

# HELIX KIT

## INSTALLATION GUIDE

2017-2020 Can-am X3

### PARTS LIST

# 25-DHK1

- |                           |                            |
|---------------------------|----------------------------|
| <b>1</b> HELIX BOTTOM     | <b>1</b> WASHER            |
| <b>1</b> HELIX TOP        | <b>1</b> COMPRESSION BLOCK |
| <b>8</b> BOLTS            | <b>1</b> TORSION TOOL      |
| <b>1</b> COMPRESSION TOOL |                            |

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

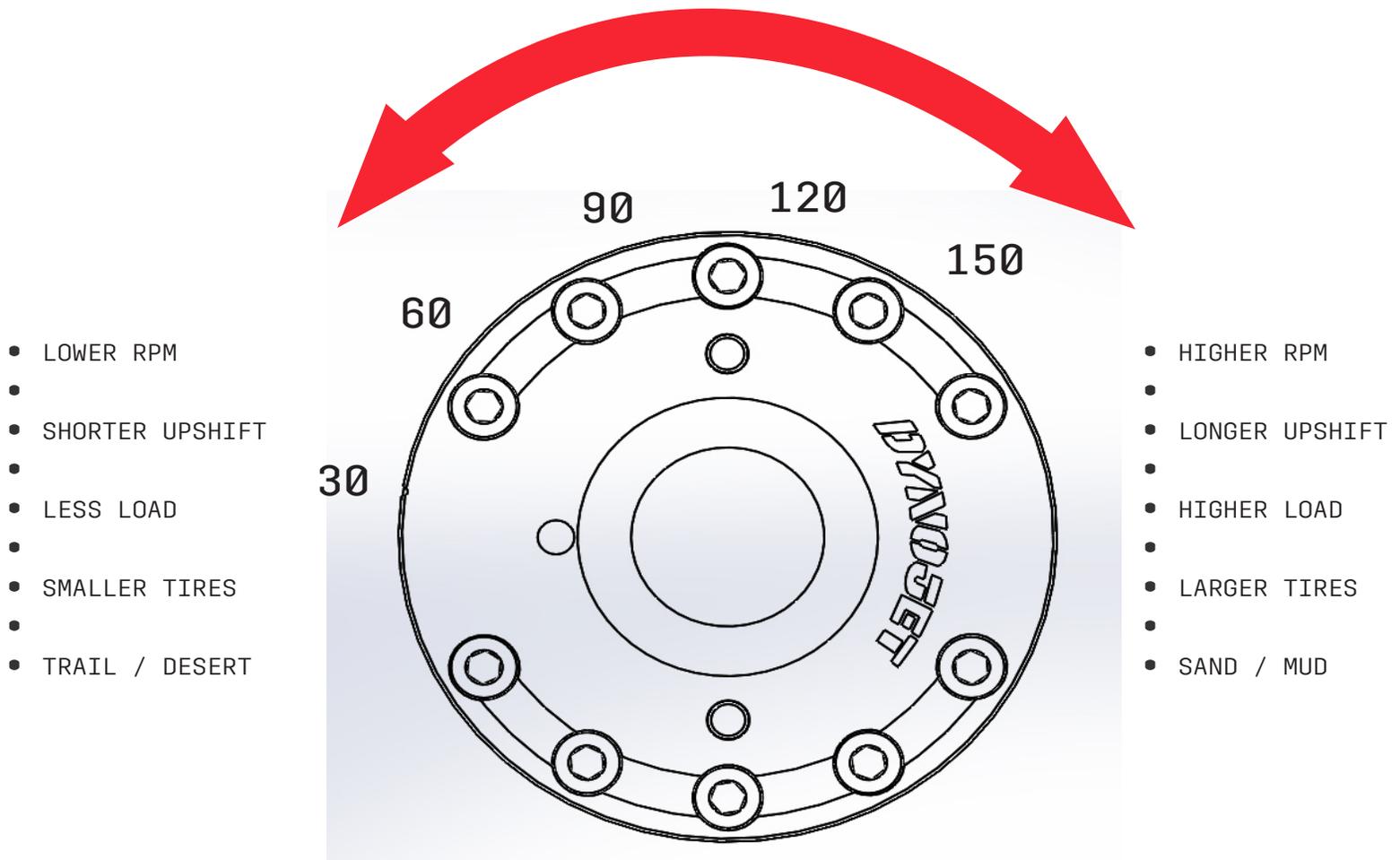
**THIS KIT REQUIRES SPECIAL TOOLS FOR INSTALLATION.  
FOR BEST RESULTS, DYNOJET RECOMMENDS  
INSTALLATION BY A QUALIFIED TECHNICIAN.**

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# CLUTCH KIT ADJUSTMENT SETTINGS



## TUNING NOTES

For best performance your RPM when checked at 55 mph should be 7850-8000rpm. This should be checked on a surface that offers good traction and tested with normal load in the vehicle. Adjustments to overall weight of each clutch arm and/or secondary springs may be necessary to achieve this RPM target.

