



## WATSON RACING 2015+ S550 MUSTANG DRAG CHUTE & BUMPER KIT

The Watson Racing Drag Race Parachute Bumper and Chute Kit was designed as an upgrade to the 2016 Super Cobra Jet drag cars, and can also be used on any 2015+ S550 Mustang.

**THESE INSTRUCTIONS ARE INTENDED AS A GUIDE ONLY, NOT STEP-BY-STEP INSTRUCTIONS. READ THOROUGHLY BEFORE BEGINNING. INTENDED FOR OFFROAD RACE USE ONLY.**

**Note: Use blue thread locker on all bolts where possible.**

- 1) Remove Cobra Jet's battery on/off handle by disconnecting it at the rod-end, at the switch. Pull handle out through fascia. Remove rear fascia from car by removing all factory hardware.



- 2) With fascia removed, remove factory bumper beam. Install supplied Watson Racing parachute bumper to the car using two of the original bumper bolts, one per side.

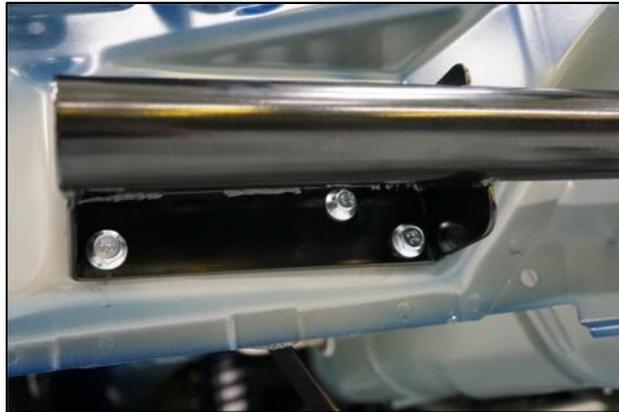


- 3) Mark the remaining 4 bolt holes on each side, to be drilled as noted in the next step. The factory bumper is only attached to the car with 2 bolts per side, which is NOT strong enough to sustain repeated abuse from parachute deployment.

- 4) With parachute bumper removed, drill 4 holes per side. Start with a 1/8" drill bit and enlarge to 5/16". Drill through the second layer of metal; the goal is to capture the "flange" created by the rear frame horn (circled).



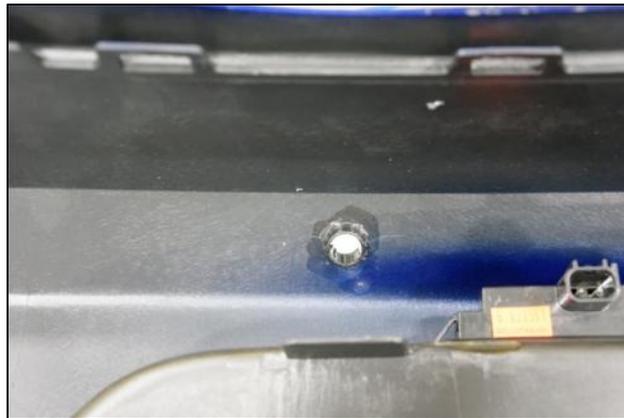
- 5) Install Chute Bumper using supplied M8x60mm flange bolts through the outer two holes on either end, and the supplied M8x35mm flange bolts on the inner two holes of either side. Capture these bolts with the supplied washers and M8 Nylock Nuts. Use the supplied M8 Socket Head bolts or the OEM bolts in the factory bumper bolt holes.



- 6) Use hole saw and the supplied template to cut the 2" hole in the license plate area of the rear fascia, using the license plate bolts as reference points.

