

VEHICLE DATA SHEET INSTRUCTIONS

Date: _____

Donor Name _____ Destination _____

Please complete the Vehicle Data Sheet that has been sent along with this instruction sheet for your vehicle(s) being considered for movement under the Denton Amendment. Complete a separate Vehicle Data Sheet for each vehicle.

The Vehicle Data Sheet was designed by engineers to determine:

- 1.) if your vehicle **CAN** be airlifted by US Air Force airframes
- 2.) what type of US Air Force airframes can move it, and
- 3.) what **shoring*** requirements there would be, if any.

All measurements must be completed in inches or pounds.

Please add the VIN# (Vehicle Identification Number) in the section titled, "Additional Information/Sketch". Take pictures of the vehicle, including front, rear, both sides, any tie-down points or anything that is attached (ladder on a firetruck) to help us in the movement of this cargo. Please send them along with the Vehicle Data Sheet.

INSTRUCTIONS

A. **OVERALL LENGTH**--Measure the vehicle from the edge of the front bumper to the edge of the rear bumper (or trailer hitch).

If there is overhang from a piece of equipment that is permanently attached to the vehicle include this as a separate measurement (i.e. ladder on an aerial ladder firetruck).

B. **WIDTH**--Measure the vehicle from side to side at its widest point. Include the rearview mirrors.

C. **REDUCED WIDTH**—If anything can be removed, closed, or folded, do so and then remeasure width.

D. **HEIGHT @ FRONT of VEHICLE**-- Measure height from the ground to the highest point on the front of the vehicle.

E. **MAXIMUM HEIGHT**--Measure the vehicle from the ground to the highest point on the vehicle. If an object can be removed (i.e. light), remove it and then measure.

F. **HEIGHT @ REAR of VEHICLE**--Measure height from the ground to the highest point on the rear of the vehicle.

G. **LOWER FORWARD OVERHANG**--Measure the distance from the forward axle to the **lowest** point near the front end of the vehicle.

H. **UPPER FORWARD OVERHANG**--Measure the distance from the forward axle to the **highest** point near the front end of the vehicle.

I. **LOWER REAR OVERHANG**--Measure the distance from the rear axle to the **lowest** point near the rear end of the vehicle.

J. **UPPER REAR OVERHANG**--Measure the distance from the rear axle to the **highest** point near the rear end of the vehicle.

K. **FORWARD GROUND CLEARANCE**--Measure from the ground to the lowest part of the vehicle in the area between the front axle and the front end of the vehicle.

L. **MID-WHEELBASE GROUND CLEARANCE**--Measure from the ground to the lowest part of the vehicle body in the area between the front axle and the rear axle of the vehicle.

M. **REAR GROUND CLEARANCE**--Measure from the ground to the lowest part of the vehicle body in the area behind the rear axle to the rear end of the vehicle.

T. **WHEEL BASE**--Measure from the center of front axle to the center of the rear axle.

U. **WIDTH OUTSIDE WHEELS**—Measure from the outside portion of the right tire to the outside of the left tire

Y. **NUMBER OF AXLES**—How many?

Z. **AXLE SPACINGS (Front to Rear)**—Measure the distance between the axles.

AA. **NUMBER of WHEELS per AXLE**—How many?

BB. **TIRE SIZE (xxRzz)**—The size of the tire is located on the tire.

CC. **PLY RATING**—Check with the manufacturer or wherever the tires were purchased.

DD. **TIRE PRESSURE**—The PSI rating is located on the tire. CHECK the actual PSI using an accurate guage. If the tire's PSI is over 100 additional measurements may be required.

EE. **TIRE CONTACT LENGTH**—Measure the length of *each* tire where the rubber meets the ground.

- FF. **TIRE CONTACT WIDTH**—Measure the width of *each* tire where the rubber meets the ground.
- GG. **GROSS VEHICLE WEIGHT**--The total weight of the vehicle. **Note: All axle weights added together should equal the vehicle gross weight.**
- HH. **GROSS VEHICLE WEIGHT RATING**—This is the “rated” weight that the vehicle was designed to withstand. This information should be found on the Data Plate which is usually located just inside on either the driver’s or passenger’s door or consult your owner’s manual.
- II. **AXLE WEIGHT (FRONT to REAR)**--weigh each axle
- JJ. **AXLE RATINGS (FRONT to REAR)**—This is the “rated” weight that each axle was designed to withstand. This information should be found on the Data Plate which is usually located just inside on either the driver’s or passenger’s door or consult your owner’s manual.
- KK. **TIRE LOAD RATING**—Check with the manufacturer or wherever the tires were purchased.
- NN. **FRONT TIEDOWN (CAPACITY AND QUANTITY)**—Points on the vehicle (may be rings) where chains will be used to secure the vehicle to the floor of the aircraft. The capacity is the rated capability of that point to withstand forces trying to move that vehicle either forward, aft, laterally or vertically.
- OO. **SIDE TIEDOWN (CAPACITY AND QUANTITY)**—Same as NN.
- PP. **REAR TIEDOWN (CAPACITY AND QUANTITY)**—Same as NN.

