

**READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.
CALL TOTAL CONTROL PRODUCTS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.**

INSTALLATION GUIDE



TCP PBS-UNIV Pump Bracket Set Universal



DESCRIPTION:

Pump bracket set universal - includes; 6x6 square billet aluminum bracket with pump mounting holes, spacer & hardware. Attaches power steering pump to applications on which a direct bolt-on bracket is not available.
Customer must machine to fit.

PARTS LIST

TCP PBS-UNIV - Power Steering Pump Bracket Set - Universal

Qty	Part Number	Description
1	7900-150	Mounting Bracket Universal, 6 x 6
1	7918-012	Spacer Set Ford Power Steering Pump Bracket

7918-068 - Hardware Bag

Qty	Part Number	Description
2	3100-031C2.75Y	Bolt 5/16-18 x 2-3/4" Hex Head Cap Screw
2	3100-031C3.50Y	Bolt 5/16-18 x 3-1/2" Hex Head Cap Screw
1	3119-031-18C	Flange Nut 5/16-18
2	3120-031S-Y	Washer 5/16 Flat SAE .345 x .690 x .060 Thick

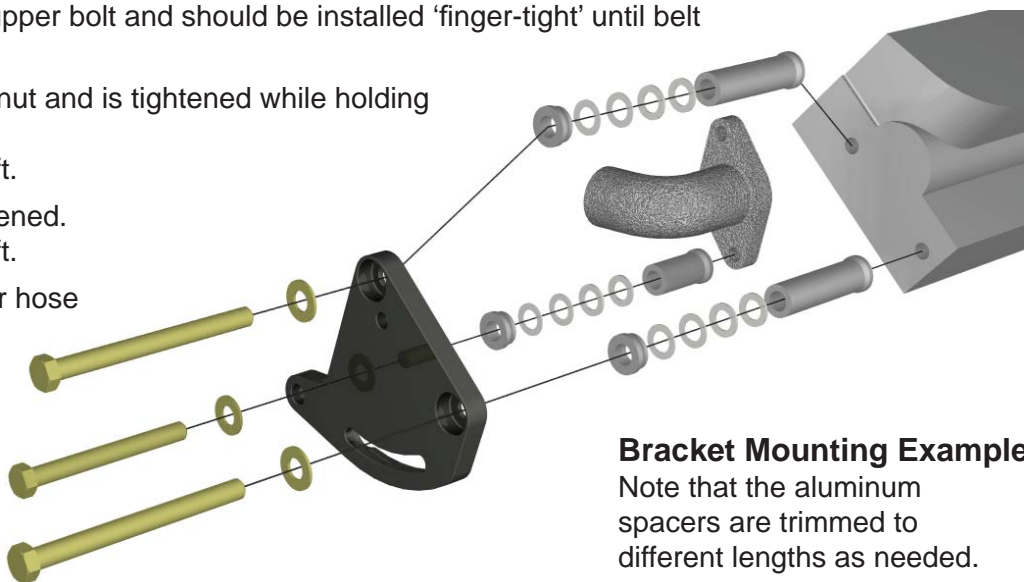
7918-012 - Hardware Bag, Spacer Set

6	3109-044S1-S	Aircraft Washer 7/16 Flat .453 x .750 x .032 Thick
6	3109-044S2-S	Aircraft Washer 7/16 Flat .453 x .750 x .063 Thick
3	7900-170-0370	Spacer .453 ID x .370 Long x .75 OD with .850 Shoulder
3	7900-170-2910	Spacer .453 ID x 2.910 Long x .75 OD with .850 Shoulder

INFORMATION

- We recommend securing the bracket to vehicle with a minimum of three mounting bolts.
- Determine a bolt pattern based upon available mounting locations.
- Check for adequate pump and hose clearance when choosing a location.
- Some bolts may need to be positioned underneath the mounting surface of the pump. A counter bore is required in these situations. Counter bore depth should not exceed .375"

