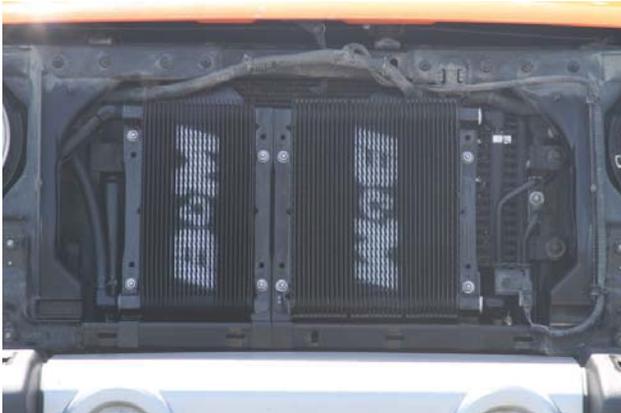


ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1	4001774	Rear Mounting Bracket	1	9	3401598	¼" Flat Washer	6
2	4001775	Front Mounting Bracket	2	10	3401557	¼" Split Lock Washer	6
3	0070273	Super Cooler	2	11	3401555	¼-20" Nut	6
	70301BA-01	Hardware Pack	1	12	3401610	⅜" Hose Pinch Clamp	4
4	3401584	10-32 x ½" Screw	1	13	8700154	⅜ x ⅜" Straight Barb	1
5	3401587	10-32 Flat Washer	1	14	8700152	½ NPT x ⅜" 90° Barb	1
6	3401588	10-32 Lock Washer	1	15	8700153	½ NPT x ⅜" 45° Barb	1
7	3401589	10-32 Nut	1	16	5500631	⅜" Transmission Cooler Hose	1
8	3401583	¼-20 x ⅝" Carriage Bolts	6		3401602	12" Cable Tie	6

OVERVIEW:

Thank you for purchasing **B&M 70301 Power Steering Cooler**. This kit works on both automatic and manual transmissions, even though tubing layout may vary slightly from model to model. Be sure to acquire your vehicles factory recommended power steering fluid in the event of spills or leaked fluid during install process.

B&M also offers the following related product:



Wrangler JK AT Cooler (70291): This product can be installed alongside your Power Steering Cooler to further safeguard against overheating.



1. Please take a moment to read and understand these instructions before installing your purchased performance kit. Use the parts drawing and list to verify kit contents.

PREPARE VEHICLE FOR YOUR B&M POWER STEERING COOLER INSTALL:

WARNING:

Avoid serious burns! Allow vehicle time to cool completely before handling any of the stock engine components.



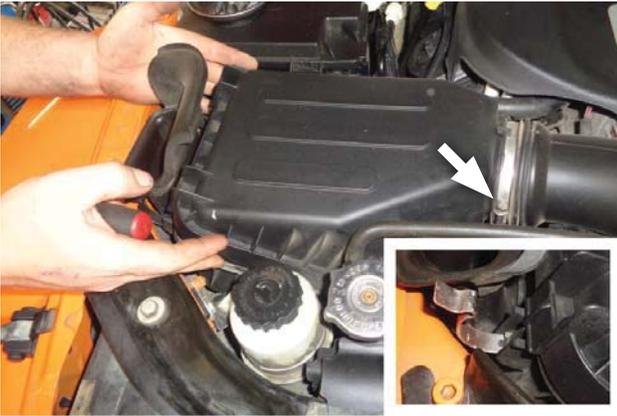
2. Unplug turn signals (x2) by sliding back tab, depressing lever and pulling out connector.



3. Remove push pins (x6) holding grill cover to vehicle frame. Retain pins for later use.



4. Pull straight out along bottom of grill cover to unclip it, then remove it completely from vehicle. Retain for later use.

