

INSTALLATION INSTRUCTIONS

DRAG SPECIALTIES STEERING DAMPER KIT P/N 0414-0527/0528

ATTENTION INSTALLER (if other than owner): Please forward this instruction sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

INTRODUCTION: These instructions describe the procedure for properly installing the Steering Damper Kit on 2006-2017 Dyna models. Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations:

NOTE: A **NOTE** provides key information to make procedures easier or clearer.

CAUTION: (Shaded) A **CAUTION** indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

WARNING!: (boxed and shaded) A **WARNING!** indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

PROCEDURE:

NOTE: Read all instructions before use.

CAUTION: After installation, check to see if all the parts are correctly installed, and see that all the screws are torqued properly.

WARNING!: Periodical inspection of the installed parts is required every 300 miles. If anything unusual is discovered while riding, pull over at a safe place to check.

1. Turn the damper adjusting knob counter-clockwise all the way before placing the steering damper body in place. See **FIGURE 1**. This will reduce the resistance to movement of the damper assembly during assembly. Set the damper aside for now.

FIG. 1



2. Place the front fork bracket (#5) on the right side under the triple tree as per the diagram in **FIGURE 2**. Use the two M6x25 cap screws (#6) to attach the two halves of the bracket together. Torque the two screws to 7 ft.-lbs.

6. M6x25 CAP SCREW

FIG. 2

5. FRONT FORK BRACKET

NOTE: Make sure to align the bracket to match the drawings in **FIGURES 3 & 4**.

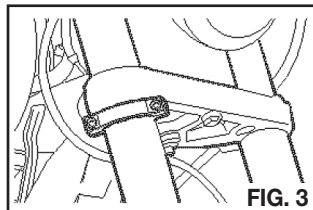


FIG. 3

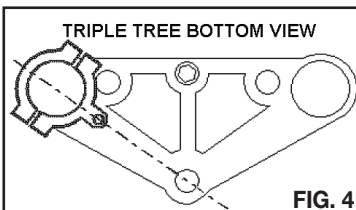
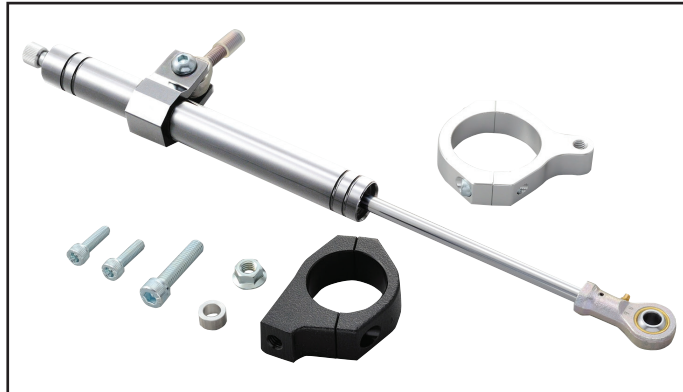
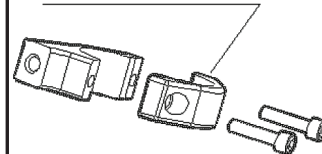


FIG. 4



3. Install the frame bracket (#2) onto the right side frame down tube as shown in **FIGURE 5**. Secure the two halves of the frame bracket with the two M6x20 cap screws (#3). Torque the screws to 7 ft.-lbs.

2. FRAME BRACKET



3. M6x20 CAP SCREW

FIG. 5

CAUTION: Check the clearance between the frame bracket and exhaust pipe and cylinder head. The Dyna engine features rubber mounts which allow the engine to move while running. Please allow clearance for this movement, and adjust as necessary.

4. Install the M8 Flange Nut (#4) onto the Rod End (#9), finger tight only.
5. **SEE FIGURE 6.** Thread the rod end (#9) into the frame bracket all the way, and then back it back out ½ to 1 turns, making sure the lubricator nipple faces toward the front of the motorcycle. Spin the M8 flange nut (#4) down just finger tight for now.

4. M8 FLANGE NUT

9. ROD END

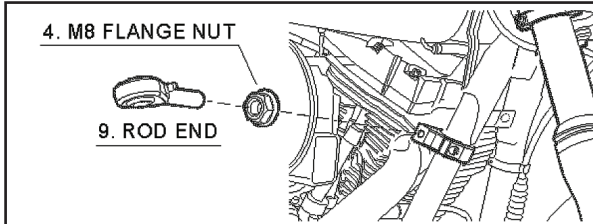


FIG. 6

6. Obtain the damper assembly (#1) and align the rod end on the damper so that the lubricator nipple is facing inward when installed. See **FIGURE 7**.

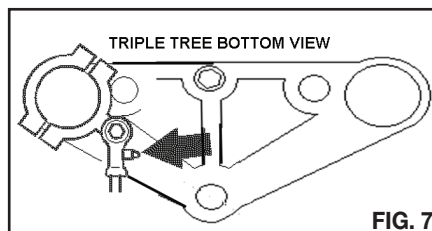


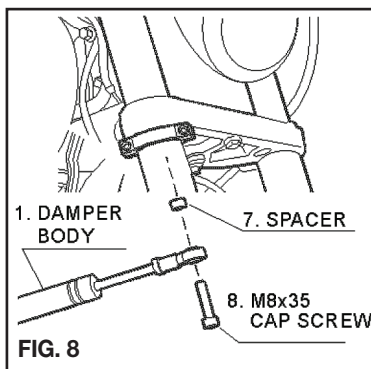
FIG. 7



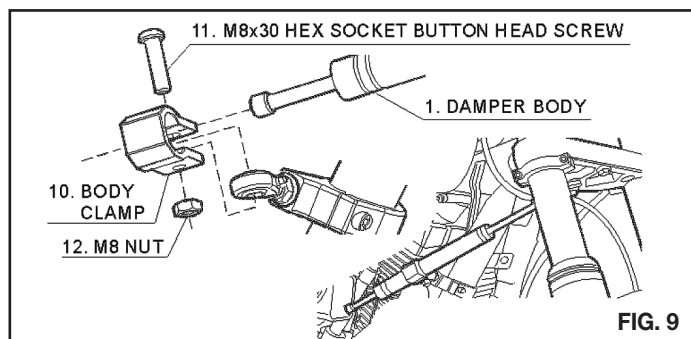
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DRAG SPECIALTIES STEERING DAMPER KIT P/N 0414-0527/0528 (CONT)