VEHICLE NAME*				
DIMENSION DATA (INCHES)			MAKE/MODEL	
A.*	Length		MANUFACTURER	
B.*	Width/Wingspan		POC*	
C.	Reduced Width			
D.	Height at Front of Vehicle		PHONE*	
E.*	Maximum Height		ADDITIONAL INFORMATION:	
F.	Height at Rear of Vehicle			
G.*	Lower Forward Overhang		*Required information	
H.	Upper Forward Overhang			
I.*	Lower Rear Overhang		Please attach sketch/photograph to request.	
J.	Upper Rear Overhang			
K.*	Forward Ground Clearance		HH, JJ: Vehicle rating data can frequently be found on vehicle data plates.	
L.*	Mid-Wheelbase Ground Clearance			
M.*	Rear Ground Clearance		GG, II: Weights should be actual.	
N.	Fifth Wheel/Pintle Distance		NN-PP: Capacity and quantity required.	
O.	Fifth Wheel/Pintle Ht			
P.	Lunette/Kingpin Height		MIL-STD-209 lists requirements for vehicle tiedowns.	
Q.	Lunette/Kingpin to First Axle Distance		MIL-HDBK-1791 describes non-standard load criteria	
R.	Landing Gear Pad Size (sq. in.)			
S.	Landing Gear Distance			
T.*	Wheelbase / Trackbase			
U.	Width Outside Wheels			
V.	Propeller Diameter			
W.	Number of Blades on Propeller/Rotor			
WHEEL & TIRE DATA				
X.	Axle Articulation (Deg)/Travel (In)			
Y.*	Number of Axles		1st to 2nd	2nd to 3rd
Z.	Axle Spacings (Front to Rear, In)		3rd to 4th	4th to 5th
			1st Axle	2nd Axle
			3rd Axle	4th Axle
			5th Axle	
AA.	Number of Wheels per Axle			
BB.	Tire Size (xx R zz)			
CC.	Ply Rating			
DD.*	Tire Inflation Pressure (Psi)			
EE.	Tire Contact Length (Inches)			
FF.	Tire Contact Width (Inches)			
WEIGHT DATA (POUNDS)				
GG.*	Gross Vehicle Weight			
HH.	Gross Vehicle Weight Rating (GVWR)			
II.*	Axle Weights (Front to Rear)			
JJ.*	Axle Ratings (Front to Rear)			
KK.	Tire Load Rating (55 MPH)			
LL.	Landing Gear Rating (per Leg)			
MM.	Fifth Wheel/pintle Hook Rating			
NN.*	Front Tiedown	Capacity	Quantity	
OO.*	Side Tiedown	Capacity	Quantity Each Side	
PP.*	Rear Tiedown	Capacity	Quantity	

TRACKED VEHICLE DATA (INCHES)			
QQ.	OVERALL TRACK WIDTH		
RR.	WIDTH OF EACH TRACK		
SS.	DISTANCE BETWEEN TRACKS (C.L. TO C.L.)		
TT.	TRACK PAD GROUND CONTACT AREA (SQ.IN.)		
UU.	NUMBER OF ROAD WHEELS		
VV.	ROAD WHEEL AXLE SPACING		
WW.	TYPE OF SUSPENSION		
XX.	CLEAT DEPTH		
YY.	PSI OF TRACK ON SURFACE		
ZZ.	ROAD WHEEL LOADS	See Table Below	
(HARD SURFACE, LEVEL GROUND)			
INDIVIDUAL ROAD WHEEL LOADS (LBS)			
(TRAVELING WEIGHT, FRONT TO REAR)			
LEFT		RIGHT	
#1		#1	
#2		#2	
#3		#3	
#4		#4	
#5		#5	
#6		#6	
#7		#7	
#8		#8	
#9		#9	
#10		#10	



