



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Kawasaki Supercharger Pulley Kit

RK17130-SPK-101



Applications:

2014+ Ultra 310

Approximate Installation Time:

3.0 hours

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Prior to installation, go to the RIVA Racing online Instruction Library to download the latest version of these instructions:

<https://rivaracing.com/instructions>

Recommended Specialty Tools:

Spring Clamp Holder

Stubby 5mm Allen Wrench (short)

Part

N/A

N/A

Required Materials:

Red Loctite

Blue Loctite

Part

N/A

N/A

Your kit was inspected and verified before being carefully packaged by our staff. Please check package contents before beginning assembly. If you have a question about missing or damaged items please contact RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivaracing.com.

We strongly recommend the use of a service manual to familiarize yourself with the various components and procedures involved with this installation. Please note that some of the original hardware removed in the disassembly process will be used in the installation process. These instructions have been written in step-by-step format and refer to illustrations. Read through instructions entirely before performing installation. Please follow these step-by-step instructions and illustrations carefully.

***** ALLOW ENGINE TO COOL COMPLETELY BEFORE PERFORMING INSTALLATION *****

***** NO SMOKING *** NO SMOKING *** NO SMOKING *****

Caution: Whenever using electric or battery operated tools inside the hull be sure it is well ventilated and no fumes are present. Failure to do so could result in a fire, or explosion and serious personal injury or death.

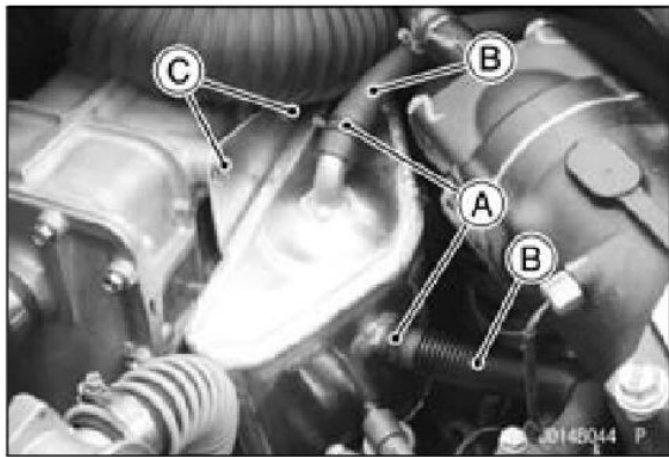
This kit is not intended for use on pollution controlled vehicles. Installation on pollution controlled vehicles may constitute a violation of state or local statutes.

- INSTALLATION INSTRUCTIONS -

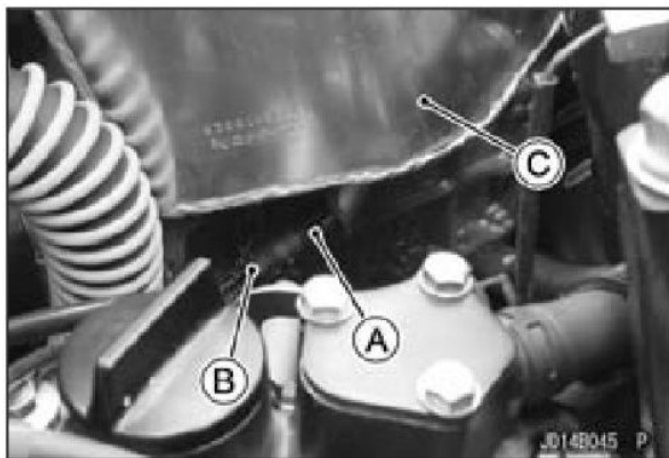
Remove engine cover (6 nuts & washers).



Disconnect hoses (B) from top and side of oil separator tank.

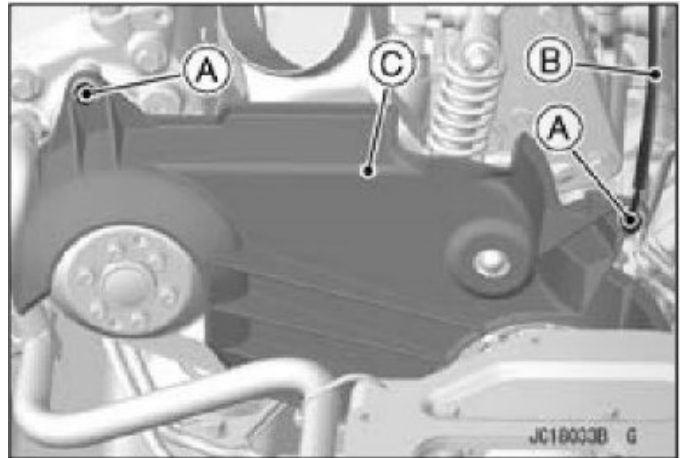


Remove bolts (C) securing oil separator tank to intercooler.