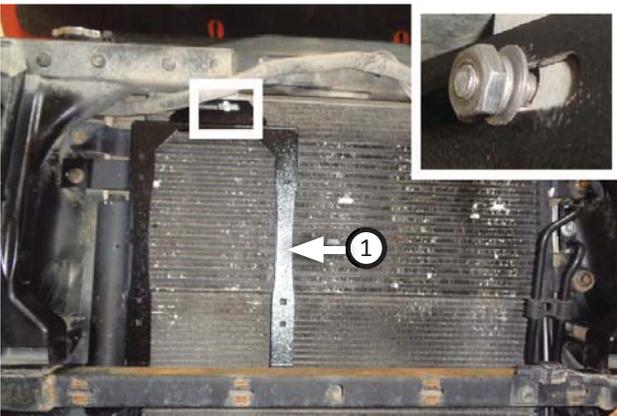


- Loosen screw clamp holding intake tube to airbox then unclip airbox cover from base and remove from vehicle. Retain for later use.

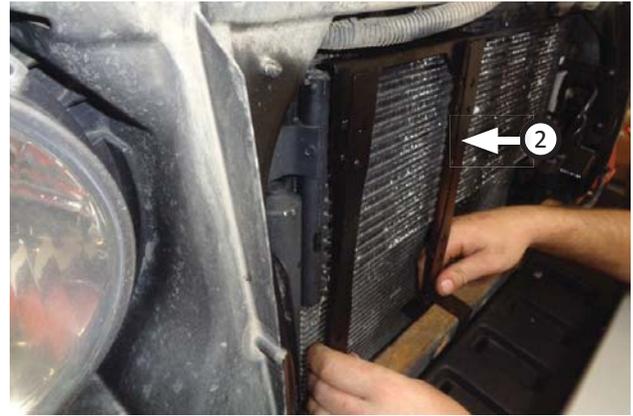


- Pull up sharply on airbox base to release it from grommets. Remove and retain it for later use.

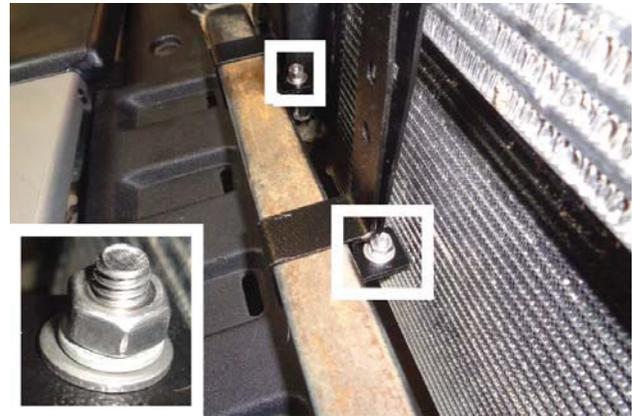
INSTALL YOUR B&M POWER STEERING COOLER:



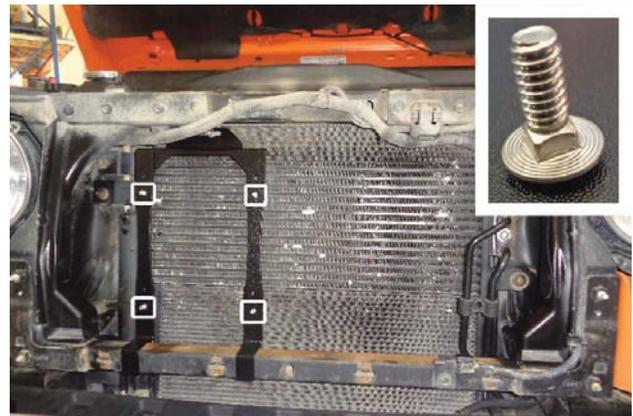
- Attach **rear mounting bracket (1)** to core support using the following fastener assemblies: **10-32 x 1/2" screw (4)**, **10-32 flat washer (5)**, **10-32 lock washer (6)** and **10-32 nut (7)**. Hand-tighten just enough to allow for later alignment.



