

Top Gun KLR-650 Chain Master (Patent Pending) Installation Instructions

This product was engineered using a stock KLR-650 with a properly adjusted chain.

Parts List:

- 1 Chain Master assembly
- 1 8x33 mm bolt
- 1 6x20 mm bolt

Tools Required:

- 3/8" drive Ratchet or T-handle, with extension
- 10 mm and 12 mm socket
- 6 mm Allen socket
- #3 Phillips screwdriver
- 3/8" drive torque wrench

*Recommended: Apply intermediate loctite to both the 8x33mm bolt and 6x20mm bolt immediately prior to installation.

Install on left side of frame replacing existing fasteners. Refer to figures 1 and 2:

1. Remove bolt at "A" and screw at "B" (Figure 1).
2. Place 6 x 20 mm flange bolt through hole "B" on the Chain Master. Place the two 6mm washers on the bolt as depicted in Figure 2. Hold the bracket in position and rotate the bolt several turns to engage threads.
3. Place 8x33mm flange bolt through hole "A" on the Chain Master. Upward pressure on the subframe may be required for alignment. Rotate the bolt several turns to engage threads.
4. Hold Chain Master in place against frame and lightly tighten both bolts. Torque 8x33mm bolt to 18 ft-lbs. Torque the 6x20mm bolt to 7.5 ft-lbs. Your chain will now be smiling in appreciation.
5. The battery vent tube bracket (located directly above chain wheel) may need to be bent slightly inward & upward to ensure the vent tube clears the chain wheel.

** Some late-model KLR's (Thai built) may require loosening or removing the right side subframe bolt (same location as bolt "A") to gain proper alignment due to poor factory subframe fitment. In extreme cases, the upper subframe bolts may need to be loosened as well. (Never remove both of these bolts at same time!) Ensure proper torque when retightening.

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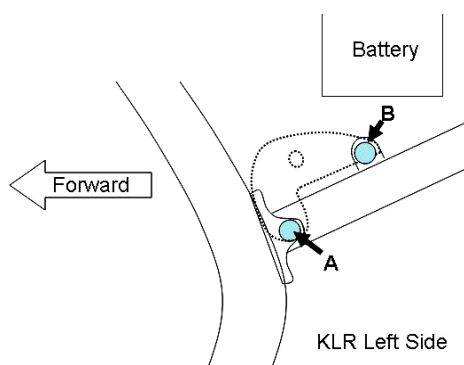


Figure 1

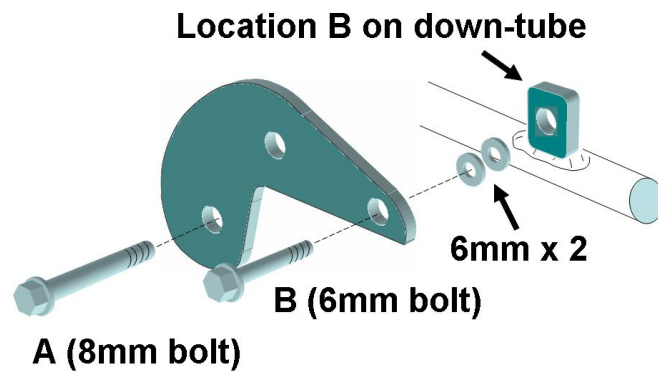


Figure 2