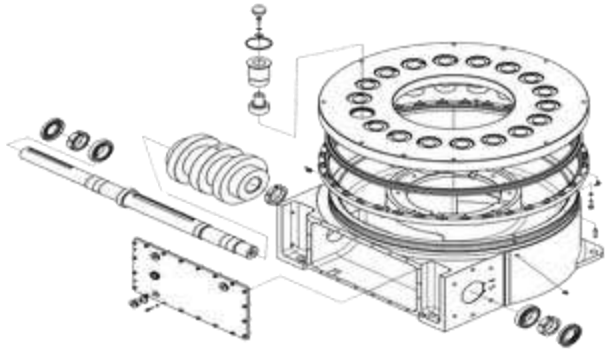
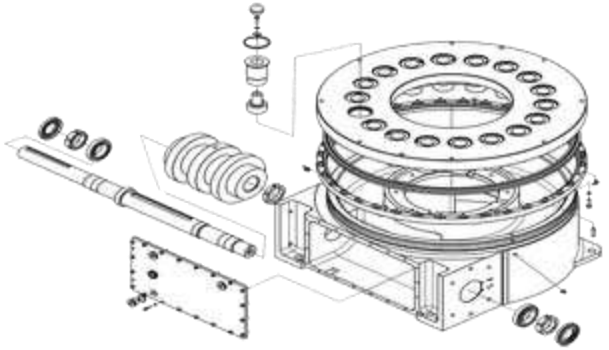
MOTION
INDEX DRIVES



HEALTH ASSESMENTS AND SPARE PARTS

MOTION
INDEX DRIVES



Health Assessments

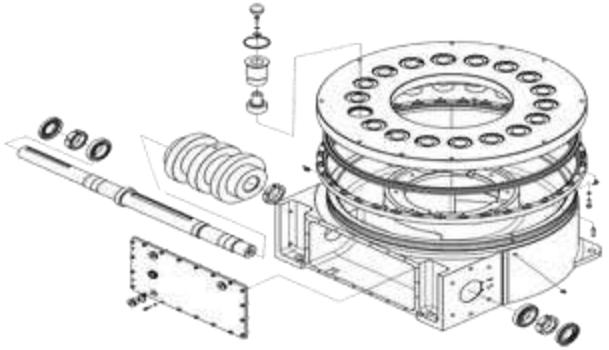
The #1 cause for indexer failure is stopping out of position and lack of maintenance/ Health Assessments.

- Health assessments are important part of the longevity of your indexer.
- Motion Tech can inspect and determine the current health your indexer is in and can recommend any preventive measure.
- Breakdowns cause a long down time and money for the customer.

Stopping out of position causes an internal E-STOP condition.

- This causes the cam follower to hit against the barrel cam on every stop. Which will lead to major damage.
- Adjust lever cams on output shaft accordingly. (Motion Tech can show you how to do this effectively).

MOTION
INDEX DRIVES



Indicator Pin

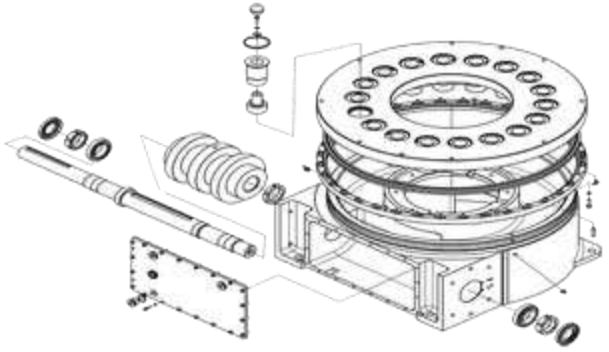
Stopping out of Position Indicator Pin Must stop at "0, 12oclock" position.

Damaged Barrel Cam

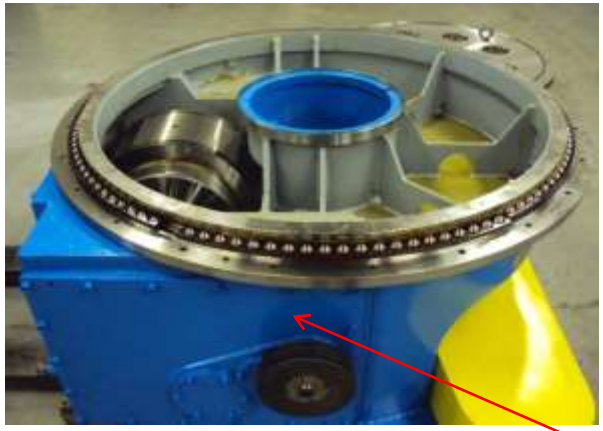
When indicator pin does not stop at "0" an internal ESTOP is created. Which will cause the following damage. SEE picture above and right…..

Damaged Cam Follower

MOTION
INDEX DRIVES



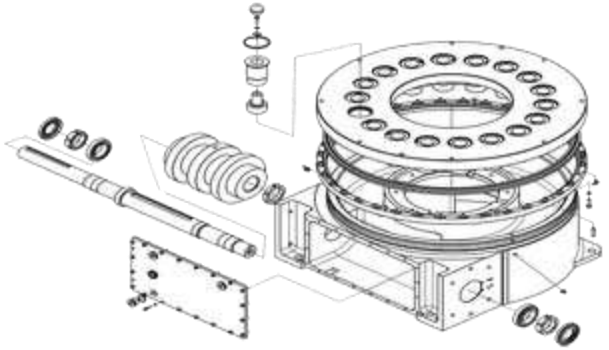
All bearings are under top dial. It is important to grease while rotating. During Health assessment, it can be determined if top dial needs to be re-shimmed. Re-shimming top dial will place the correct pre-load on the bearings



Replacing/inspecting pulleys and belts can decrease motor failure and internal gears

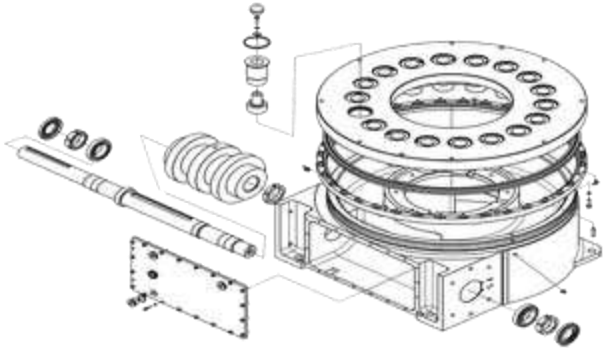
Internal gear reduction (side cover off)

MOTION
INDEX DRIVES



Drain and replace oil every 2 years. Any contaminants that are in the oil can cause an abrasive situation. Every time cam followers move through the tracks of the barrel cam the contaminants can act as an abrasive and can damage the components.

MOTION
INDEX DRIVES



It is important to have spare parts on hand.

- A Motion Technician can replace parts that need replacing upon discovery during Health Assessment.
- No unnecessary down time.

SPARE PARTS

- Cam followers (amount of followers vary depending on indexers in plant).
- Seals
- Belts and Pulleys
- Ball and Race assemblies (under top dial)
- Spare Indexer (sometimes depending on the amount of damage it's faster and easier to replace whole unit.)
    - When replacing the whole unit there is no need to worry about robot welding points, locations have/will not change.