



USCT Motorsports Mopar Big Block Engine Dolly  
USCT7M1002 [www.USCTMotorsports.com](http://www.USCTMotorsports.com) 919-855-8200



### *Short Version*

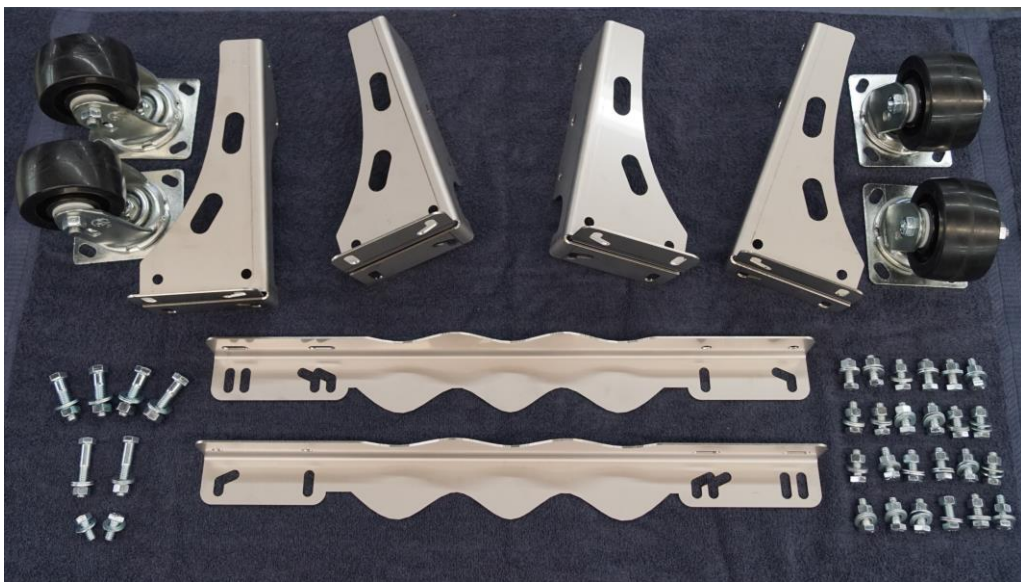
1. Confirm you have all the hardware, brackets and caster wheels.
2. Curves go towards the front of the engine. Front bracket has two bolt holes to connect to engine mount on block. Rear bracket has 3 bolt holes to connect to the rear bell housing of the block.
3. Attach the wave crossbars to a front and rear bracket (driver side is longer, pass side is shorter) using supplied 3/8 hardware finger tight.
4. Attach caster wheels to the crossbars and brackets using supplied 3/8 hardware finger tight.
5. Safely lift your engine.
6. Attach the brackets to your big block engine (drivers side is longer than passenger side) using the supplied 7/16 hardware at front engine mount location, 3/8 hardware at rear bell housing locations. Rear uses bolts in 2 of the 3 holes. Extra hole is for dowel pin and starter gap.
7. Tighten brackets to engine, then tighten wave crossbar to brackets, then tighten casters.
8. Carefully lower engine, confirm level and stable.



*Long Version*

Thank you for purchasing the finest Engine Dolly available. USCT Motorsports takes great pride in producing the best tools and products possible. If you have any questions about one of our products or a suggestion for how we can make something better, please do not hesitate to call. You can also call just to say Hi, or tell us how the installation went. We're car folks too!

