



# **CFMOTO ZFORCE Clutch Kit**

**Installation Manual**

# CFMOTO ZFORCE CLUTCH KIT

## Installation Manual

### Read carefully before installation!

Before starting the installation of the Clutch Kit, make sure your vehicle is turned off and is fully cool.

### Tools Required:

- 18mm Socket/ Wrench
- 30/32mm Socket/ Wrench
- 36mm Socket/ Wrench
- Compression Tool
- Clutch Holding Tool (Recommended)

## Replacing the Primary Clutch & Weights

### Step 1.

Remove the Variator Cover, do this by removing the 9 bolts.

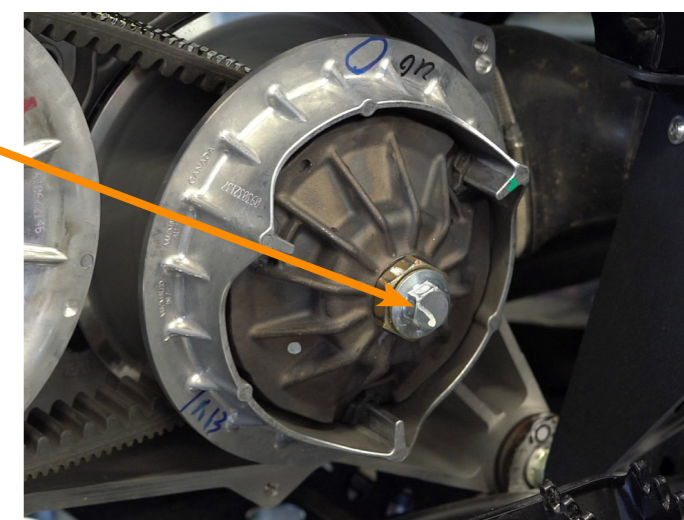
If the Variator Cover is stiff and doesn't pull away, you can give it a gentle tap on the top to loosen it.



### Step 2.

Remove the Clutch Bolt, using an 18mm Wrench.

The bolt has a left hand thread.

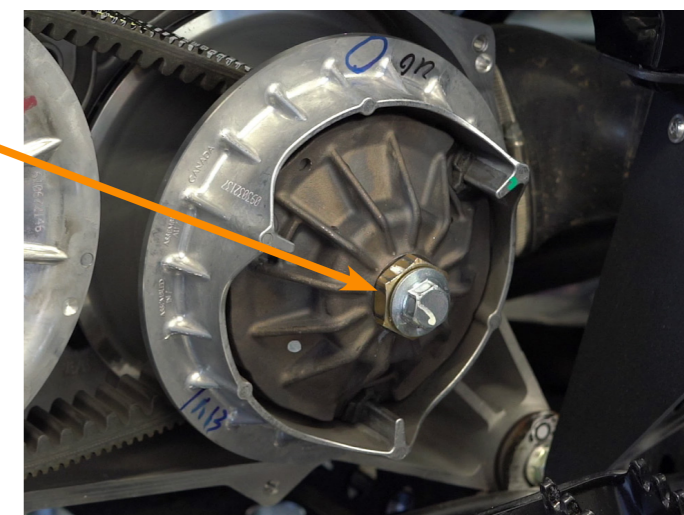


### Step 3.

Remove the cover plate nut, using a 30/32mm wrench.

The nut has a left hand thread.

You can now remove the sliding sheave.





## Replacing the Primary Clutch Spring & Weights

### Step 4.

Remove the sliding sheave and the original clutch spring.

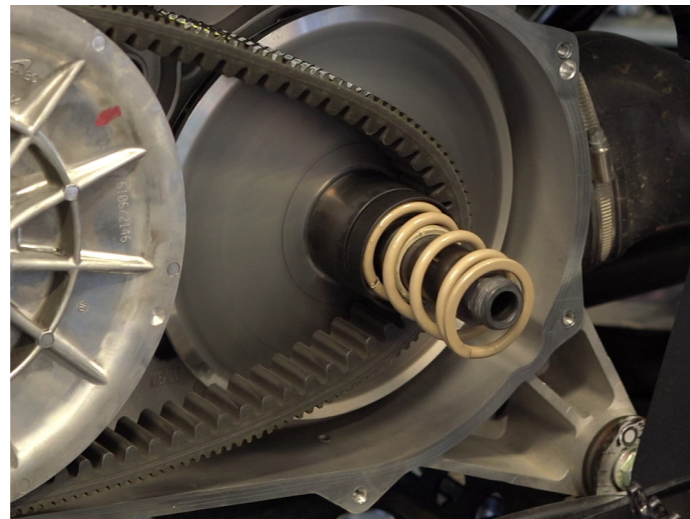
It's important if you remove any of the stock 'rings', that they are put back in the same order.

