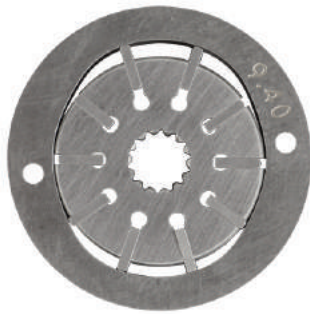# POWER FLOW REBUILD KIT
(304695-KIT)

KIT CONTENTS

TRAIL-GEAR INC

RECOMMENDED TOOLS

Dead Blow Hammer

Large flathead screwdriver

Small flathead screwdriver

Snap ring pliers

Vice

Degreaser or cleaner (e.g. Brake Cleaner)

Clean Rags

CAUTION

1. Read all instructions completely and carefully before you begin. If anything is not clear, please call our tech support line at 1.877.4X4.TOYS or 559.252.4950 or email tech@trail-gear.com before proceeding.

2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents Section on the first page of these instructions). If anything is missing, please contact Trail-Gear at 1.877.4X4.TOYS or 559.252.4950 or email tech@trail-gear.com.

3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.

4. This kit is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this kit.

5. This installation is typical for most Suzuki Jimny vehicles. Some years or models may vary. If necessary, refer to the proper Factory Service Manual for the year and model of your Jimny.

STEP 1

Rotate rear cover snap ring so that it lines up with the hole in the pump body.

STEP 2

Using a small punch or screwdriver and hammer punch the rear cover snap ring until the end pops out of its retaining groove.

STEP 3

Use a small screwdriver to gently pry the ring completely out.

STEP 4

Remove rear cover snap ring.

STEP 5

Lightly tap input shaft with dead blow hammer.

STEP 6

Step 5 will slightly push out the rear cover of the pump. A slight tap against the work bench may be required to completely free the rear cover. Warning: some small internal components of the pump may fall out at this time.

STEP 8

Remove snap ring. Snap ring pliers can be used, however we used a large flathead screwdriver and dead blow hammer to push on the open end of the ring and a small screw driver to pry the ring out as shown in the photo. Be careful not to deform the snap ring too much. Slight deformation can be corrected with pliers. Once snap ring is off, slide pump shaft out of pump body.

STEP 7

Remove ring and note orientation.

STEP 9

Remove pump rotor and vanes.

STEP 10

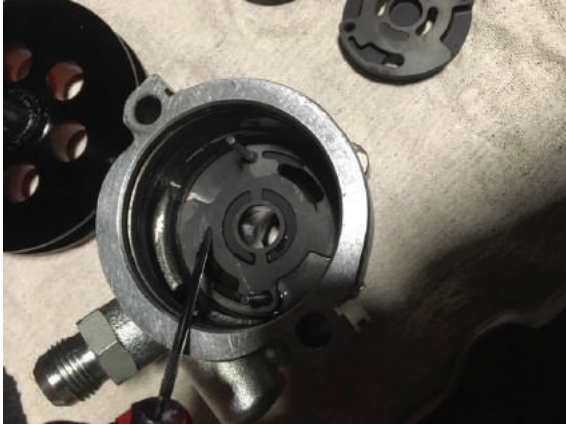Remove pressure plate and pins if they did not already fall out. Note orientation of pressure plate.
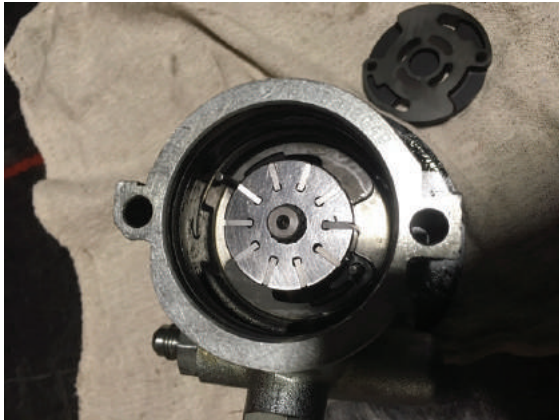
STEP 11

Now to begin the install. You may want to lightly coat all new components with the power steering fluid you intend to use on the vehicle. Install new pressure plate and pins.

STEP 12

Slide input shaft into pump body.

STEP 13

Install rotor and vanes. If vanes fall out make sure to reinstall them with so that the edge of the vane with a slight radius is facing towards the outside of the pump.

STEP 14

Reinstall pump shaft snap ring

STEP 15

Slide the ring onto the pins noting the orientation.

STEP 16

Remove thrust plate from pump rear cover. We used a screwdriver to gently pry it out.

STEP 17

Install wave spring onto new thrust plate.

STEP 18

The thrust plate and rear cover fit together with a very light press fit. We wrapped the components in a towel to prevent any marring when pressing together in the vice.

STEP 19

Remove one of the pins from the pump body and slide it into the thrust plate. This will help align all of the components when installing the rear cover and thrust plate.

STEP 20

Once you have the rear cover and thrust plate aligned properly with the pins gently tap the rear cover with a dead blow hammer to help seat it.

STEP 21

Use a dead blow hammer and screw driver or punch to seat the rear cover retaining ring.

This photo shows improper retaining ring install, if installed correctly your pump WILL NOT look like this

INCORRECT INSTALLATION

The following picture shows the retaining ring installed properly. You will want your pump to look like this.