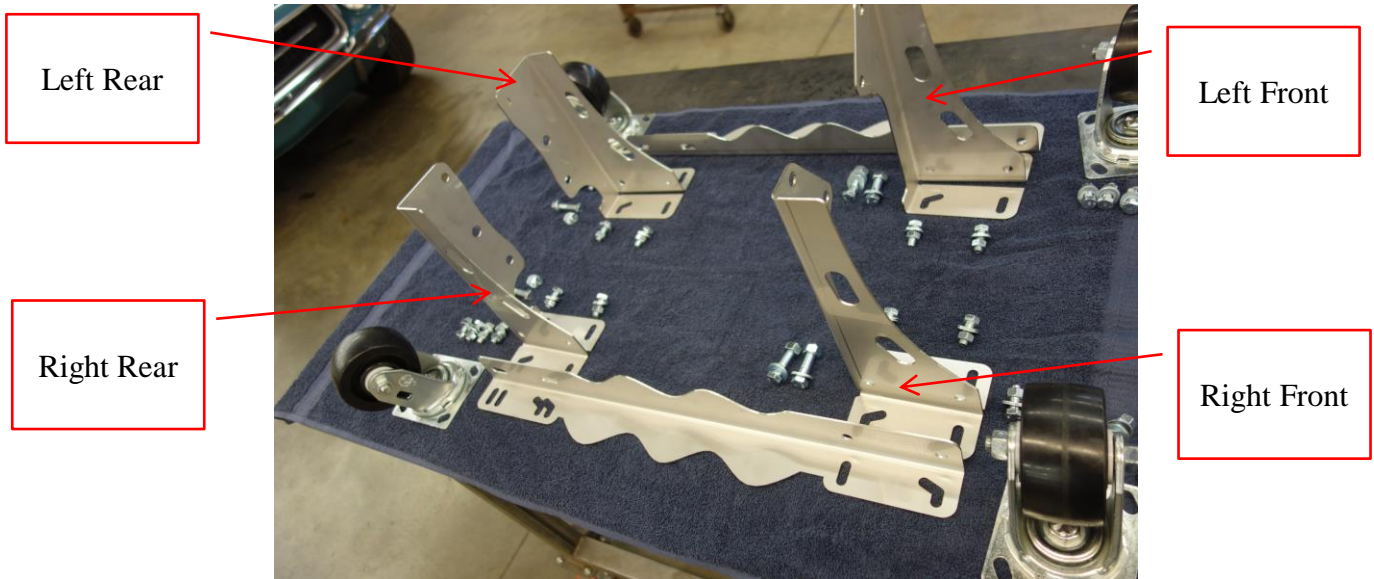
Confirm you have all the hardware, brackets and caster wheels.



(2) Front Brackets, 1 left and 1 right	(24) 3/8 X 1" Bolts
(2) Rear Brackets, 1 left and 1 right	(54) 3/8 Washers
(2) Wave connectors	(26) 3/8 Nuts
(4) swivel caster wheels	(2) 3/8 X 3/4" Bolts
(4) 7/16 X 1 3/4" Bolts	(2) 3/8 X 2" Bolts
(4) 7/16 Nuts	(1) Instructions
(8) 7/16 Washers	

Assemble the parts on a table in the correct orientation

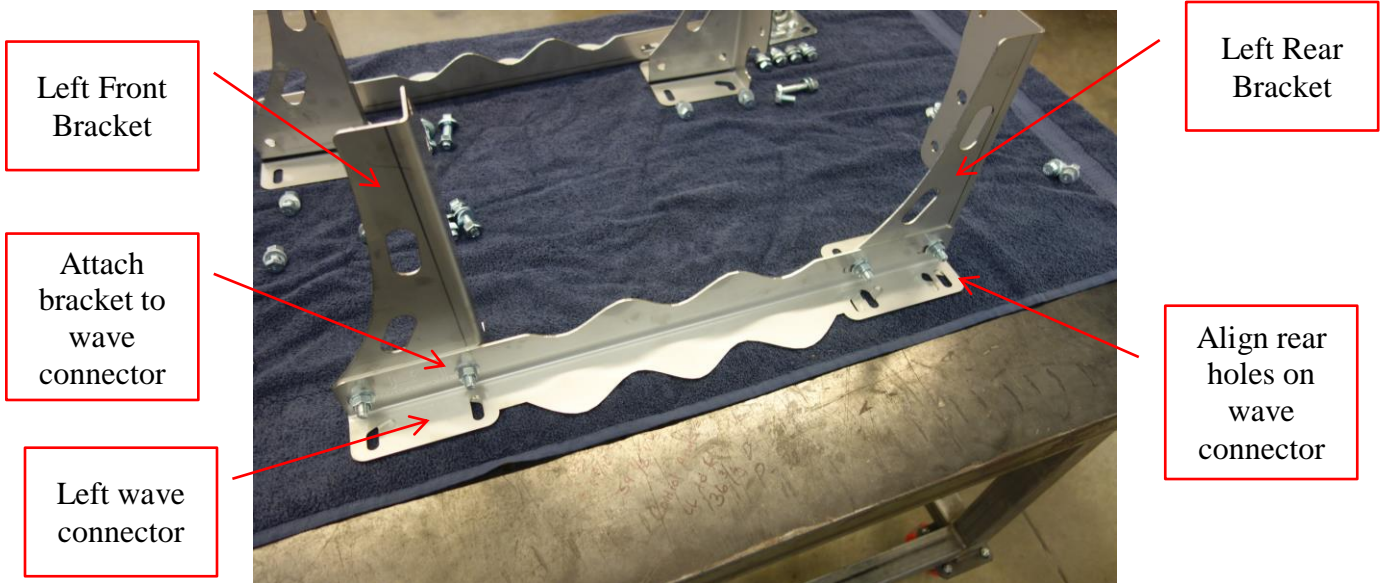
The front engine brackets have two bolt holes. These attach to the block at the motor location. The rear brackets have three bolt holes and attach using two of them at the rear bell housing (the extra hole is for a dowel pin on the passenger side and is where the start gap is located on the drive side).



