

DESCRIPTION	QTY	PART NUMBER
UPRIGHT COUPLER	8	AT-BC-PRO-W07
CROSS MEMBER	4	AT-BC-PRO-W06
BASE	2	AT-BC-PRO-W05
LONG UPRIGHT	2	AT-BC-PRO-W04
SHORT UPRIGHT	6	AT-BC-PRO-W03
"W" BRACKET	2	AT-PRO-11
8" CASTER W/ BRAKE	2	W-C8X2P-BK-TWIRL
8" CASTER W/O BRAKE	2	W-C8X2P-TWIRL
CENTER BAR (NOT INCLUDED)		

PRODUCT IS SHIPPED WITH THE FOLLOWING HARDWARE FOR ASSEMBLY	
DESCRIPTION	QTY
3/8" X 1" BOLT	28
3/8" X 16 TPI NUT	28

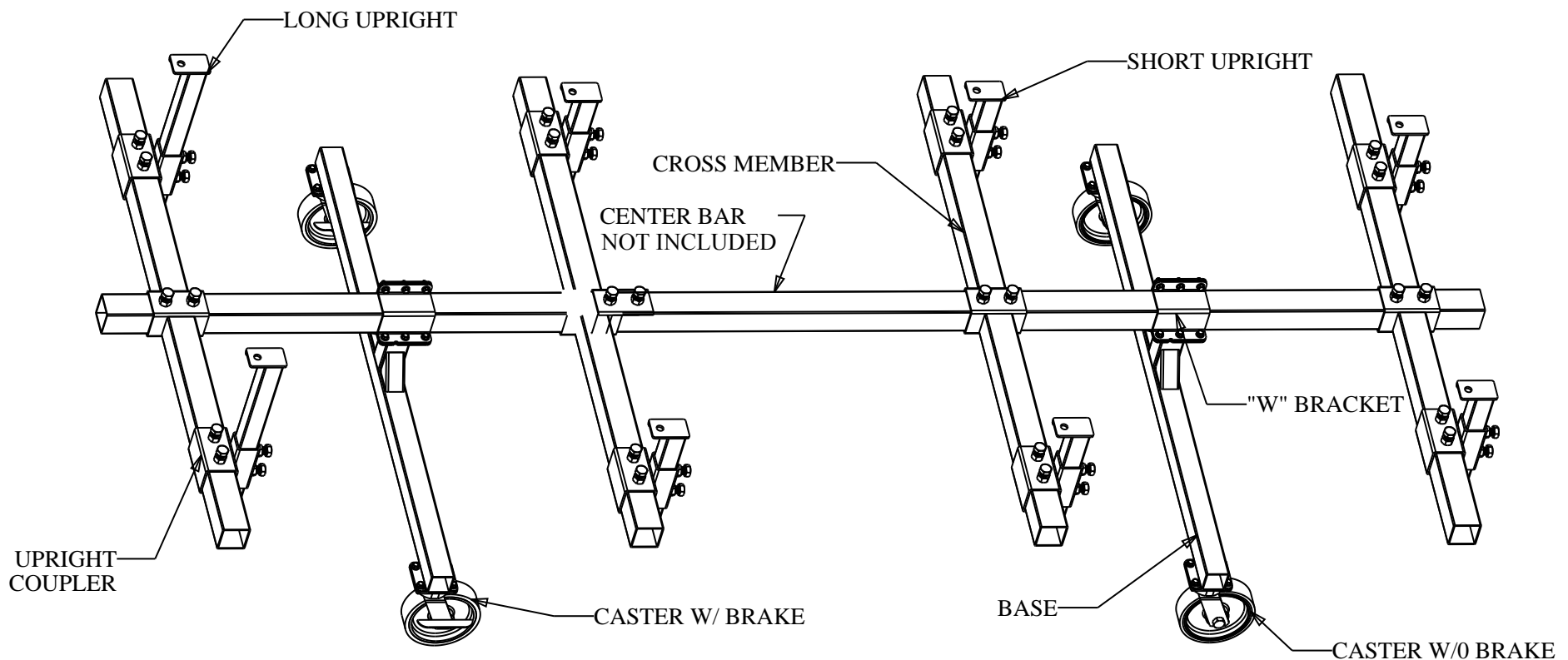
# AutoTwirler®

**675 N 600 W STE 2, LOGAN UTAH, 84321**

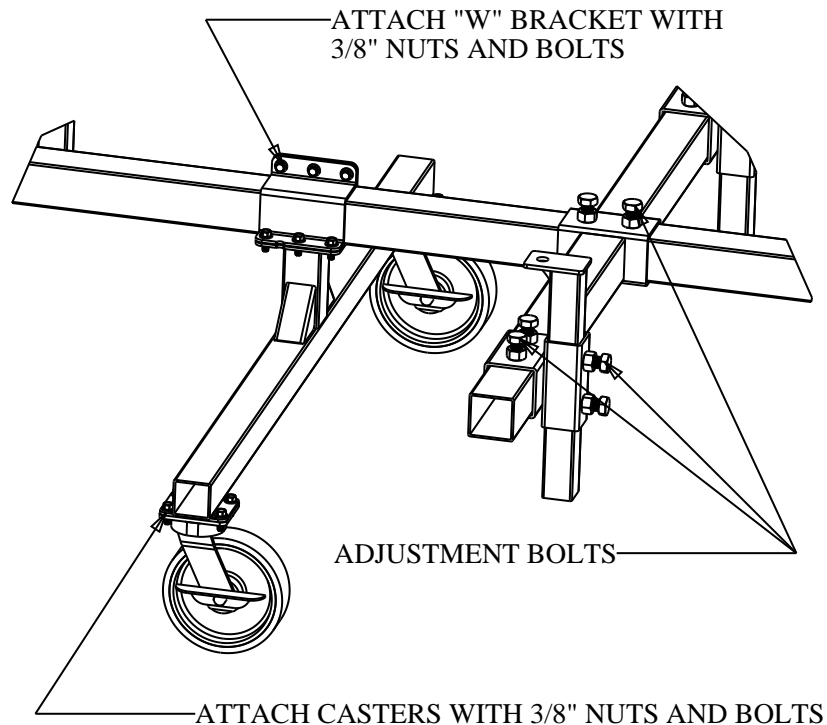
email: [info@autotwirler.com](mailto:info@autotwirler.com) website: [www.autotwirler.com](http://www.autotwirler.com)  
3/23/15

