

Camera Care Tips *Avoid costly repairs!*

GENERAL

NEVER USE A CAMERA TO CLEAR BLOCKAGES or ram it to jump an offset. This can result in kinked/ broken push rod, or damaged camera head.

DON'T POWER A CAMERA WITH A CONVENTIONAL GENERATOR. Generators produce dirty power that can ruin electronic circuitry. Make sure the battery is charged up before field work, or use an Inverter Generator.

TRAPS Don't use your camera in any kind of traps. Even if a trap seems large enough, due to the tight turns involved, the camera could become lodged and incur damage. **Our DrainTracker mini camera is designed to go through traps in smaller lines.*

If it's an option, run water to reduce friction as you push the camera through a pipe.

HOUSING

KEEP DRY Be sure to keep a camera frame or control box (both in-use and out-of-use) out of the "spray" of cable machines and jetters.

- Control panels are generally water resistant, but not waterproof
- Electronics housing is vented for air circulation, so it is not water proof
- Keep reel interiors as dry as possible

Never use wet/dirty gloves when operating the controls. Dirt/grit can get into the buttons and cause them to malfunction.

PGR systems: **CONNECT THE PATCH CORD TO THE CONTROL BOX CAREFULLY.** Read instructions included with your system.



PUSHROD

Don't use a camera in the same line as a cable machine, the spinning cable can damage both the push rod and camera head.

Cleanouts and entrances can be sharp; cover edges with a rag or use a Tiger Tail guide to avoid cutting the pushrod.

When pulling the camera out of the line, wipe the pushrod down with a cleaning solution on a rag.

When rewinding, stack the push rod carefully into the reel to avoid kinking.

CAMERA HEAD

ALWAYS USE A POLY COVER The 1.5" IceBall lens cover, or SnoBall guide on the mini camera head, should be used at all times. They are integral to the functionality and protection of the camera head. Keep the cover on during transport to protect the threads and the head.

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

CONNECTION

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 with the protective caps that came with the system
- or tuck the camera head inside the reel

To reconnect, align the push rod with the head and **screw on until snug and there are no skipped threads.**

- Don't over-tighten—never use tools to tighten
- Avoid getting grime on the connection components

GUIDES

CAMERA GUARD CENTERING GUIDES included with the MS11-NG2 and PGR systems add extra protection to the camera head and help it navigate through the line.

Different sizes are available for different size pipes. All must be used with the 1.5" IceBall lens cover.

Remove and clean the threads on the nut regularly. Not doing this can result in crud hardening on the threads making them difficult to remove.

- **Apply dielectric grease** to the threads periodically or when changing sizes.

A **SNOBALL GUIDE** is included with our 1 1/16" camera head. Inspect regularly for damage, replace as needed.

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