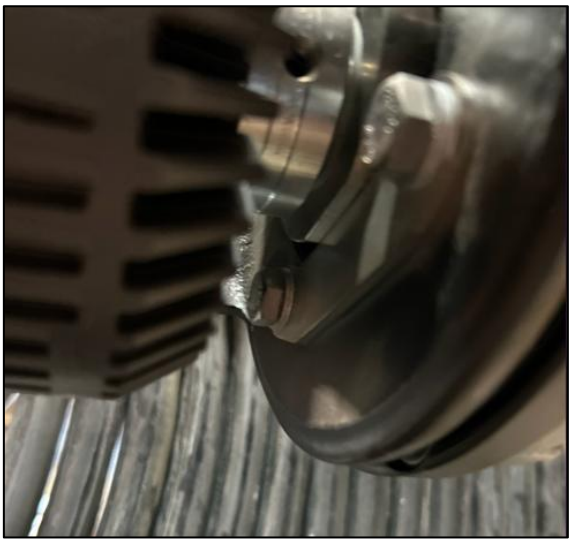
Service Bulletin [2026-06]

PTS/Cable Reel

AT ALL TIMES WHILE MAKING ADJUSTMENTS, THE MACHINE SHOULD BE LOCKED OUT USING APPROPRIATE PROCEDURES.



Subject

In response to increased service needs on the PTS crawler cable reels, Engineering has been evaluating the use case around several components in the reel and working to create a clearer maintenance checklist.

Affected Equipment / Products

Model(s): **PTS-20, PTS-40, & PTS-60**

Issue Description

Failure of the backstop bearing keeper tab on the PTS crawler cable reels. The failure of the tab has been damaging the backstop bearing which can cause the cable to pay out from the reel when it is not meant to. This has necessitated the replacement of the bearing along with the tab for several customers.

The manufacturer has recognized this issue and provided an improved design for a more robust tab. We are looking to replace these tabs across the board for customers that don't already have them. There have not been any reported issues with the cable reels on the transfer cars.

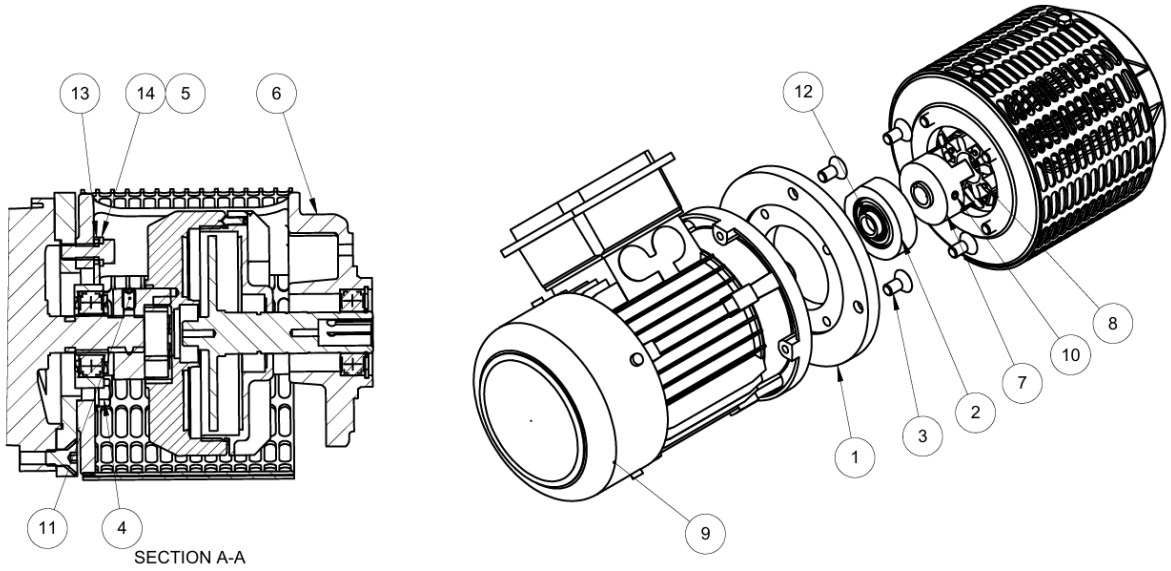
Required Parts

Part Number	Description	Qty
01699-000055	BRACKET, TWO HOLE BEARING WITH COUPLER	1
01223-100031	SCREW, HEX HEAD CAP .375-16 X 1.000 GR5 ZINC	1