**WEIGHT CAPACITY 3000 LB**

## Auto Twirler Body Cart Pro



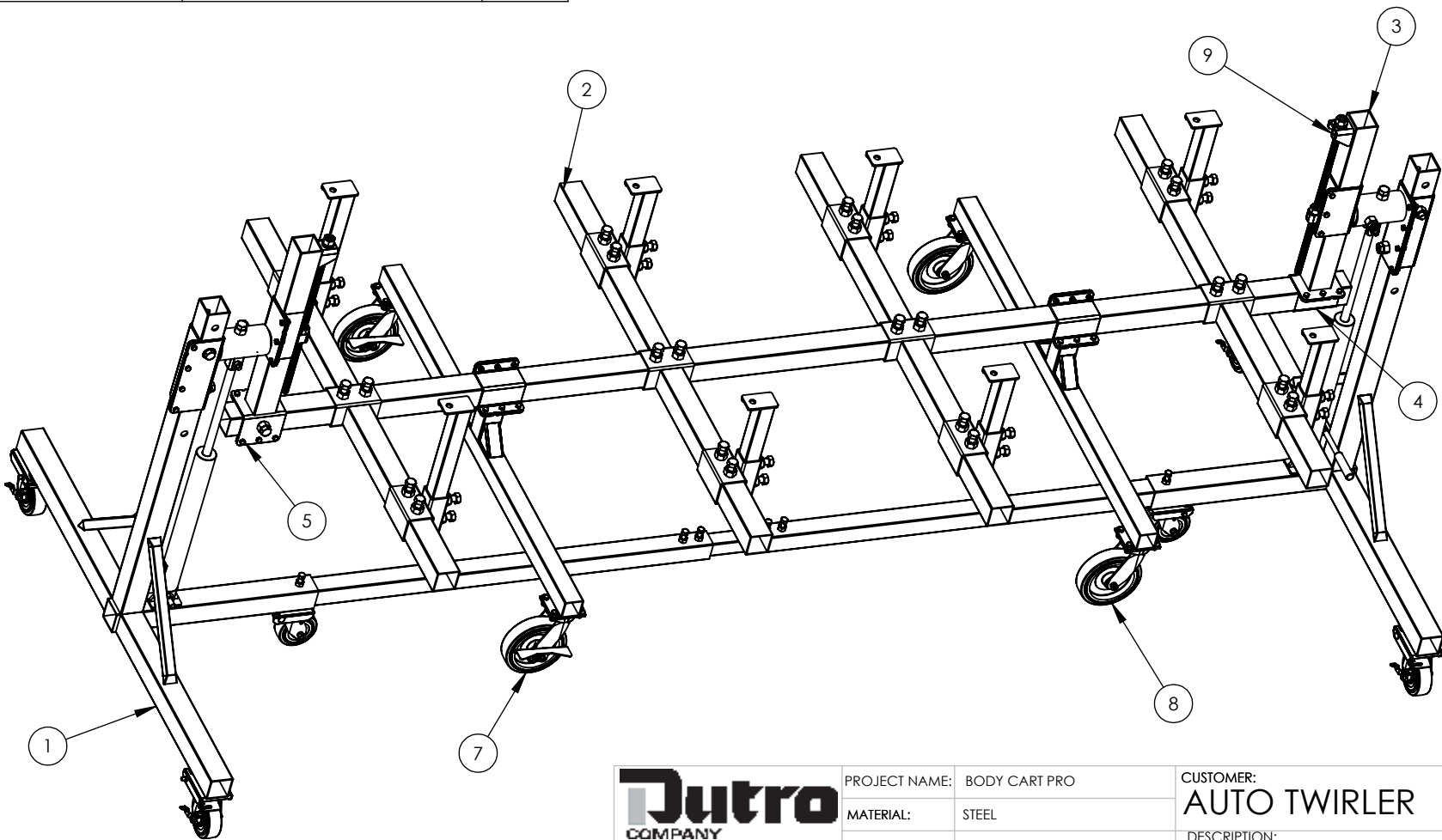
# Assembly Instructions



- 1.) Bolt the casters onto the caster pads which are welded onto each leg, item, using 16 pcs of 3/8" bolts and nuts provided.
- 2.) Lay the center tube on one of the top plates on the center of one leg. This looks like an "L" angle with 6 holes in it. It is the bottom of the clamp that holds the center tube. Secure it with the matching "W" clamp using 6 pcs of 3/8" bolts and nuts provided. Note you can pre-assemble the clamp and slide the 3" tube into it to make it easier.
- 3.) Slide one Cross Member on the end of the center tube. Tighten the 3/4" on the center coupler.
- 4.) Slide two Cross Member on the opposite end of the center tube to position them near the center of the tube. Tighten.
- 5.) Bolt the "W" clamp onto the second leg, but leave the bolts loose. Slide the clamp onto the center tube, position it, and tighten the bolts.
- 6.) Slide on the 4th crossbar onto the end of the center tube and tighten the center bolts.
- 7.) Slide couplers onto each Cross Member, one per side. Slide mounting posts into the adjacent tube on the coupler.
- 8.) Measure body mounts on the car body you are mounting, position the posts as needed, and bolt to your car.
- 9.) Make sure all hardware is properly secure before use.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AT-PRO-AS	PRO ROTISSERIE CONFIG.	1
2	AT-BC-PRO-ASSY	BODY CART PRO	1
3	AT-PRO-SUB-ARM	SSS PRO UPRIGHT	2
4	AT-PRO-11	PRO MOUNTING ARM W BRKT	2
5	1-A205	3/8-16 X 3/4 ZINC	12
6	1-A022 (NOT SEEN)	3/8-16 NUT	12
7	W-C8X2P BK TWIRL	2X8 SWIVEL WITH BRAKE	2
8	W-C8X2P TWIRL	CASTER8X2SPECIAL-PAD	2
9	AT-PRO-14-W	ACME NUT LOCKCOLLAR WELD	2

