



CUSH CORP, 1001 Falconcrest Ct., Nixa MO 65714

# Application Questionnaire & Ordering Guide

MULTI-AXLE SUSPENSION SYSTEM INFORMATION, QUOTE #: \_\_\_\_\_

This form is to be filled out by Cush Sales or Customer. A completed form should be submitted to Cush Corp and be assigned Model Numbers and Price. For quote or order placement please mail or print & fax to: **1-417-724-0126**

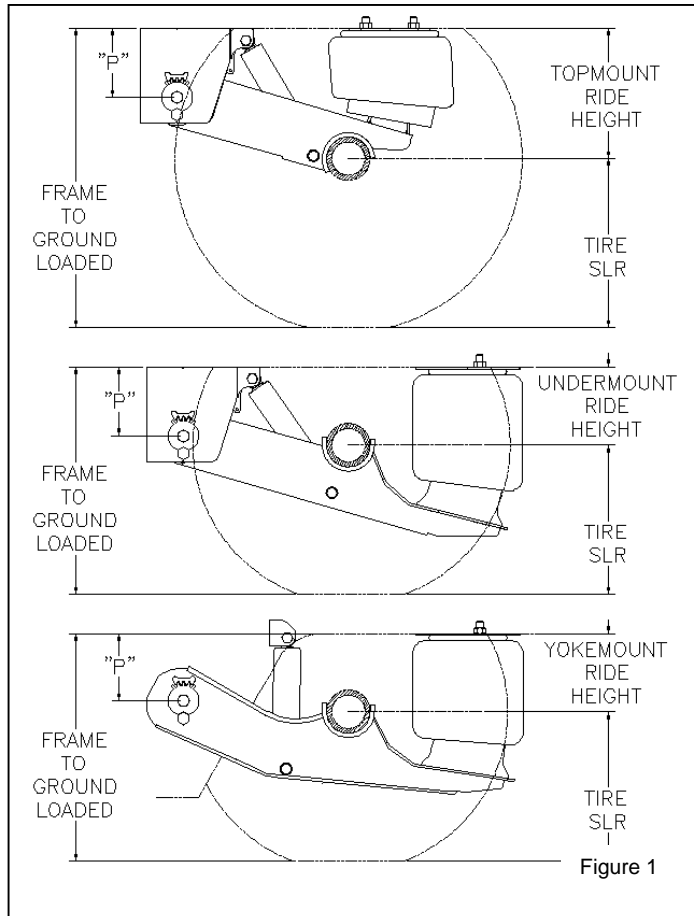
**COMPANY NAME & ADDRESS:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_ **FAX:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**CONTACT** \_\_\_\_\_ **CONTACT E-MAIL:** \_\_\_\_\_

### TRAILER APPLICATION TYPE:

- |   |   |   |   |
|---|---|---|---|
| <input type="checkbox"/> LOWBOY w/YOKE BEAM | <input type="checkbox"/> LOWBOY         | <input type="checkbox"/> DROP DECK          | <input type="checkbox"/> AUTO HAULER                  |
| <input type="checkbox"/> FLAT OR PLATFORM   | <input type="checkbox"/> FLAT - LOGGING | <input type="checkbox"/> TANKER             | <input type="checkbox"/> TANKER - REAR DISCHARGE      |
| <input type="checkbox"/> CONTAINER CHASSIS  | <input type="checkbox"/> GRAIN          | <input type="checkbox"/> LIVESTOCK          | <input type="checkbox"/> DUMP - BOTTOM DISCHARGE      |
| <input type="checkbox"/> VAN & REEFER       | <input type="checkbox"/> DROP FRAME VAN | <input type="checkbox"/> CHIP VAN - LOGGING | <input type="checkbox"/> DUMP - REAR & SIDE DISCHARGE |