Slide on the Primary Clutch Shim.



### Step 5.

Install the primary clutch spring.



### Step 6.

Remove each of the Weight Holders from the sliding sheave and remove the original weights.

You can use a screwdriver to 'pop' these out.

Install a new weight into each weight holder. Make sure they are FULLY pushed in.



## Replacing the Primary Clutch & Weights

### Step 7.

Insert the weights into the sliding sheave.

It's important that they are fitted correctly, with the 'curved edge' fitting against the center.

Reassemble the sliding sheave and mount it back into place.



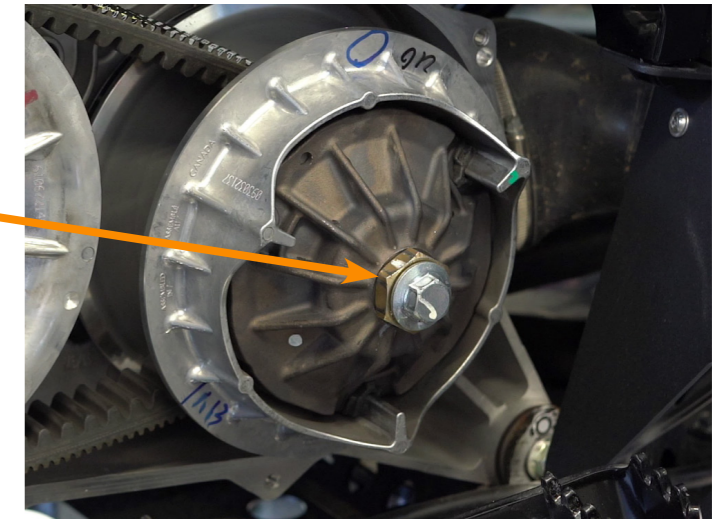
### Step 8.

Reinstall the back plate nut.

Use a 30/32mm wrench and tighten the nut to 105NM.

This bolt has a left hand thread.

You can use threadlock glue here.



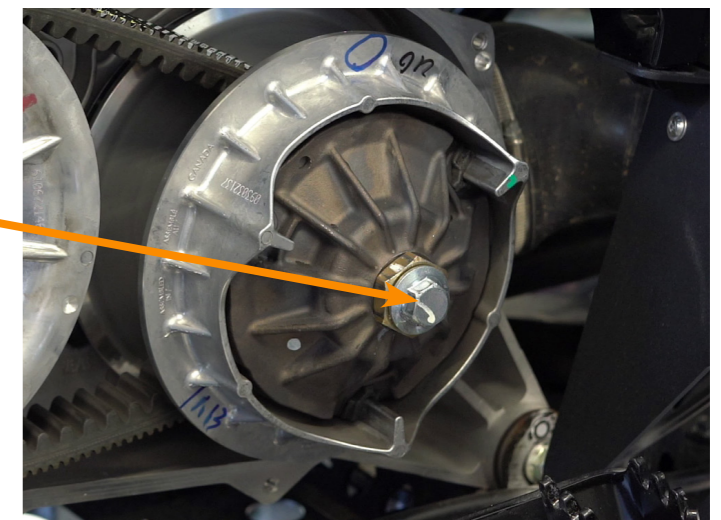
### Step 9.

Reinstall the Clutch Bolt.

Use a 18mm wrench and tighten the nut to 60NM.

The bolt has a left hand thread.

You can use threadlock glue here.





You've now finished installing the RJWC Primary Clutch Spring & Weights, but the fun hasn't ended just yet!

The next steps will walk you through the installation of the RJWC Clutch Helix and the Secondary Clutch Spring.

Remember - you only need to install the Secondary Clutch Spring if you use larger tires than stock.

Big Tires = Big Spring!

Let's go!