REV.	DESCRIPTION	DATE	APPROVED
A	DRAWN IN SOLIDWORKS	4/22/2019	BHS



UNLESS OTHERWISE SPECIFIED:

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
DUTRO CO. ANY REPRODUCTION IN  
PART OR AS A WHOLE WITHOUT THE  
WRITTEN PERMISSION OF DUTRO CO.  
IS PROHIBITED.

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL:  $\pm 1/32$   
ANGULAR:  $\pm .5^\circ$  BEND  $\pm .03$   
ONE PLACE DECIMAL =  $\pm .1$   
TWO PLACE DECIMAL =  $\pm .03$   
THREE PLACE DECIMAL =  $\pm .005$

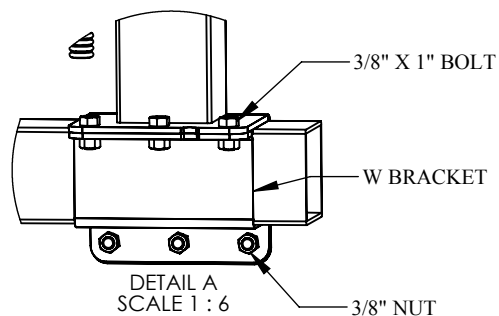
PROJECT NAME:	BODY CART PRO	CUSTOMER:	REV
MATERIAL:	STEEL	AUTO TWIRLER	A
FINISH:		DESCRIPTION:	SIZE
MODELED BY:	BHS	BODY CART PRO	A
DRAWN BY:	BHS	PART#: AT-BC-PRO-CONNECT	
CHECKED BY:		DWG: AT-BC-PRO-CONNECT	
DATE:	2/27/2014		
DATE:	2/27/2017		
DATE:			
DIR: C:\CAD_FILES\VAULT\CAD FILES\AUTOTWIRLER\BODY CART PRO\			SHEET 1 OF 3

DESCRIPTION	QTY.	PART NUMBER
BALANCE ARM	2	AT-PRO-SUB-ARM
AUTO TWIRLER (NOT INCLUDED)	1	AT-PRO-ASSY
PRO BODY CART	1	AT-BC-PRO-ASSY
W BRACKET	2	AT-PRO-11
3/8" X 1" BOLT	12	
3/8" NUT	12	
CENTER BAR (NOT INCLUDED)		