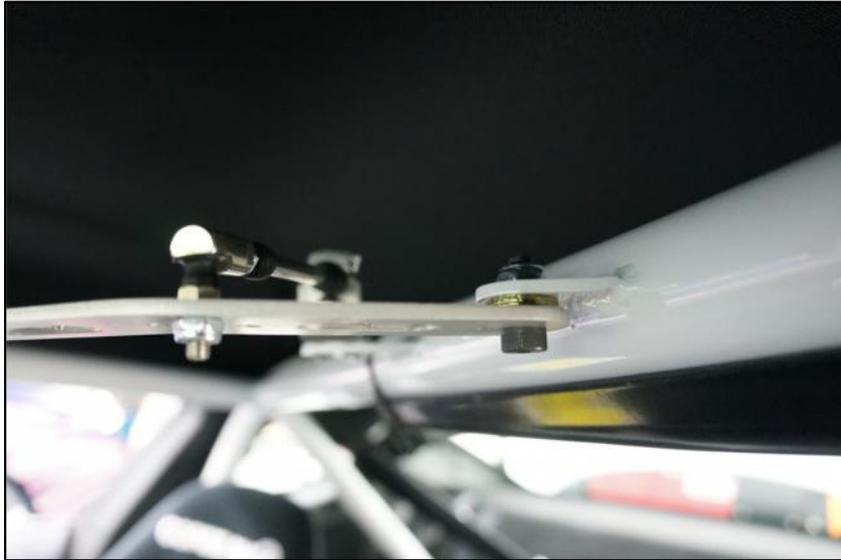


- 7) Drill 13mm hole for parachute release cable and the supplied cable grommet. This is optional- the instructions that follow show you a typical installation method for the chute release cable, but there are many options available to you. Epoxy grommet to fascia to lock it in place. Note that hole for cable is in-line with the cable holder on the Parachute Bracket. Second photo below is of the inside of the fascia, to aid in locating hole.



- 8) Install cable release handle (“A”) to the roll cage as shown below, using supplied shoulder bolt, nut, and two washers. Using the second photo (next page) as reference, the stack-up (order) of parts from bottom to top is: Shoulder bolt, handle, two washers, cage tab, then nut. Install supplied cable retention bracket (“B”) to cage tab. Use included template to drill central hole for mounting. Install bracket using M5 screws and nuts. **NOTE:** Depending on the cable kit being used, you may need to drill another hole in the roll cage mounting tab. See attached template as a guide.





- 9) Route cable over roll cage tubes, secure to your liking using zip-ties. Dislodge C-Pillar trim panel, and route cable behind trim panel and down into trunk. Reinstall C-Pillar trim panel.



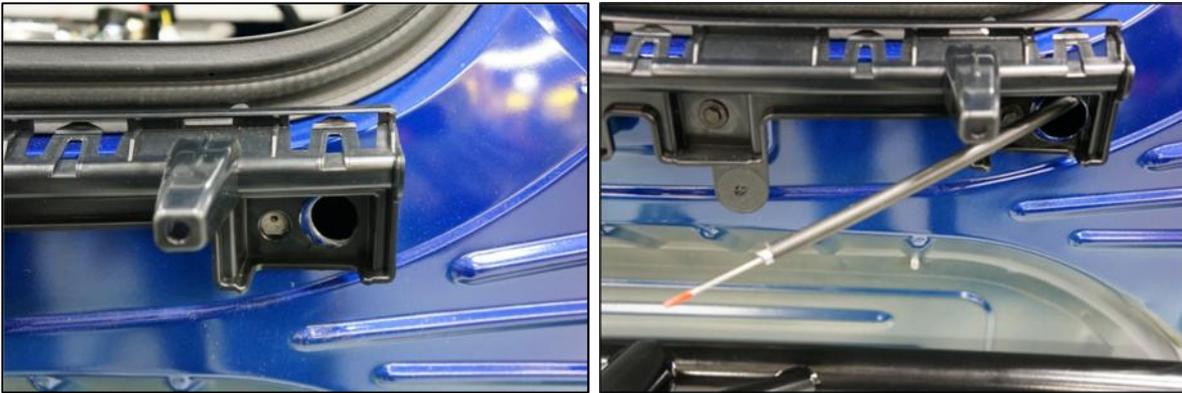
- 10) Route cable around passenger side of trunk. Use supplied P-clamp(s) wherever desired (circled). Note routing of cable through the existing hole in the sheet metal, below.



- 11) On the back of the car, remove center plastic fascia retainer. With a stepped drill bit, enlarge hole (circled) in sheet metal to 1".



- 12) Drill matching hole in the plastic fascia retainer previously removed. Reinstall onto car, and route cable through.