Tire Size vs. SLR			Check Tire Size			
Tire Size	Tire Size Tubeless	SLR	Axle A	Axle B	Axle C	Axle D
215/75R17.5		14				
235/75R17.5	8.5R17.5	14.5				
225/70R19.5	9R17.5	15				
245/70R19.5	10R17.5	15.5				
265/70R19.5		16				
285/70R19.5		16				
305/70R19.5		16.5				
255/70R22.5	8R22.5	17				
245/75R22.5		17				
235/80R22.5		17				
275/70R22.5		17.5				
265/75R22.5		18				
255/80R22.5		18				
305/70R22.5		18.5				
295/75R22.5		19				
275/80R22.5		19				
295/80R22.5	11R22.5	19.5				
315/80R22.5		19.5				
285/75R24.5		19.5				
275/80R24.5		19.5				
	11R24.5	20.5				

### SUSPENSION AXLE MOUNTING TYPE REQUEST:

- Customer Weld-on Axle Seat   
  Customer Weld-on & U-Bolt Axle Seat   
  Cush Integrated Suspension w/Axle (Need P1002-01)

### SUSPENSION ASSEMBLY REQUEST (Bolts Loose):

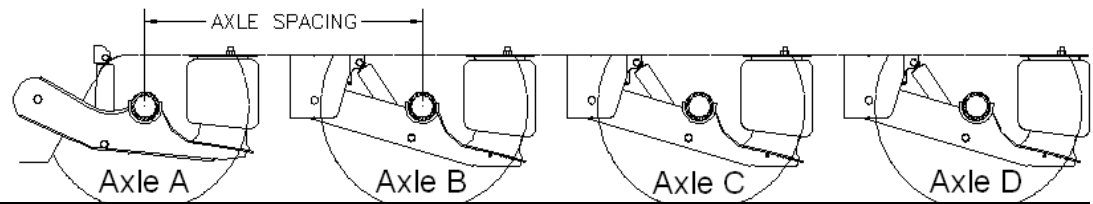
- Unitized (Assembled Hanger/Beam)   
  Unitized w/Shocks (Assembled Hanger/Beam/Shocks)   
  Non-Unitized (Hangers Loose)

### PAINTING of SUSPENSIONS:

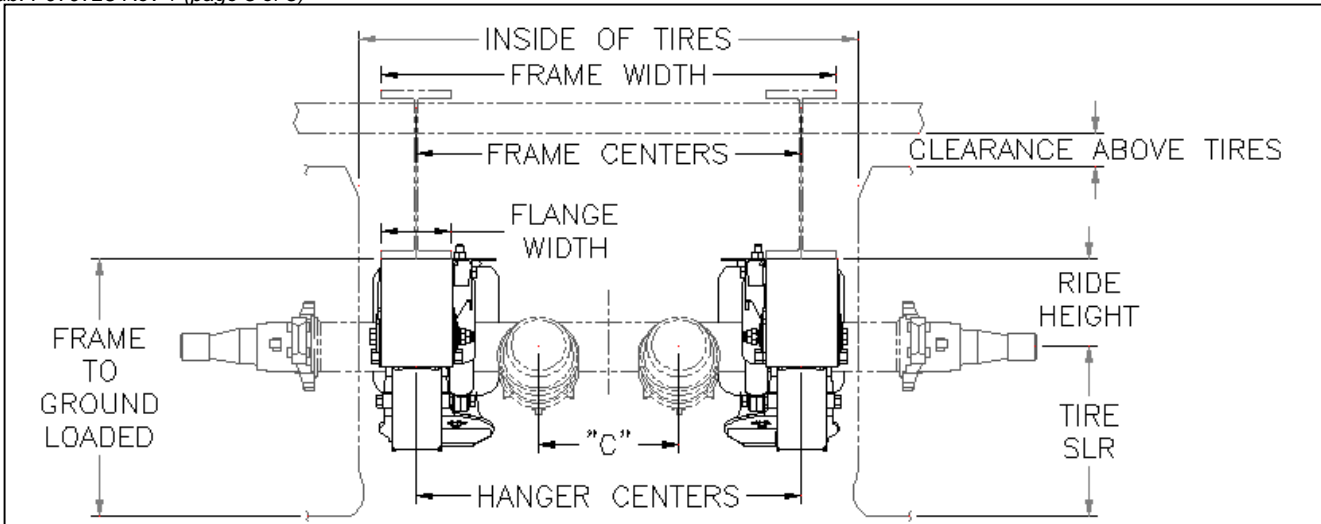
- Black primer all(Std)   
  No hanger-top paint   
  No hanger paint

