



# PGR200, PGR400 Inspection System Reel Set Up Guide

**Inspect your system carefully upon receipt.**  
Let us know right away of any damage or missing parts.

**INCLUDED:**

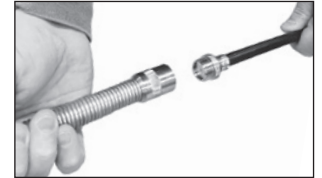
- Push rod reel
- 1½" color, self-leveling camera head
- Set of 4 IceBalls
- Camera Skid (PGR400 only)
- Monitor connection (patch) cord
- CBX17 Monitor/Control Box
  - Removable USB (Flash) Drive
  - WiFi Router (Dongle)



AFTER following the steps below, refer to the CBx17 User Guide (included) for detailed operating instructions.  
A 3-prong extension cord is needed to power the system

**1 Attach camera head to the push rod**

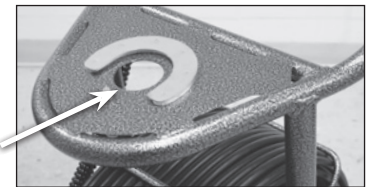
Align the push rod with the head and screw on until snug and there are no skipped threads. Don't over-tighten or use tools to tighten.



**2 Mount the CBX17 onto the monitor mount tray**



Pull down the Locking Pin on the underside of the mount and keep it held down.



Slide in the CBX17 until the disc on the bottom of the case is snug in the "C" bracket on the mount. Release locking pin to secure the box on the mount.

**3 Connect patch cord from reel to the control box**

▶ **DO NOT** power up the system until you do this step

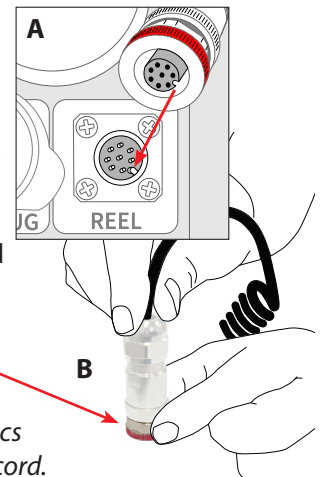
The patch cord should remain connected to the push rod reel.

**Do this step carefully or you could break the pins**

**A** Make sure cord notch hole is properly aligned with the notch on the Control Box port.

**B** Hand tighten ONLY at knurled base until snug, DON'T force the connection.

*This bottom segment with the knurled base is the ONLY part that turns, forcing the other discs to turn will damage the patch cord.*



**4 Plug extension cord into Control Box port**



042122

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## More Information

### Brake

- When lever is completely down, the reel brake is fully engaged



- Lifting it up gradually activates the drag
- The reel spins freely when the lever is in the up position

### Splash Covers

We have clam shell shaped covers for each PGR system to help prevent drips and keep debris contained. Removes easily with zipper closure, hose down to clean.

See [mytana.com/product/pgr-cover](http://mytana.com/product/pgr-cover)

## Camera and Push Rod Care

**NEVER USE A CAMERA TO CLEAR BLOCKAGES** or ram it to jump an offset. A kinked/broken pushrod, or damaged camera head may result.

### CAMERA HEAD

**ALWAYS USE THE ICEBALL POLY COVERS ON CAMERA HEAD** They are integral to the functionality and protection of the camera head. Keep a cover on the camera during transport to protect the threads and the head.

- Remove the small IceBall before adding a larger size.
- Remove and clean the threads regularly.
- Apply dielectric grease to the threads periodically or when changing sizes.

At the end of the day, check the camera head for damage and signs of water ingress.

During transport, to avoid jarring the camera head / push rod connection. Either:

- remove the camera head from the push rod, and cap both rod and head connections with the protective caps that came with the system
- or tuck the camera head inside the reel

Don't use this camera in any kind of traps.

### PUSH ROD

Avoid cuts and abrasions to push rod, cover sharp edges on cleanouts and entrances, don't use in same line as spinning cable.

On rewind stack the push rod carefully into the reel to avoid kinking.

See complete list of **Care Tips** on the back page of the CBX17 User Manual

## Warranty Information Inspection Systems

All products are warranted against defects in material and workmanship for one year from date of purchase.

All products are individually tested prior to shipment. Damage due to negligence, abnormal usage, accidents, or alteration is not covered by this warranty. **Examples of damage not covered by warranty:**

### Damaged Camera Head Connector Ends

For PGR systems: see back page for how to care for the camera head connection.

For our older systems with pin connectors on the camera head, we recommend keeping the head attached to the push rod at all times to avoid accidental damage.

### Damaged or Broken Connection Pins

For current PGR systems with a patch cord:

- See how to connect to control box, front side.
- The patch cord should NOT be disconnected from the push rod reel. Check occasionally to make sure it is snug.

### Broken Sapphire Window



The sapphire is nearly as hard as diamond; however it can break with extreme impact, especially on sharp edges of broken concrete or clay tile. Using our IceBall, Snoball or other protective guides greatly reduces impact to the camera head.

### Damaged Pushrod

The camera should not be forced through blockages. This can cause the wires inside the push rod to become kinked, buckled or severed. Guides and running water can help reduce friction as you push the camera through a pipe.



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