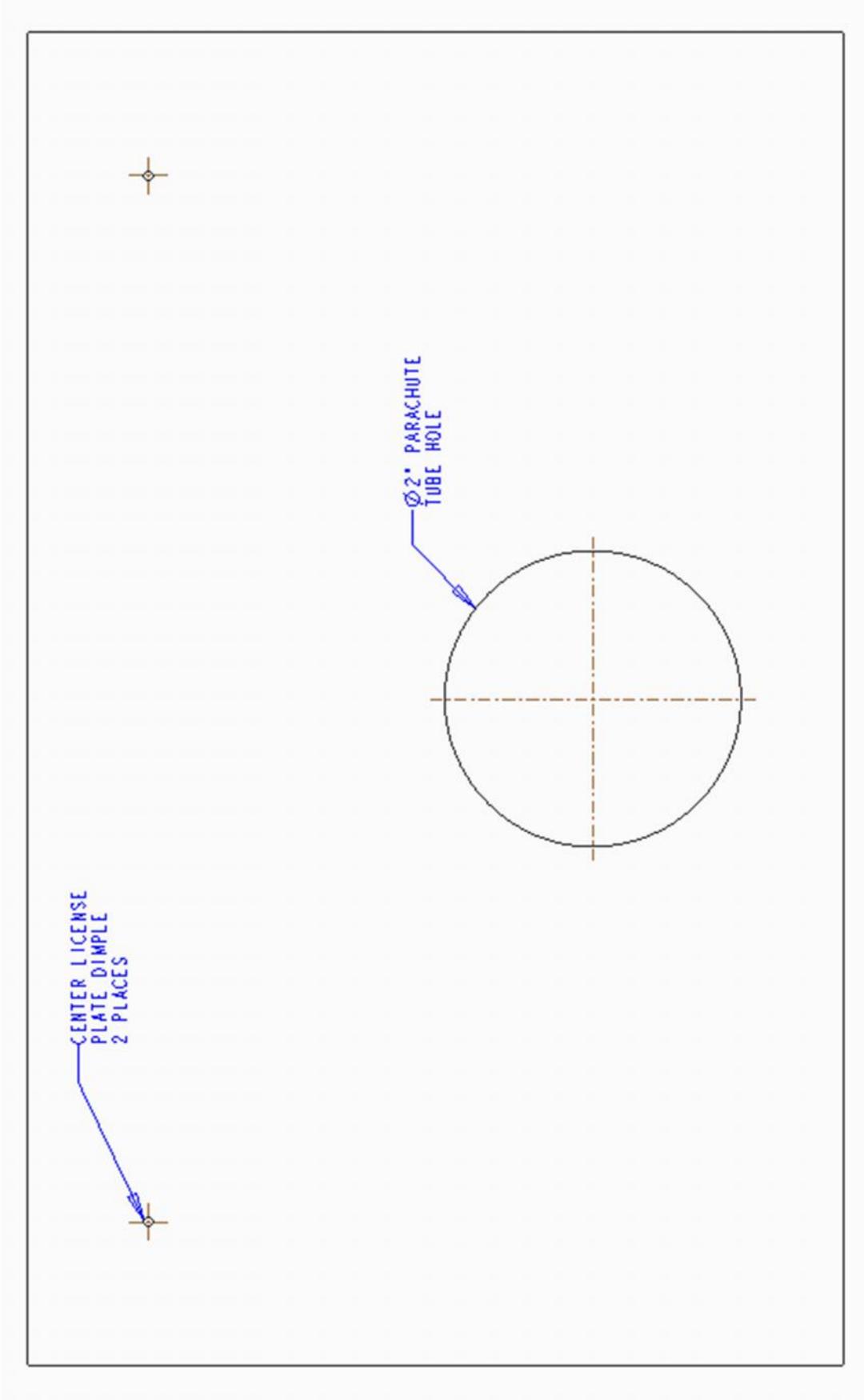


- 13) With an assistant, install the fascia onto the car. Guide the cable through the grommet drilled previously, and guide the Chute bumper/receiver through the hole in the fascia. Fasten all factory fascia mounting points and re-install battery on/off handle.
- 14) Install Chute bracket to bumper using supplied large bolt/nut. Install chute to chute bracket using 4 supplied nuts/bolts. Secure chute release cable to parachute. Test to ensure functionality **PRIOR TO RACE USE.**