1. Spacers will need to be modified to fit your particular application.
 - a) Use a straight edge along face of pulleys to measure correct amount to shorten spacers.
2. Shims are included for use between aluminum spacers as required.
3. Bracket must be oriented so that opening for flange nut is on opposite side of bracket from pump.
 - a) Flanged end of nut will be closest to pump.
 - b) Refer to illustration to right.
4. Orient slot so that pump can be rotated away from driving pulley to allow greatest range of adjustment.
5. The pump will pivot on the upper bolt and should be installed 'finger-tight' until belt has been tensioned.
6. Lower bolt goes into flange nut and is tightened while holding tension on belt.
 - a) Torque bolt to 12-18 lb. ft.
7. Upper bolt can now be tightened.
 - a) Torque bolt to 12-18 lb. ft.
8. See Hose Kit instructions for hose assembly, routing and hook-up.

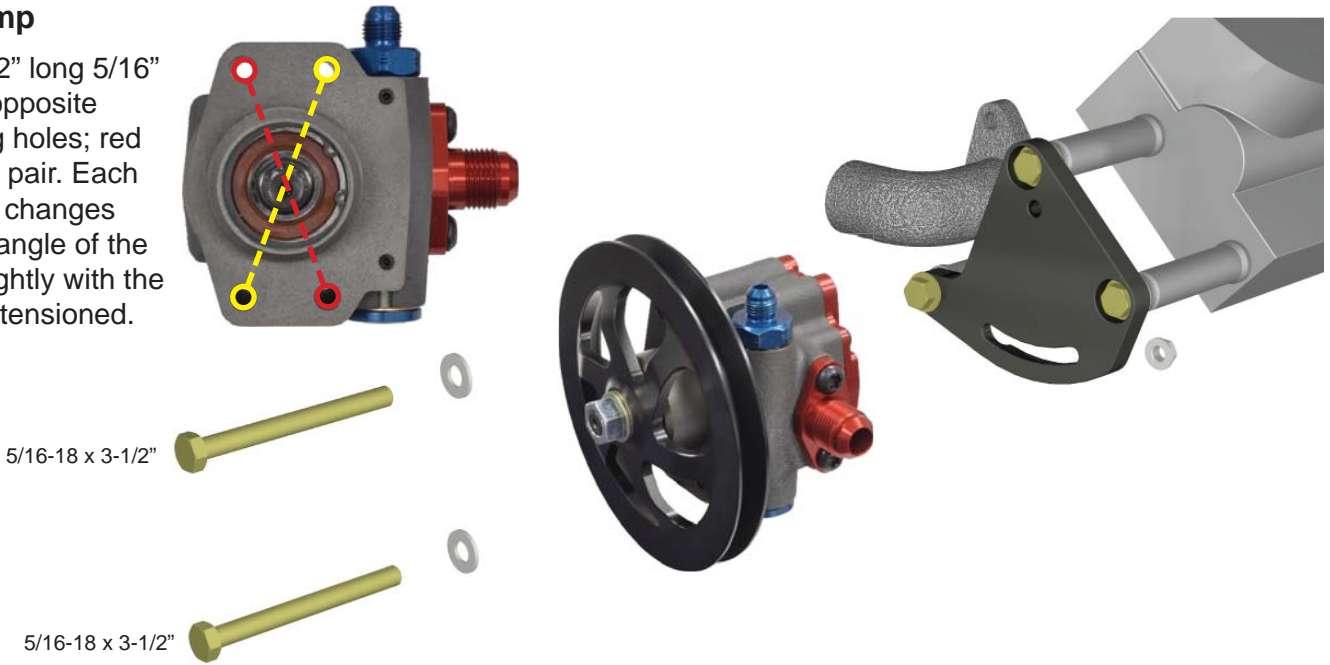


Bracket Mounting Example

Note that the aluminum spacers are trimmed to different lengths as needed.