Raise oil separator tank (C) to access and disconnect hose (B) at bottom. **NOTE: Place a rag under hose to collect excess oil residue.**

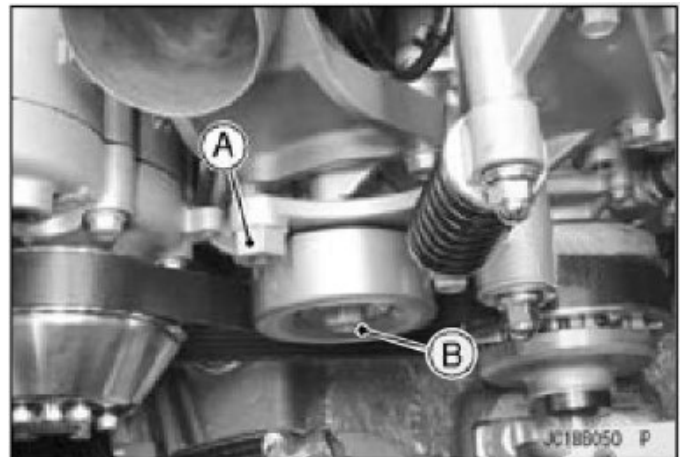
Remove bolts (A) and then remove supercharger belt cover. (C)



STOCK PULLEY REMOVAL

Using a stubby 5mm allen wrench, loosen bolts (6) securing supercharger pulley to supercharger hub.

Using supplied modified socket, rotate idler pulley tensioner bracket (A) to relieve belt tension. Remove belt and inspect carefully. **If there are any signs of wear or damage replace belt.**



Using supplied modified socket again, secure idler pulley tensioner bracket (A) and then remove bolt (B) securing idler pulley to bracket.

Remove idler pulley and discard.

Remove supercharger pulley. **NOTE: If pulley cannot be removed easily it may be necessary to apply penetrating oil due to corrosion. Do not attempt to pry (use excessive force) to remove pulley. Apply penetrating oil where hub is exposed at center of pulley and through open bolt holes. Allow to soak overnight. Repeat process as needed until you are able to remove pulley by hand.**

- INSTALLATION INSTRUCTIONS -

RIVA PULLEY INSTALLATION

Thoroughly clean supercharger hub where new supercharger pulley will be mounted.

Apply a thin film of grease to back side of supplied supercharger pulley where it mounts to supercharger hub. Secure pulley to supercharger using supplied hardware.

NOTE: Apply red Loctite to supplied bolts and hand tighten. Do not torque bolts at this time.

Install supplied idler pulley (RIVA logo facing rear of craft).
NOTE: Apply red Loctite to bolt. Torque bolt to 33 ft•lb (44.74 N•m).

Replace belt. **NOTE: Ensure belt is properly seated and aligned with grooves on supercharger pulley and engine coupler/pulley.**

Torque supercharger pulley bolts (6) to **106 in•lb (12 N•m).**

Replace supercharger belt cover. **NOTE: Apply blue Loctite to bolts. Torque bolts to 43 in•lb (4.9 N•m).**

Replace oil separator tank. **NOTE: Ensure lower hose and fitting are free of oil residue. Apply blue Loctite to bolts. Torque bolts to 78 in•lb (8.8 N•m).**

Check bilge for rags, tools etc.

Run craft on a flush hose to check for proper operation.

Replace engine cover. **NOTE: Apply blue Loctite to threads in OEM cap nuts. Torque cap nuts to 78 in•lb (8.8 N•m).**

***Remember, the water belongs to everyone.
Please ride responsibly and respect the environment!***

Technical Support

For answers to questions regarding installation or trouble shooting RIVA Performance Products contact:

RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivaracing.com.

Limited Warranty

RIVA Supercharger Pulley Kts carry a 90-day limited warranty to the original purchaser. They are warranted to be free of defects in materials and workmanship under normal use and service. Customer modified components will be void of warranty. This warranty is limited to defects in the primary components only. Finish and/or wear marks in or on primary components are not covered under this warranty.

RIVA Racing's liability is expressly limited to the repair or replacement of the components contained within or associated with this kit. RIVA Racing agrees to repair or at RIVA's option, replace any defective unit without charge, if product is returned to RIVA Racing freight prepaid within the warranty period. Any equipment returned which, in RIVA's opinion, has been subjected to misuse, abuse, overheating or accident shall not be covered by this warranty.

RIVA Racing shall have no liability for special, incidental or consequential damages or injury to persons or property from any cause arising from the sale, installation or use of this product.

No other warranty, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose, applies. Various states do not allow for the limitation of incidental or consequential damages and therefore the above exclusion or limitation may not apply to you.

Warranty does not include the expenses related to freight or transportation of parts or compensation for any inconvenience or loss of use while being repaired. A copy of the original invoice and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.