Tip for correct orientation: Curves face forward, bolt holes point in towards block. The wave connectors have multiple mounting holes and use the caster wheel plate to clamp the brackets, casters and wave connectors together.

Attach the Left (driver) side wave connector to the left front and rear brackets

The driver side of the engine dolly will need to be longer when attached to the engine. The rear holes in the wave connector are slotted so the rear brackets can be adjusted to be longer on the left (driver) side, shorter on the right (passenger) side.

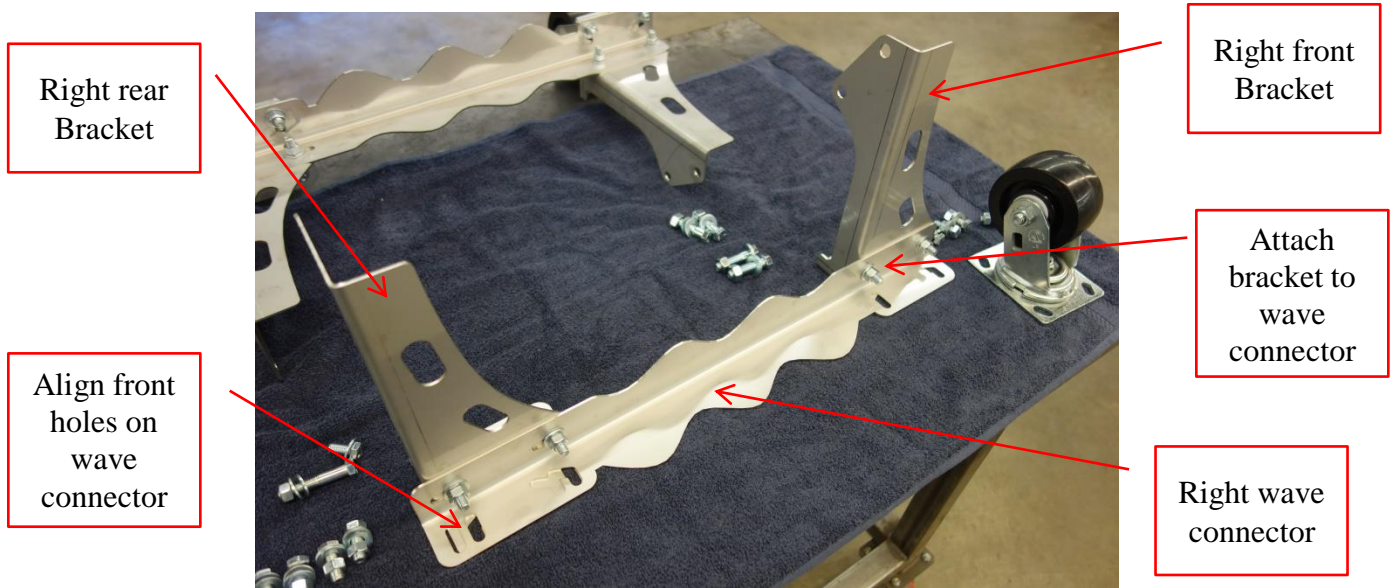


Place the left (driver) wave connector over the bottom front and rear brackets and attach using two (2) 3/8 bolt/washer/nuts in each bracket. Make them finger tight so you can adjust after mounting to engine block if needed.