To replace the tab & bearing:

Please see instructions for replacing the tab and the back stop bearing on page 2. Also, an updated maintenance checklist can be found on the pages that follow.

PTS/Cable Reel



1. Unbolt the coupler and the motor (together) from the reducer, then unbolt the motor from the coupler.
2. Unbolt the existing tab (detail 13) from the mounting plate and set aside.
    a. Note: the old tab design was only mounted by one bolt (detail 5), and the new bolt is mounted by detail 5 and detail 4. If replacing the single bolt tab with the two-bolt tab, detail 4 must be replaced with 01225-100087 (longer bolt).
3. If replacing the bearing, remove the existing bearing (detail 2) from the motor shaft and replace with new bearing. Check the direction of the bearing (it should spin freely to wind up cable but not spin in the direction to pay out cable).
4. Replace new tab to mounting plate using bolts, details 4 & 5.
5. Reattach the coupler to the motor.
6. Reattach coupler and motor to the reducer.

Cable Reel Maintenance Schedule

After 200 working hours from new cable installation

✓ Unspool and disconnect cable from its anchor and remove any twists in the cable.

Every 6 months

✓ Remove cover and clean motor.

PTS/Cable Reel

- ✓ Test motor function.
- ✓ Loosen motor bleed nipple to evacuate moisture.
- ✓ Visually inspect magnetic coupler
- ✓ Inspect spider coupling.
- ✓ Check for any wear or alignment issues of the slipring brushes and clean.
- ✓ Inspect slipring rings for wear and clean.

Every year

- ✓ Check the spool rim gap in 3 places- it should measure the same in all 3 locations.
- ✓ Visually inspect the spool
- ✓ Check spool connector bolts.
- ✓ Visually inspect cable and fitting at entry point of reel
- ✓ Reset the magnetic coupler to max torque (see manual p.19 & 20 or TB900110 for procedure)
- ✓ Visually inspect the gear teeth for wear in main and secondary gearbox
- ✓ Check the gap between gears (should be 0.3mm) in main and secondary gearbox.
- ✓ Check for any grease leaking from main and secondary gearbox.
- ✓ Check grease level in main gearbox.
- ✓ Check main gearbox bearings for noise.
- ✓ Lubricate bearings in main gearbox.
- ✓ Check that slip ring is not overheating.
- ✓ Tighten bolts and hubs in slipring.
- ✓ Clean the slipring enclosure.

Every 2 years

- ✓ Check the function of the backstop bearing and replace if necessary (see technical bulletin for replacement procedure)

Every 5 years

- ✓ Replace grease in main and secondary gearbox (see manual p.17 & 25 or TB900101 & TB900109 for procedure).

SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to ensure safe operation and use of machines, tools, automatic loaders, and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practices and procedures, particularly regarding the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.
- ✓ Be sure that all personnel are clear of the equipment before starting it.
- ✓ Be sure the equipment is properly grounded.
- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.
- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.
- ✓ Keep chemical and flammable material away from electrical or operating equipment.
- ✓ Maintain a safe work area that is free from slipping and tripping hazards.
- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

NEVER:

- ✓ Exceed the rated capacity of a machine or tool.
- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.
- ✓ Operate equipment unless proper maintenance has been regularly performed.

- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.
- ✓ Operate any equipment while any part of the body is in proximity to potentially hazardous areas.
- ✓ Use any toxic flammable substance as a solvent cleaner.
- ✓ Allow the operation or repair of equipment by untrained personnel.
- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair, or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.