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**INSTALLATION INSTRUCTIONS FOR ALL TOMAHAWK HIGHWAY BARS
98-03 INDIAN MOTORCYCLES**

All equipment installations should be performed by certified Indian Technicians.

- 1) tools needed for install: 9/16 combo wrench, 9/16 3/8 drive shallow 12 point socket, 4 or 6 inch 3/8 extension, 3/8 universal drive, (02 chiefs) 5/32 or 3/16 allen wrench, 1/2 shallow socket 3/8 drive 12 point, 1/4 allen wrench. Loctite # 242 and a SAE torque specifications sheet.
- 2) remove the 2 forward engine mounting bolt nuts. (2002 chiefs you will first need to remove the motor tag plate).
- 3) remove horn from mount (99-01 model chiefs skip this step) and either disconnect and remove or tie up away from install area.
- 4) Install bar onto forward engine mount bolts by sliding from underside of chassis and then moving up onto engine bolts, **MAKE SURE ALL WIRES AND ELECTRICAL CONECTIONS ARE EITHER RE ROUTED OR REMOVED TO INSURE NO DAMAGE IS CAUSED, CLUTCH CABLE MAY ALSO NEED TO BE REROUTED** (2002 chiefs will require the removal of the electrical plug fastener pin on the underside of the motor mount crossbar). Use loctite on nuts previously removed and reinstall them onto engine bolts.(Before torquing fasteners determine black powder coated split collar mounting position required for scout and spirit model bikes only).
- 5) After bar is installed onto lower engine bolts and the fasteners are torqued correctly, install fastener provided for the upper mount (99-01 model chiefs will require intermediate mount kit for install.) Also make sure to use rubber fiber reinforced washer between bar mount tab and chassis mount point on all models. (99-01 chiefs fasten to factory chassis down tube strap, 2002 chief models fasten to horn mount, you must use fasteners provided 5/16-18 alloy stud and 5/16-18 zinc coupling nut). Loctite all fasteners prior to installation. Horns maybe reinstalled onto upper chassis mount coupling nut or to split collar depending on model, wire extensions maybe necessary.