### AIR CONTROL REQUESTED:

- None   
  HCV w/Mounting Kit   
  Manual   
  Air Dump System   
  Electric   
  Air Lift Individual   
  Other(Note)   
  Air Lift All



Trailer Application Information	Axle A	Axle B	Axle C	Axle D
Frame to Ground Loaded (FTGL)				
Distance to Next Axle (Axle Spacing)				
Axle Track (Std, Self-Steer, Disk Brake)				
Axle Brake Chamber Centers "C"				
Axle Outside Diameter & Wall Thickness				
Axle Brake Type, Size and Capacity				
Tire Size (Single or Duals)				
Tire Static Loaded Radius (SLR)				
Clearance Above Tires @ Ride Height				
Suspension Ride Height (FTGL-SLR)				
Suspension Hanger Centers (Figure 3)				
Requested Suspension Capacity/Axle				
Suspension New or Existing	<input type="checkbox"/> Existing <input type="checkbox"/> New	<input type="checkbox"/> Existing <input type="checkbox"/> New	<input type="checkbox"/> Existing <input type="checkbox"/> New	<input type="checkbox"/> Existing <input type="checkbox"/> New
Suspension Type	<input type="checkbox"/> Mechanical <input type="checkbox"/> Air-Ride TopMount <input type="checkbox"/> Air-Ride UnderMount <input type="checkbox"/> Air-Ride YokeMount	<input type="checkbox"/> Mechanical <input type="checkbox"/> Air-Ride TopMount <input type="checkbox"/> Air-Ride UnderMount	<input type="checkbox"/> Mechanical <input type="checkbox"/> Air-Ride TopMount <input type="checkbox"/> Air-Ride UnderMount	<input type="checkbox"/> Mechanical <input type="checkbox"/> Air-Ride TopMount <input type="checkbox"/> Air-Ride UnderMount
Suspension Function	<input type="checkbox"/> Primary <input type="checkbox"/> Liftable <input type="checkbox"/> Sliding Sub-frame	<input type="checkbox"/> Primary <input type="checkbox"/> Liftable <input type="checkbox"/> Sliding Sub-frame	<input type="checkbox"/> Primary <input type="checkbox"/> Liftable <input type="checkbox"/> Sliding Sub-frame	<input type="checkbox"/> Primary <input type="checkbox"/> Liftable <input type="checkbox"/> Sliding Sub-frame
Suspension UP Travel Request Up Travel=	<input type="checkbox"/> Standard UP <input type="checkbox"/> Limited UP <input type="checkbox"/> Maximum UP (Lift)	<input type="checkbox"/> Standard UP <input type="checkbox"/> Limited UP <input type="checkbox"/> Maximum UP (Lift)	<input type="checkbox"/> Standard UP <input type="checkbox"/> Limited UP <input type="checkbox"/> Maximum UP (Lift)	<input type="checkbox"/> Standard UP <input type="checkbox"/> Limited UP <input type="checkbox"/> Maximum UP (Lift)
Suspension Down Travel Request Down Travel=	<input type="checkbox"/> Standard DN <input type="checkbox"/> Limited DN <input type="checkbox"/> Extended DN	<input type="checkbox"/> Standard DN <input type="checkbox"/> Limited DN <input type="checkbox"/> Extended DN	<input type="checkbox"/> Standard DN <input type="checkbox"/> Limited DN <input type="checkbox"/> Extended DN	<input type="checkbox"/> Standard DN <input type="checkbox"/> Limited DN <input type="checkbox"/> Extended DN
Lift Kit Type (If Applicable)	<input type="checkbox"/> None <input type="checkbox"/> Frt Hgr CenterMount <input type="checkbox"/> Frt Hgr Dual Spring <input type="checkbox"/> Rear CenterMount	<input type="checkbox"/> None <input type="checkbox"/> Frt Hgr CenterMount <input type="checkbox"/> Frt Hgr Dual Spring <input type="checkbox"/> Rear CenterMount	<input type="checkbox"/> None <input type="checkbox"/> Frt Hgr CenterMount <input type="checkbox"/> Frt Hgr Dual Spring <input type="checkbox"/> Rear CenterMount	<input type="checkbox"/> None <input type="checkbox"/> Frt Hgr CenterMount <input type="checkbox"/> Frt Hgr Dual Spring <input type="checkbox"/> Rear CenterMount
Frame Hanger Type	<input type="checkbox"/> Weld-on Wingless <input type="checkbox"/> Weld-on Inner Wing <input type="checkbox"/> Bolt-on (0.63" size) <input type="checkbox"/> Bolt-on (0.50" size)	<input type="checkbox"/> Weld-on Wingless <input type="checkbox"/> Weld-on Inner Wing <input type="checkbox"/> Bolt-on (0.63" size) <input type="checkbox"/> Bolt-on (0.50" size)	<input type="checkbox"/> Weld-on Wingless <input type="checkbox"/> Weld-on Inner Wing <input type="checkbox"/> Bolt-on (0.63" size) <input type="checkbox"/> Bolt-on (0.50" size)	<input type="checkbox"/> Weld-on Wingless <input type="checkbox"/> Weld-on Inner Wing <input type="checkbox"/> Bolt-on (0.63" size) <input type="checkbox"/> Bolt-on (0.50" size)
Shock Mounting Type	<input type="checkbox"/> Front Hanger Mount <input type="checkbox"/> Rear Cross-Member <input type="checkbox"/> No Shocks	<input type="checkbox"/> Front Hanger Mount <input type="checkbox"/> Rear Cross-Member <input type="checkbox"/> No Shocks	<input type="checkbox"/> Front Hanger Mount <input type="checkbox"/> Rear Cross-Member <input type="checkbox"/> No Shocks	<input type="checkbox"/> Front Hanger Mount <input type="checkbox"/> Rear Cross-Member <input type="checkbox"/> No Shocks
Shock Rebound Limiter Restraint	<input type="checkbox"/> None <input type="checkbox"/> Chain Restraint <input type="checkbox"/> Nylon Strap Restraint	<input type="checkbox"/> None <input type="checkbox"/> Chain Restraint <input type="checkbox"/> Nylon Strap Restraint	<input type="checkbox"/> None <input type="checkbox"/> Chain Restraint <input type="checkbox"/> Nylon Strap Restraint	<input type="checkbox"/> None <input type="checkbox"/> Chain Restraint <input type="checkbox"/> Nylon Strap Restraint
Front Hanger C-Channel (None or Yes)				
Hanger/Yoke Pivot "P" (See Figure 1)				
Current Suspension Make/Model				
<b>CUSH SUSPENSION</b>				