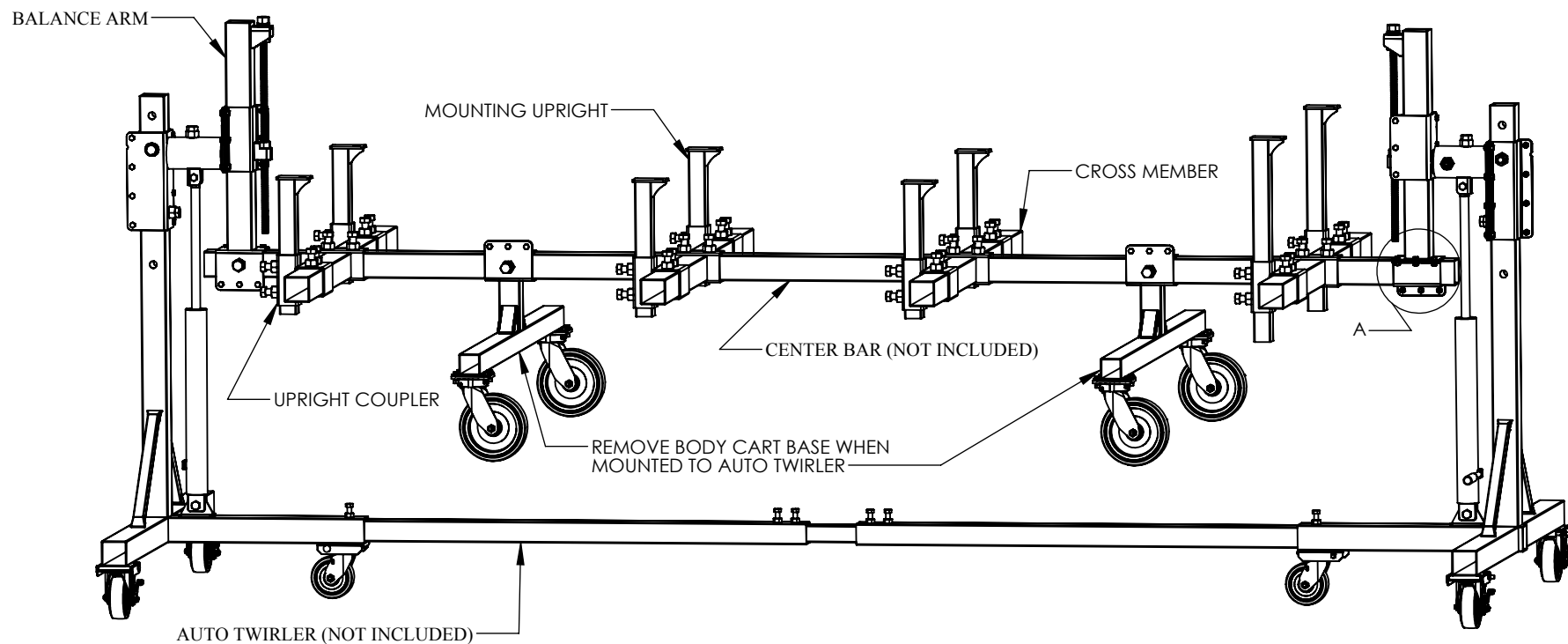
# Auto Twirler®

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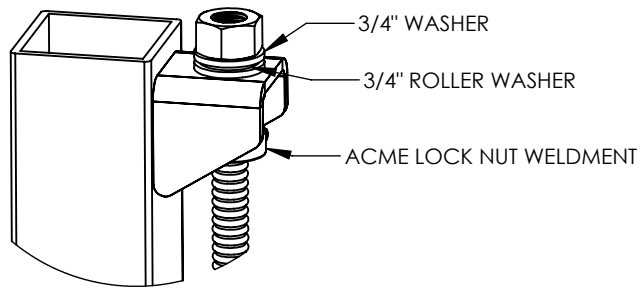
email: [info@autotwirler.com](mailto:info@autotwirler.com) website: [autotwirler.com](http://autotwirler.com)



## BODY CART PRO CONNECT



# Assembly & Mounting Instructions



1.) Remove both T-Arm's from the Auto Twirler. Take care to save the Washers and Acme Locknut Weldment and 3/8" nuts and bolts to be reused.

2.) Attach the Balance Arm where the T-Arm was attached, using the W bracket, and the same Washers and Acme Locknut Weldment that was removed to take off the T-Arm.

3.) Place 3 Washers on top of the bracket with the Roller Washer sandwiched inbetween the Standard Washers, then slide the Acme All Thread Screw Jack Rod thru the hole. Slide your other 3 Washers onto the Acme All Thread Screw Jack, Then Thread on the Acme Lock Nut Weldment all the way to to the bracket and tighten.

4.) Thread the Acme All Thread Screw Jack that is attached to the Balance Arm on to the Auto Twirler W Bracket. Next attach the W Bracket to the Auto Twirler using the 3/8" nuts and bolts.

5.) Slide all four Cross members onto the Center Bar, spaced evenly and tighten the 3/4" bolts. Slide Upright Coupler onto each Cross Member, one per side. Slide Mounting Upright into the adjacent tube on the coupler.

6.) Attach Center Bar to both Balance Arm's using the W Bracket and 3/8" nuts and bolts.

7.) Measure body mounts on the car body you are mounting, position the posts as needed, and bolt to your vehicle.

8.) Make sure all hardware is properly secure before use.