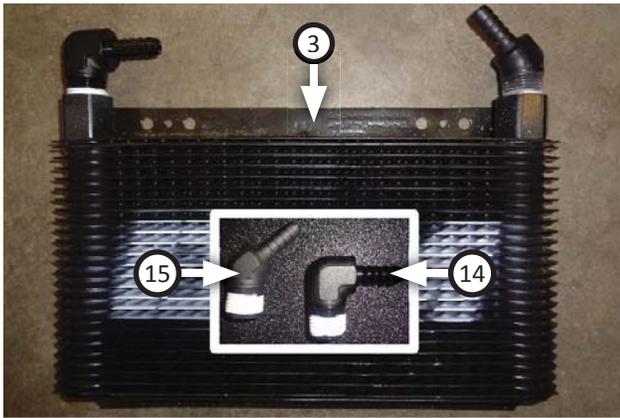
- Attach **front mounting brackets (x2) (2)** to frame so they are aligned to rear mounting bracket.



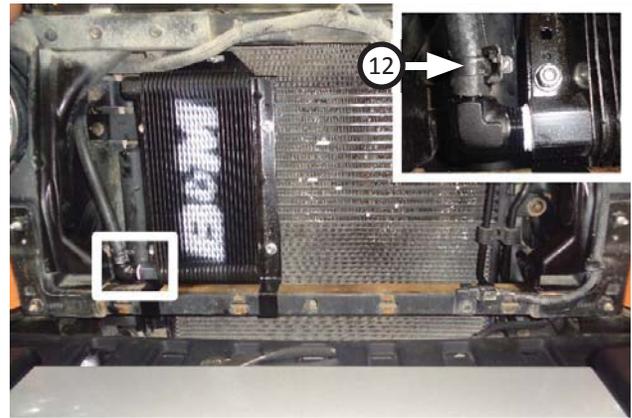
- Assemble front to rear mounting brackets using the following fastener assemblies: **1/4-20 x 5/8" carriage bolts (8)**, **1/4" flat washers (9)**, **1/4" split lock washers (10)**, and **1/4-20" nuts (11)**. Hand-tighten to allow for later alignment.



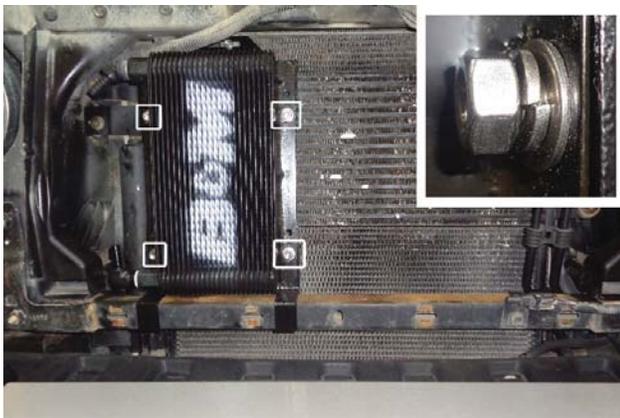
- Place **carriage bolts (x4) (8)** facing outward to hold frames together.



11. Apply two wraps of teflon tape to $\frac{1}{2}$ NPT x $\frac{3}{8}$ " 90° barb (14) and $\frac{1}{2}$ NPT x $\frac{3}{8}$ " 45° barb (15) threads then install them on super cooler (3) as shown.



14. Place $\frac{3}{8}$ " pinch clamp (12) onto transmission hose then seat hose fully onto 90° barb. Move pinch clamp into position over connection.



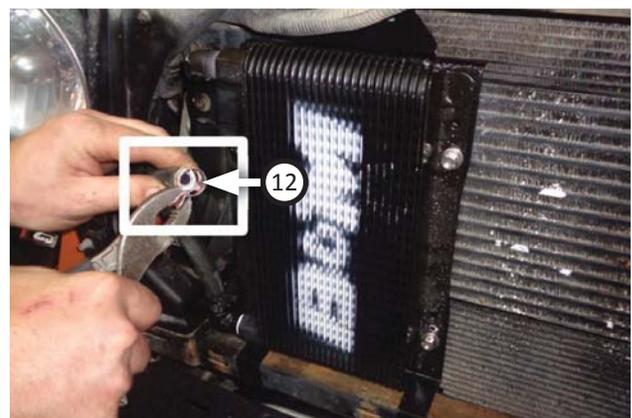
12. Place super cooler onto protruding carriage bolts (8) then fasten it using flat washers (9), split lock washers (10) and nuts (11). Hand-tighten to allow for later adjustment.