7. Insert the M8x35 cap screw (#8) through the rod end on the damper and then install the spacer (#7) onto the cap screw as shown in **FIGURE 8**. Tighten screw into the front fork bracket and torque to 16 ft.-lbs.

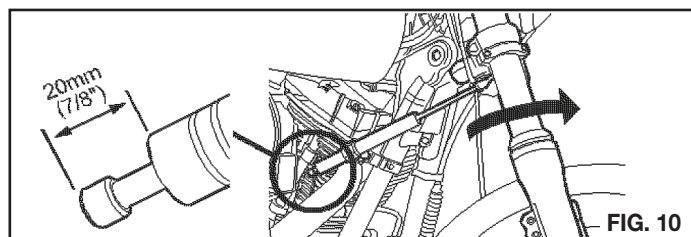


8. Take the body clamp (#10) and slide it onto the steering damper body (#1). Attach the body clamp (#10) onto the frame bracket (#2) as per the illustration in **FIGURE 9**.



NOTE: Do not tighten the M8x30 hex socket button head screw (#11) at this time. It should be finger-tight so that the steering damper body can slide in the body clamp.

9. To adjust the steering damper location, slowly turn the steering to the left end, and then slide the steering damper body (#1) in the body clamp (#10) so that the distance between the end of the knob and the damper tube face becomes approx. $\frac{7}{8}$ " , see **FIGURE 10**. To lock the steering damper body in place, torque the M8 nut (#12) at 16 ft.-lbs.

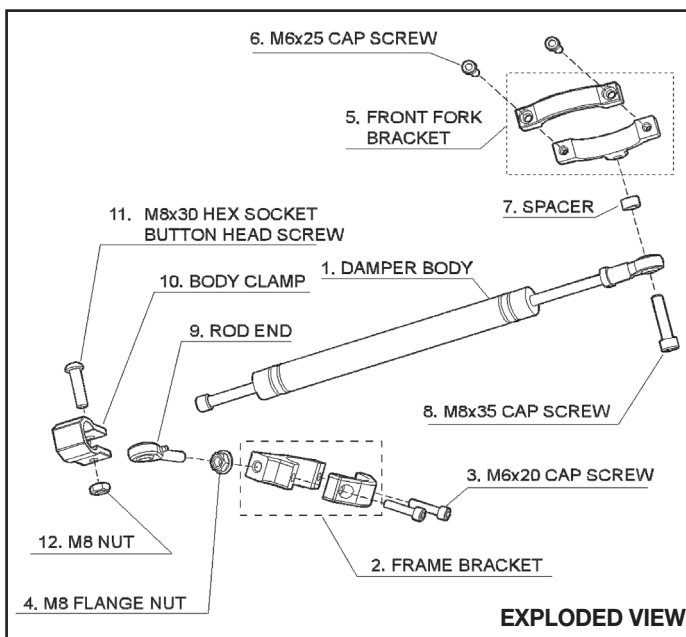
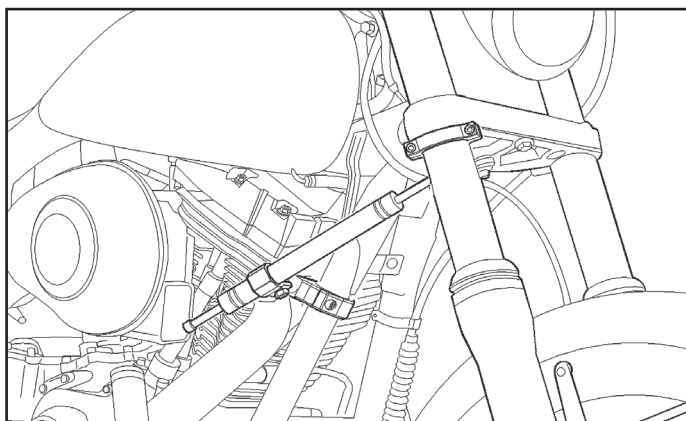


10. On the rod end (9), torque the M8 flange nut (#4) at 16 ft.-lbs.

CAUTION: Be sure the outer race of the rod end (#9) must NOT touch the body clamp (#10) at any steering angle. Otherwise the steering damper and/or the brackets may be damaged. Before riding, be sure the steering is turned to the right and the left without any interference or binding; the damper body must be free to move on the rod ends throughout the travel of the damper.

11. Adjust the damper to the required resistance with the adjustable knob.

WARNING!: Before operating motorcycle, be sure all hardware is tight.



STEERING DAMPER COMPONENTS

ITEM #	DESCRIPTION	QUANTITY
1	Damper body	1
2	Frame bracket (2 pieces)	1
3	M6x20 cap screw	2
4	M8 flange nut	1
5	Front fork bracket (2 pieces)	1
6	M6x25 cap screw	2
7	Spacer	1
8	M8x35 cap screw	1
9	Rod end	1
10	Body clamp	1
11	M8x30 hex socket button head screw	1
12	M8 nut	1