Attach the Right (passenger) side wave connector to the right front and rear brackets

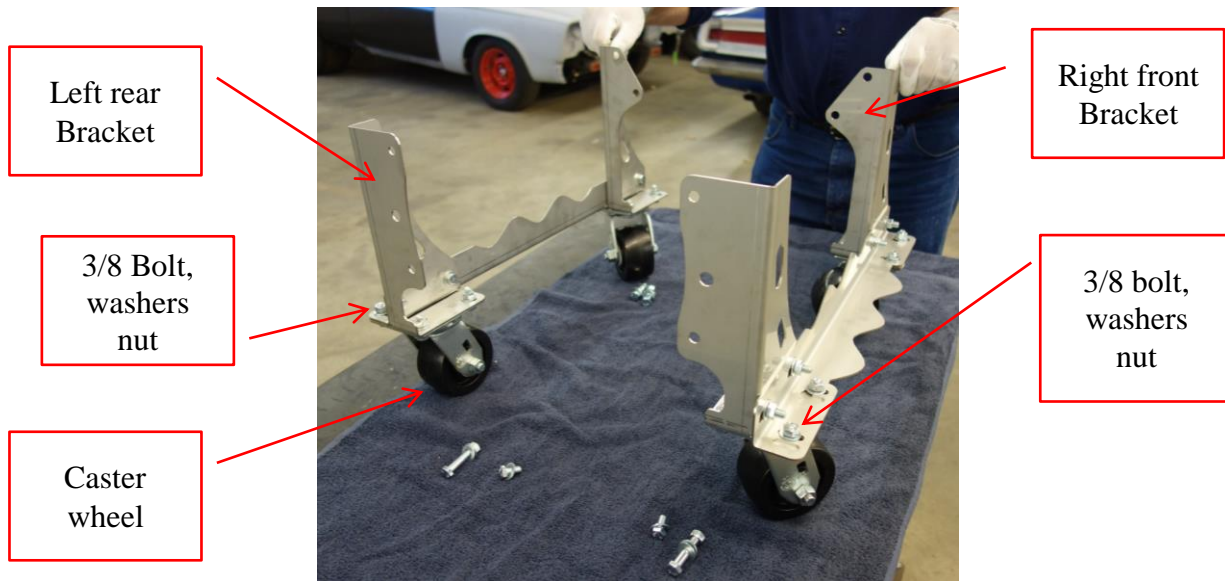
The passenger side of the engine dolly will need to be shorter when attached to the engine. The rear holes in the wave connector are slotted so the rear brackets can be adjusted to be shorter on the right (passenger) side.



Place the right (passenger) wave connector over the bottom front and rear brackets and attach using two (2) 3/8 bolt/washer/nuts in each bracket. Make them finger tight so you can adjust later after bolting to the engine if needed.

Attach caster wheels to the crossbars and brackets using supplied 3/8 hardware finger tight.

Mount a caster wheel at each end of the wave connector, placing the bolts through the caster wheel plate, wave connector and bracket.



Safely lift your engine and attach the brackets to your big block engine.

The left (drivers) side is longer and the right (passenger) side is shorter. Use the supplied 7/16 hardware to attach the front brackets to the engine block front motor mount locations. Use the supplied 3/8 hardware to attach at the rear bell housing location. The Rear uses bolts in the top and bottom holes. The middle hole is for dowel pin clearance on the right (passenger) side and start gap on the left (driver) side.



Right Passenger side



Rear view



Left Driver side

Tighten all the fasteners then slowly lower your engine onto the casters. Check that the engine is level and secure. All four casters should touch the ground and the engine should be stable when pushed.