If you were to test on the street and then ride in the sand or mud it is not uncommon to see a loss of 300-400rpm if using paddle tires.

Our settings are based on using a Dynojet clutch kit and PowerVision tune in the ECM for optimal performance.

# INSTALLATION INSTRUCTIONS

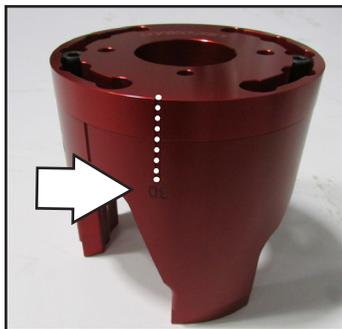
**IT IS RECOMMENDED TO HAVE AN AUTHORIZED CANAM TECHNICIAN INSTALL THE CLUTCH KIT AS SPECIAL TOOLS ARE NEEDED TO COMPLETE THE INSTALLATION.**

Remove the secondary clutch assembly from the vehicle. To disassemble the secondary clutch use Dynojet clutch service kit part #1630002.



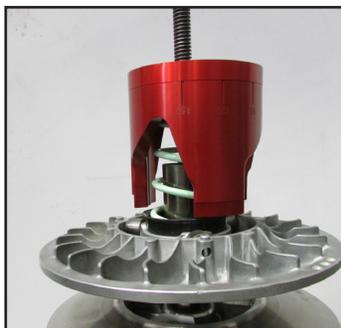
Take notice of the arrow marks on each sheave. It is best to make marks on the edge of each sheave with a marker for ease of reassembly. Slide the secondary assembly over the compression tool and tighten the tool down.

While the secondary is compressed remove the 3 torx cam retaining screws. Release the tension on the tool. Remove the stock cam (helix)

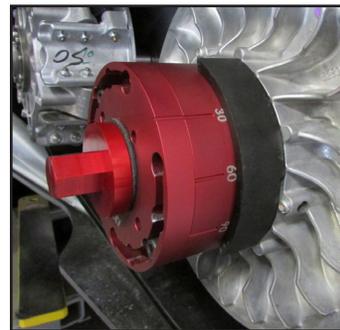
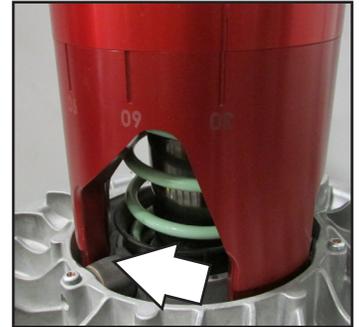


The Dynojet Helix should have been shipped in the 30 degree position. This is for ease of installment, you will adjust this in a later step.

Slide the secondary sheave onto the special tool. Put the stock plastic cup and Dynojet Light Green spring into the sheave making sure the tab on the spring is inserted into the hole in the sheave correctly. Make sure the spring is aligned into the small hole in the Dynojet helix



Slowly compress the tool as you rotate the helix slightly. Make sure roller engages the finger. Align the marks on each sheave. Fully compress the sheaves and reinstall the 3 torx screws to 45 lb/ft.



Clean the sheaves and re-install the assembly onto the vehicle. Replace the bolt and torque to 52 lb/ft. Install the RED compression tool and tighten enough so that the BLACK compression block locks into place. Use the antiseize on these threads. Do NOT overtighten.

Put the vehicle in HIGH gear. Using the spanner wrench engage the Helix. Loosen the 2 bolts holding the helix top to the base just enough to clear the top, do NOT full remove. Rotate the top to your desired mark. Install the bolts. Torque all 10 bolts down to 18 ft/lbs.



Loosen the compression tool enough to remove the compression block. Fully tighten the compression tool so that you can install the drive belt. Remove the compression tool. Keep this tool with you as it will be needed to change the belt.

**PUSH THE LIMIT.**

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