## Replacing the Helix & Secondary Spring

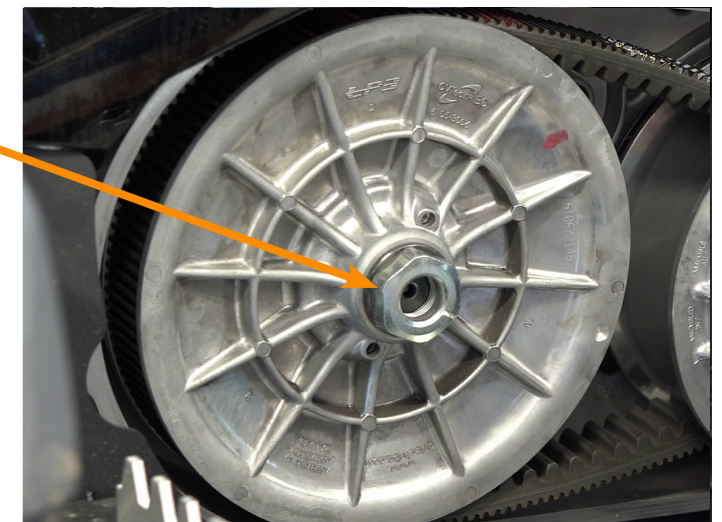
### Step 1.

You will need to loosen the variator belt by screwing an M6 bolt into the Drive Pulley at the location shown in the picture.



### Step 2.

Remove the Drive Pulley by using a 36mm Wrench to loosen the Nut.

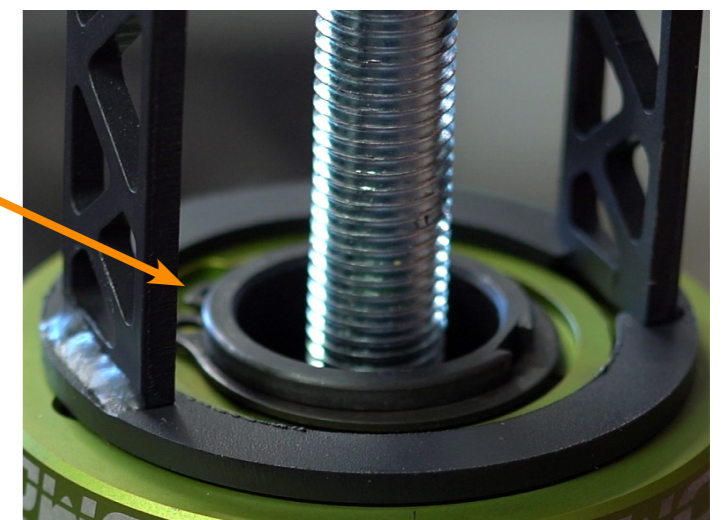


### Step 3.

Remove the Drive Pulley and place it on a flat surface.

Use a Compression Tool or similar to lower the cam plate until the retaining ring appears.

When the retaining ring appears, use a pair of pliers to remove the ring.





## Replacing the Helix & Secondary Spring

### Step 4.

Raise the compression tool slowly until the spring pressure is completely loosened and you can remove the stock helix.

Be careful of the loaded spring!



### Step 5.

If you are installing the secondary spring, you can now replace the stock spring with the RJWC Secondary Spring.

Remember - if you are running tires bigger than stock, you will need the secondary spring.



### Step 6.

Place the RJWC Helix onto the spring, lining up the holes.

Use your compression tool and begin to compress the spring.

The RJWC Clutch has one propeller hole, so clock the Helix to B (B1).



## Replacing the Helix & Secondary Spring

### Step 7.

As you compress the spring, make sure that you align the keyways, and insert the key.

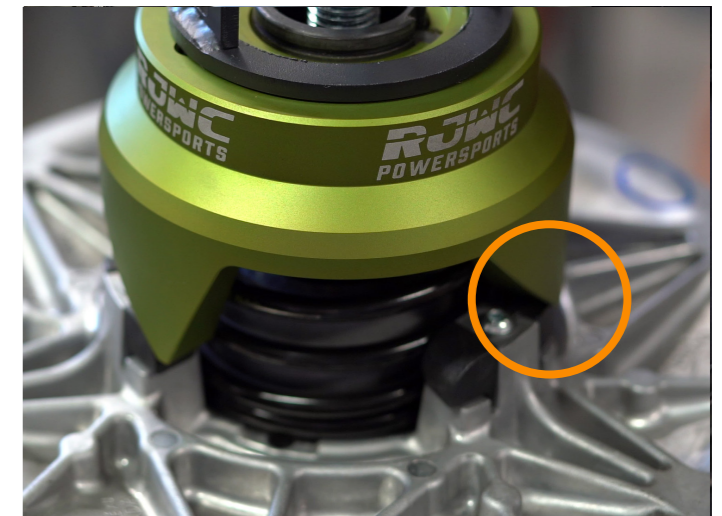
You also want to make sure the the point of the Helix is to the left of the cam shoe.



### Step 8.

When in position, you need to press-stress the spring by turning the cam plate counterclockwise.