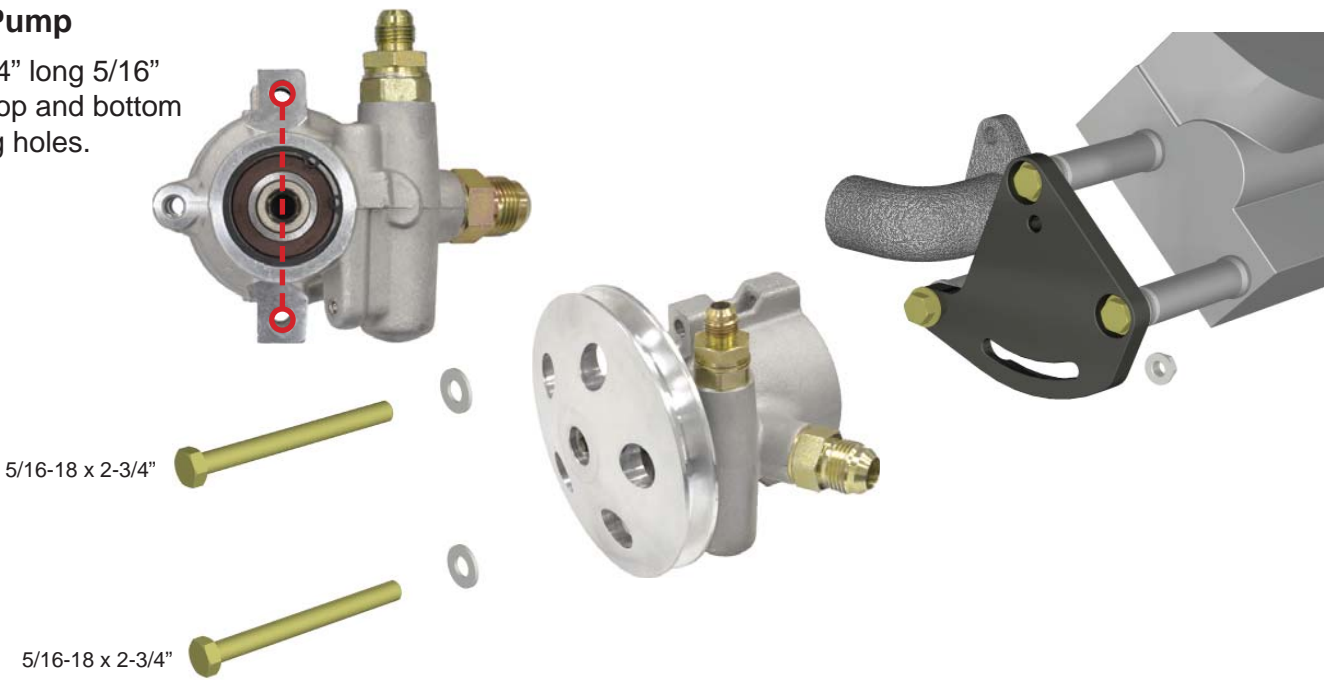
Pro Pump

Use 3-1/2" long 5/16" bolts at opposite mounting holes; red or yellow pair. Each hole pair changes the final angle of the pump slightly with the belt fully tensioned.



Street Pump

Use 2-3/4" long 5/16" bolts at top and bottom mounting holes.



WARRANTY NOTICE:

There are NO WARRANTIES, either expressed or implied. Neither the seller nor manufacturer will be liable for any loss, damage or injury, direct or indirect, arising from the use or inability to determine the appropriate use of any products. Before any attempt at installation, all drawings and/or instruction sheets should be completely reviewed to determine the suitability of the product for its intended use. In this connection, the user assumes all responsibility and risk. We reserve the right to change specification without notice. Further, Chris Alston's Chassisworks, Inc., makes **NO GUARANTEE** in reference to any specific class legality of any component. **ALL PRODUCTS ARE INTENDED FOR RACING AND OFF-ROAD USE AND MAY NOT BE LEGALLY USED ON THE HIGHWAY.** The products offered for sale are true race-car components and, in all cases, require some fabrication skill. **NO PRODUCT OR SERVICE IS DESIGNED OR INTENDED TO PREVENT INJURY OR DEATH.**

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