15. Route and trim transmission hose to length to reach power steering port without creating kinks or sharp bends in hose. Retain remaining hose. Do not disconnect factory hose at this time.



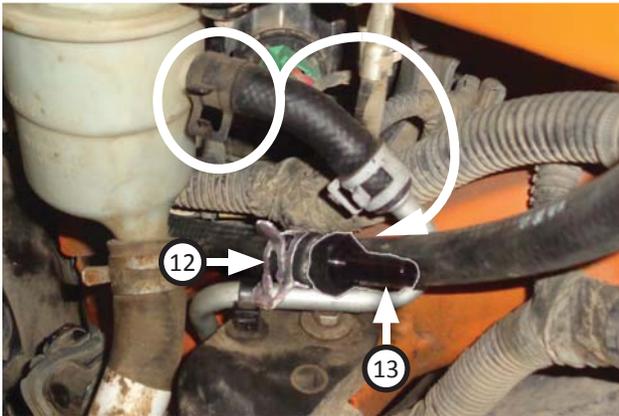
13. Feed $\frac{3}{8}$ " transmission cooler hose (16) through corner of radiator frame into airbox holding space. If necessary, trim rubber airdam in top corner to make room for cooler hose.



16. Feed remaining transmission hose back through corner of radiator frame to super cooler. Place pinch clamp (12) onto hose.



17. Seat transmission hose fully onto 45° barb then move pinch clamp into position over connection.



18. In airbox compartment, trim transmission hose (from step 16) to reach PS factory hose then install **pinch clamp (12)**. Fit $\frac{3}{8}$ x $\frac{3}{8}$ " **straight barb (13)** to hose and move pinch clamp over connection.

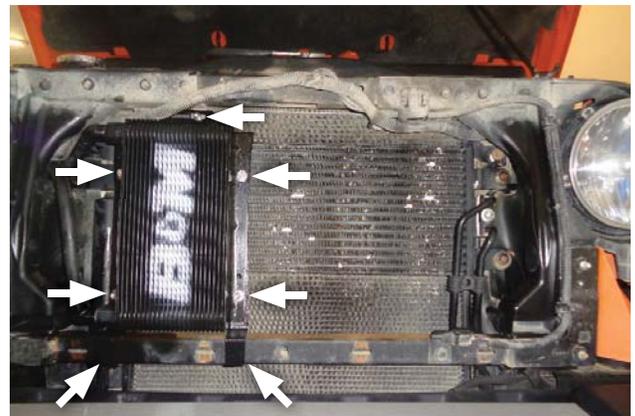
ATTENTION:
Read to understand the next three steps fully in conjunction so they can be completed efficiently to prevent excessive power steering fluid loss.



19. Place **pinch clamp (12)** onto transmission hose (from step 15). Pull and lift factory hose from PS port and replace it with transmission hose.



20. Connect factory hose to straight barb. Move pinch clamps (x2) into position over connections.



NOTE: If you are installing B&M AT Cooler, align super cooler close to passenger side of grill.

21. Tighten fasteners securing super cooler to vehicle. Correct any kinks or sharp bends in hoses then secure them with **12" cable ties** as necessary.



22. Re-install airbox base (removed step 6).



23. Re-install airbox cover (removed step 5) and secure it to base using latches. Tighten screw clamp holding resonator assembly to airbox.



24. Place grill cover (removed step 4) back in place then push along lower section to clip it into position. Re-install push pins (x6) (removed step 3) along top of grill cover.



25. Plug turn signals (x2) (unplugged step 2) back in.



Congratulations, the installation of your B&M Racing Power Steering Cooler is now complete!

NOTE: B&M Racing maintain a highly trained technical service department to answer your technical questions, provide additional product information and offer various recommendations.

Technical Service: (707) 544-4761
Monday – Friday: 7:30 am to 5:00 pm Pacific Time
(Closed Saturday and Sunday)

MAIN OFFICE:
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