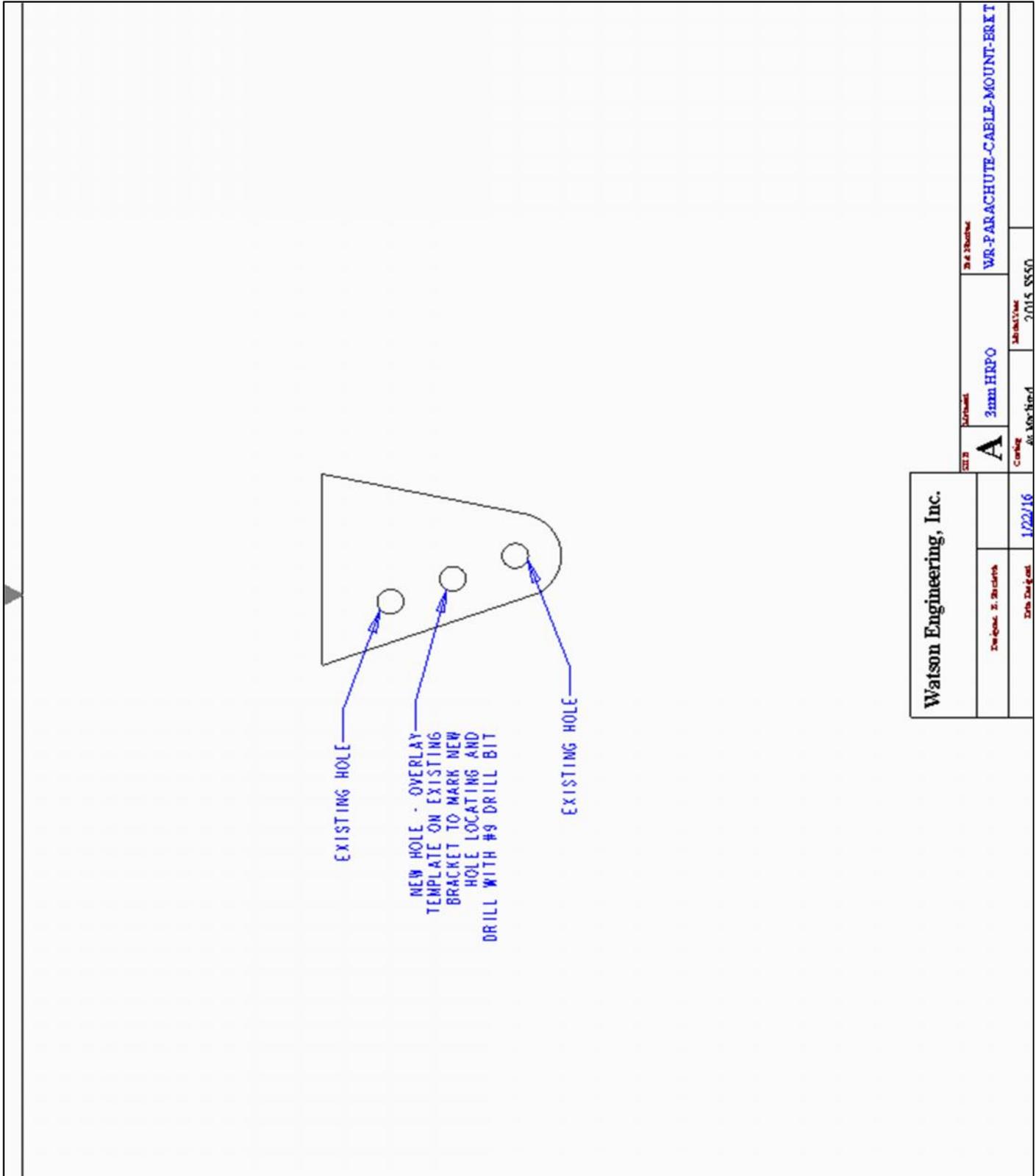


Thank you for choosing Watson Racing products! If you have any technical questions or comments, please call us at: 855-WATRACE (928-7223).

# BUMPER TEMPLATE



CAGE TAB DRILL TEMPLATE (if needed)



<b>Watson Engineering, Inc.</b>		<b>REV B</b>	<b>DATE</b>	<b>BY</b>
	DESIGNED BY: <b>3/20/16</b>	<b>A</b>	<b>3/20/16</b>	<b>HRPO</b>
	DRAWN BY: <b>1/22/16</b>	Checked by: <b>HRPO</b>	Approved by: <b>HRPO</b>	Material: <b>2015 SS50</b>
				<b>WR-PARACHUTE-CABLE-MOUNT-BRKT</b>