**FIGURE 3**

Frame Type	Outside Frame Width	Frame Size/Thickness	Flange Width	Frame Center	Material Carbon Steel	Material Stainless Steel	Material Aluminum	Inside of Tires
Fabricated I-Beam								
Structural I-Beam								
C-Channel								
Tubing								

**Application Warnings!**

- A.** It is important that the proper Cush suspension is chosen for the trailer application. This application sheet helps when selecting suspensions.
- B.** It is the responsibility of the installer to determine the correct location of the suspension in order to provide the proper trailer load distribution. The gross axle weight rating (GAWR) of each axle must not exceed the rated capacity of any of the components involved. The suspension capacity ratings are for suspension components only and do not increase the GAWR.
- C.** It is the responsibility of the suspension installer to ensure structural adequacy of the suspension attachment, trailer frame and any related cross-members.
- D.** It is the responsibility of the suspension purchaser to provide suspension installation drawings and installation manual to the suspension installer. The suspension installer must review the instructions thoroughly before proceeding with an installation.
- E.** In all cases it is the responsibility of the installer to review the needs of each application in regards to tire and frame clearances as well as possible interferences.
- F.** It is the responsibility of the vehicle manufacturer to insure compliance with laws and regulations affecting vehicle operation as equipped.
- G.** PLEASE make special NOTE if application uses a Steering or Disk Brake Axle. These applications need special attention and must be approved by Cush Corp.

**Notes:**

*I agree to accept the responsibilities of proper suspension installation.*

Applicant's Signature/Date: \_\_\_\_\_