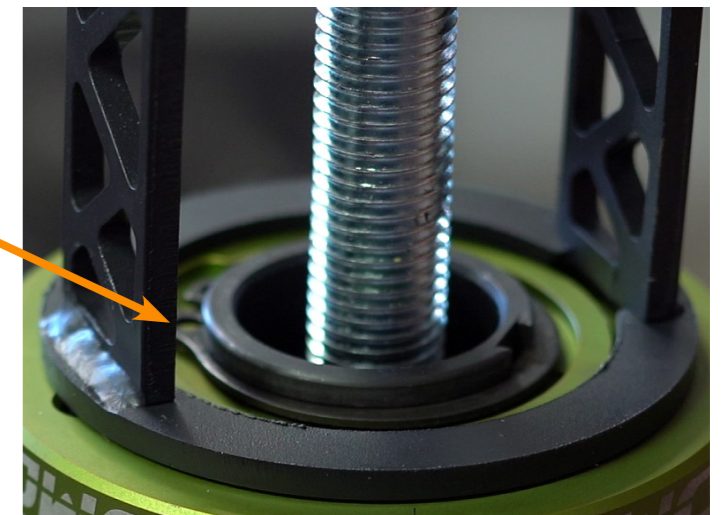
The 'point' of the Helix should now be on the right side of the cam shoe.



### Step 9.

Continue compressing the spring until you can reinstall the retaining ring.

Before removing your compression tool, make sure that the cam plate aligns to the right side of the cam shoes.





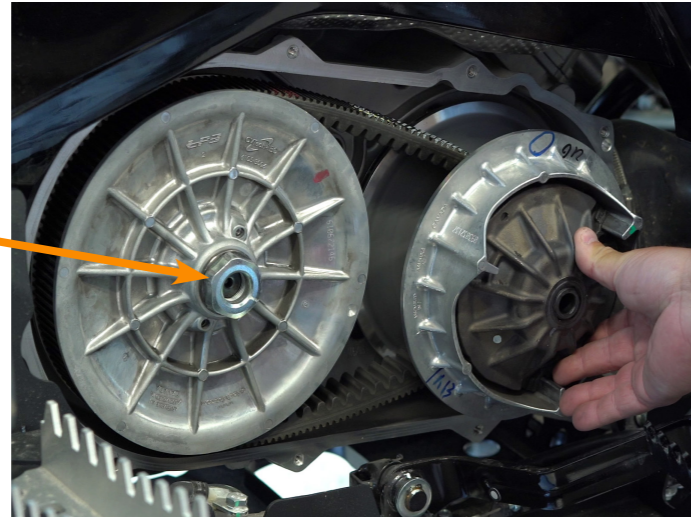
## Replacing the Helix & Secondary Spring

### Step 10.

Remove the compression tool and reinstall the drive pulley and variator belt.

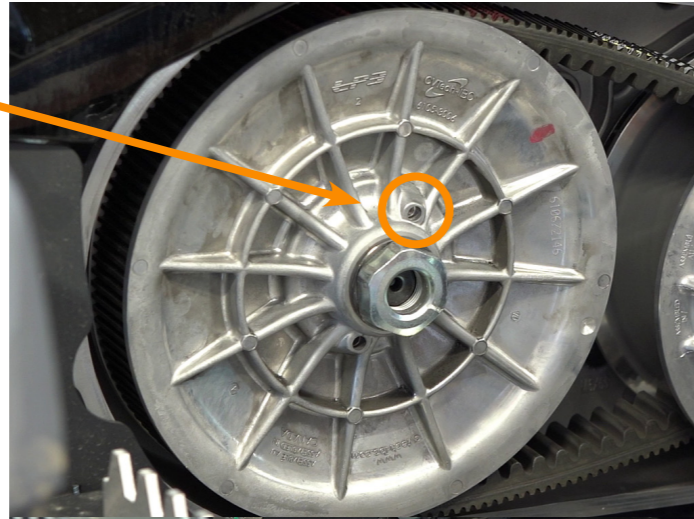
You will need to use a 36mm socket wrench, and tighten the nut to 150nm.

You can use threadlock glue here.



### Step 11.

Retighten the variator belt by un-screwing the M6 bolt from the Drive Pulley at the location shown in the picture.



### Step 12.

With everything installed, you can now reinstall the variator cover.



***You have now completed the installation of the RJWC Clutch Kit. We recommend taking a short test drive after the installation is complete.***

***Need help? Have a question?***

***Get in touch at [support@rjwc.se](mailto:support@rjwc.se)***