratchet Straps (hook only)
- ☐ Insurance Expires: _____
- ☐ Registration Exp: _____
- ☐ Windows & Mirrors Clean
- ☐ FasTrak / CFN Fuel Card
- ☐ Cell Phone is Hands-Free
- ☐ GPS is Hands-Free
- ☐ Flashlight, Area Floodlight
- ☐ Dashboard Gauges Function
- ☐ * Axle Weights (see below)
- ☐ ** Fuel Status (see below)
- ☐ Brakes / Parking Brakes

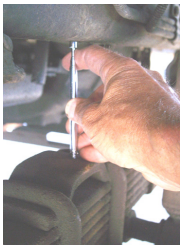
☐ Condition of vehicle is satisfactory, and within weight limits. Cargo is adequately secured.

GVWR: 26,000# (= 13,940# max payload)
Front GAWR: 7,000# (= 1,260# max payload = 1/10th rear axle payload)
Rear GAWR: 19,000# (= 12,680# max payload = 10x front axle payload)



*** Formula for determining approximate axle weights:**
Front Axle: 14,103 - (77.9 × avg leaf spring-to-frame mm)
Rear Axle: 82,362 - (209.5 × avg leaf spring-to-frame mm)

Front Axle (7,000# max)



Left-Front: _____mm
Right-Front: _____mm
= Average: _____mm
14,103
- (77.9 × avg mm)
Front Axle = _____#

Rear Axle (19,000# max)

Left-Rear: _____mm
Right-Rear: _____mm
= Average: _____mm
82,362
- (209.5 × avg mm)
Rear Axle = _____#

A convenient reference point:
Public Scale Weight, Empty, with 7/8 tank of fuel: 12,060#
Steer (Front): 5,740# (107.50mm avg leaf spring-to-frame)
Drive (Rear): 6,320# (363.00mm avg leaf spring-to-frame)

Center of gravity of payload (assumed forward of rear axle):
(Front Axle# - 5,740#) + (Rear Axle# - 6,320#) = Total Payload#
(Front Axle Payload# ÷ Total Payload#) × 237.25" Wheelbase
= Center of Gravity, measured in inches, forward of rear axle
To shift load: ÷ desired Front Axle Payload# by Total Payload#

Common load densities:
Diesel fuel weighs 7.15# per U.S. gallon x 100 gallons = 715#
Aluminum stagelight trusses weigh 5# to 7# per cubic foot
Solid lumber and plywood weighs 35# per cubic foot
Concrete weighs 147# per cubic foot; Stones 104# per cubic foot

1998 Ford F800 F Series
VIN: #XXXX##X#XXX#####
California License Plate Number: #X#####
Category: Flatbed Truck
Style / Body: Conventional Cab
Front Disk Brakes, Drum Rear Brakes
Tires: 10R 22.5F, 100psi cold
Engine: ISB Series, 5.9L (= 359 CID), L6, ***Diesel***

Flatbed Max. Dimensions: 21' 2.5" long × 8' 0" wide
Flatbed Height (empty): 4' 3" = loading dock height
Flatbed Capacity: 13,900# maximum payload
Lift-Gate Capacity: 2,500 lbs
** Dual 50-Gallon Fuel Tanks
Total Truck Length: 30' 2.5"
Wheel Axles Wheelbase: 19' 9 1/4" (= 237.5")
GVWR Type: Class 6 (GVW 26,000# max)

** Mileage: 10.9mpg highway driving @ 40% payload capacity; 7.2mpg city driving @ 40% payload capacity
** Each fuel tank holds 50 gallons of ***diesel*** fuel, but only 46.5 gallons is usable. Step-tanks located below driver and passenger doors
** Onboard fuel gauge understates remaining fuel: Use calibrated wooden fuel dipstick!
Fuel dipstick (11/16" wooden dowel, 21 3/8" long) calibration, in U.S. gallons, for 50-gallon step tanks:
0 gal.= 31/32"; 5= 2 1/8"; 10= 3 7/32"; 15= 4 5/8"; 20= 5 13/16"; 25= 7 5/16"; 30= 8 23/32"; 35= 9 31/32"; 40= 11 3/8"; 45= 12 3/4"; 46.5= 13 7/32"

For More Information: http://www.instructables.com/id/How-to-Estimate-the-Axle-Weights-of-a-Standard-2-A/