



2009 - 2012 Indian Motorcycle Service Manual

**Chief Classic • Chief Dark Horse • Chief Bomber
Chief Roadmaster • Chief Vintage • Chief Blackhawk Dark**



**2009-2012 Indian Motorcycle
PN 9923695**



2009-2012

INDIAN MOTORCYCLE

**CHIEF CLASSIC • CHIEF DARK HORSE • CHIEF BOMBER
CHIEF ROADMASTER • CHIEF VINTAGE • CHIEF BLACKHAWK DARK**

FOREWORD

The information printed within this publication includes the latest product information at the time of print. The most recent version of this Service Manual is available to Indian Dealers in electronic format at www.polarisdealers.com.

This manual is designed primarily for use by trained Indian service technicians in a properly equipped shop and should be kept available for reference in the shop area. All references to left and right side of the vehicle are from the operator's perspective when seated in a normal riding position.

Some procedures outlined in this manual require a sound knowledge of mechanical theory, tool use, and shop procedures in order to perform the work safely and correctly. Read the text and be familiar with the service procedures before starting the work. Certain procedures will require the use of special tools. Use only the proper tools as specified. If you have any doubt as to your ability to perform any of the procedures outlined in this service manual, contact an authorized Indian dealer for service.

Comments or suggestions about this manual should be submitted via Ask Polaris. Consumers can direct comments or suggestions to: Service Publications Department, Polaris Sales Inc., 2100 Hwy 55, Medina, Minnesota 55340.

Publication Printed November 2011 (PN 9923695)

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SPECIFICATIONS / GAUGES

GENERAL INFORMATION

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SERVICE RULES

In order to perform service work efficiently and prevent costly errors, technicians should read the text in this manual and familiarize themselves with the procedures before beginning. Notes, Cautions and Warnings have been included for clarification of text and safety concerns. Knowledge of mechanical theory, tool use and shop procedures are necessary to perform some procedures in this manual safely and correctly.

Use only genuine Indian Motorcycle service parts, including fasteners that require replacement if removed. Do NOT substitute fasteners or hardware.

Cleanliness of parts and tools as well as the work area is of primary importance. Dirt and foreign matter will cause damage to precision parts. Clean the motorcycle before beginning service. Clean all parts before installing.

If difficulty is encountered in removing or installing a component, look to see if a cause for the difficulty can be found. If it is necessary to tap the part into place, use a soft face hammer and tap lightly.

Always follow torque specifications as outlined throughout this manual. Incorrect torquing may lead to serious machine damage or in the case of steering, driveline, and chassis components, can result in loss of control during operation of the motorcycle, which may result in severe personal injury or death.

If a torquing sequence is indicated for nuts, bolts or screws of a certain component, start all fasteners and hand tighten. Following the method and sequence indicated, tighten evenly to the specified torque value. When removing nuts, bolts or screws from a component with several fasteners, loosen them all about 1/4 turn before removing them to prevent distortion of that component.

Replace all oil seals, sealing washers, gaskets, and o-rings with new ones during assembly. Be sure the mating surfaces for the gasket are clean and smooth to avoid leaks and maintain specified tolerances.

Some procedures require removal of retaining rings or clips. Removal can weaken and deform these parts, therefore, they should always be replaced with new parts. When installing new retaining rings and clips, use care not to expand or compress them beyond what is required for installation.

Some service procedures in this manual may call for lubricants and greases have been specially formulated for use with Indian motorcycles. In some applications, warranty coverage may be void if these specially formulated lubricants are not used.

Parts requiring grease should be cleaned thoroughly and fresh grease applied before reassembly. Deteriorating grease loses lubricity and may contain abrasive foreign matter. Always replace locking hardware such as lock nuts or lock washers, fasteners that have pre-applied locking agent, or any other fasteners as noted in this service manual with genuine Indian Motorcycle hardware from an authorized Indian Motorcycle dealer.

Working with batteries can be hazardous. Review all battery warnings and cautions.

