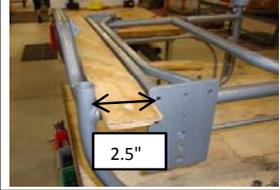
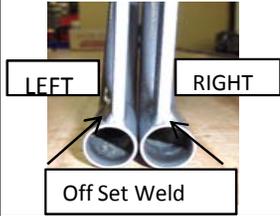
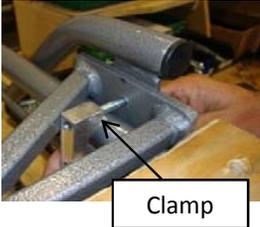


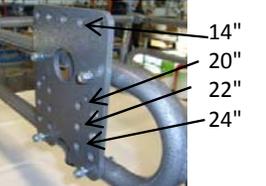
**Instruction:** Rear Mounted Mag Conversion – Basic, Pedal and Midline

**Approval:** P. McTaggart

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Step	Tools	Qty	Hardware	Qty	Broda Part	Execution	Figures
Step 1	7/16" wrench					Turn chair upside down and remove rear casters. With a 7/16" wrench. You may need to use a rubber mallet to loosen the caster post from the caster socket. Gently bang the caster on either side to ease it out of the socket.	
Step 2				1	Mounting Bracket	Place the width specific wheelchair mounting bracket in the appropriate position, approximately 2.5" from the rear of the chair to the mounting plate. Make sure that the bent cross member is facing towards the front of the chair.	
Step 3				1 1	Left Wheel Lock Mount Right Wheel Lock Mount	Determine which wheel lock mount is the left and which is the right by holding them side by side. You will notice that the plates are slightly offset from the center of the 1" tubing. The proper positioning for left and right will be when the plates are on the inside of the tubing as opposed to the outside of the tubing.	
Step 4		2	1/4"-20 x 1-3/4" hex cap screw			Install two 1/4"-20 x 1-3/4" long hex cap screws through the holes in a left wheel lock mount assembly and insert through the two holes located in the left side of the wheelchair mount.	

Step 5				1	Wheelchair clamp	Place a wheelchair clamp around the inside of the lower side rail between the cross rails of the mounting bracket. Thread the hex cap screws into the clamp block. Finger tighten only at this time.	
Step 6		2	1/4"-20 x 1-3/4" hex cap screw			Install two 1/4"-20 x 1-3/4" long hex cap screws through the holes in a right wheel lock mount assembly and insert through the two holes located in the right side of the wheelchair mount.	
Step 7				1	Wheelchair clamp	Place a wheelchair clamp around the inside of the lower side rail between the cross rails of the mounting bracket. Thread the hex cap screws into the clamp block. Finger tighten only at this time.	
Step 8	7/16" wrench					Tighten the fasteners installed in steps 4 & 6 with a 7/16 wrench.	
Step 9				1	Bc/Pd Anti-Tips Pair	Install two anti-tippers for bc/pd into the rear caster sockets, with the anti -tippers trailing behind the chair.	
Step 10						Install a mag wheel sleeve into the bearings of the mag wheel. (Install through the bearings opposite of the hand rim on the wheel.)	

Step 11						<p>Determine the mag wheel placement according to the mag wheel diameter and the corresponding mounting location.</p>	
Step 12			7/16"-14 x 3-1/2" long Hex Cap Screw			<p>Insert a 7/16"-14 x 3-1/2" long Hex Cap Screw in the appropriate axle hole on the left side of the wheelchair mounting bracket.</p> <p><i>Helpful Hint: Head of the bolt to the inside of the chair.</i></p>	
Step 13		1 1	7/16" flat washer 7/16" nyloc nut.			<p>With the hand rim facing the outside of the chair install the Mag wheel and sleeve from step 10 over the axle bolt installed in step 12, follow with a 7/16" flat washer &amp; 7/16" nyloc nut.</p> <p><i>Helpful Hint: Check clearance between mag wheel and wheel lock mount and add washers behind sleeve if needed.</i></p>	
Step 14	5/8" wrench					<p>Repeat steps 10, 12, 13, on the right hand side of chair. Tighten fasteners on steps 10 through 13 using 5/8" wrenches.</p>	
Step 15				2	Aluminum wheel lock clamp	<p>Turn base over onto it's wheels, install the aluminum wheel lock clamps onto the wheel lock mounts installed in step 3 above.</p> <p><i>Helpful Hint: The socket cap screws on the clamp must face the outside of the chair frame.</i></p>	
Step 16					Wheel lock mechanism	<p>Slide the proper wheel lock 1" tubing mount into the clamp. Position the wheel lock by placing it in an <u>unlocked</u> setting and sliding it towards the tire until the wheel lock mechanism meets the outside edge of the tire.</p>	 <p>Front of wheel lock faces front of chair</p>

Step 17	5mm hex key				<p>Tighten the screws on the wheel lock clamp using a 5mm hex key to clamp the lock onto the lock mount. Test the wheel lock by engaging it to ensure it touches and locks the tires.</p>	
					<p>For questions or concerns, Please contact Broda at 1-800-668-0637 or your local area representative.</p>	