



TSB # 7-2020

January 2, 2020

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TO: All Bourgault Dealers
ATTN: Service Manager, Parts Manager, Sales Manager
SUBJECT: 3710 – Pivot Arm Bearing Retrofit Kits – Special Pricing for 2020

INFORMATION BULLETIN (Information code 7.20)

Effective Serial Number Range – 3710 ICD drills with opener versions (A, B or C).

BACKGROUND:

As part of annual maintenance, the parallel arm pivots should be inspected for “play”. Worn pivot arm bushings/pins will result in performance issues with the ICD opener. The gradual reduction of the working angle will result in plugged or worn scrapers, reduced penetration ability and a smaller trench resulting in seed placement concerns. Pivot arm bushings that are left too long will experience severe wear that may result in the pivot arms becoming worn and damaged beyond repair.

Reports of excess pivot bushing wear, resulting in loss of the operating angle, have been reported in some 3710's. The investigation has concluded that one or more of the following factors were at issue:

1. Inconsistent manufacturing of the pivot bores
2. Undersized bushings
3. Damage to bushings during installation

Bourgault has created retrofit kits that can be purchased when performing pivot arm bushing replacement. Along with the retrofit kit there are tools that can help with the removal of the bushings and installation of the bearings. A new maintenance decal is also available which indicates the new 250 hour grease interval for the pivot arm bearings.

To ensure the highest level of performance the following maintenance items should be performed at the time of pivot upgrades:

- Coultter hub bearing pre-load should be inspected and adjusted as required
- Packer wheel hub bearing pre-load should be inspected and adjusted as required
- Cleaner/Gauge wheel bearing should be inspected and replaced as required
- Walking axle pivot bearings inspected for damage or any inward migration
- Walking axle bearing seals inspected for damage and replaced as required
- Inspect and replace worn coultters
- Inspect and replace any worn or damaged scraper components
- Re-install and adjust scrapers as required for optimum performance

CORRECTIVE ACTION:

- All 3710 parallel arm pivot bushings should be inspected seasonally for wear.
- It is strongly recommended that the pivot arm bushings be inspected prior to the next season of use.
- It is recommended that parallel arm pivot bushings showing 1/4” of “side to side” movement, as measured at the top of the disc when in the raised position, be repaired to avoid potential performance problems.
 - **The wear spec has been reduced as movement greater than 1/4” greatly affects seed placement.**
- If re-work is required, reference the table on page 2, for information on the needle bearing retrofit kits.
 - Please note that due to the potential variability in the machined bores, the needle bearing and greaseable pin design used on 3720's is being utilized given it is the most effective solution.
- Inspection and repair procedures can be viewed at www.bourgault.com and on the Bourgault U-Tube channel.



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Part Number	Qty. per ICD	Description	Ref Price	List Price
9313-88	4	Needle Bearing Retrofit Kit – require 4 kits per opener		
9313-82	2	Zerk Shield – require 2 per opener		
9313-88-25		Bearing Installation Sleeve		
9313-88-26		Assembly Bullet		
3905-09-01		Revised Maintenance Decal		

Special parts pricing in effect, pricing is subject to change without notice.

WARRANTY DETAIL:

Special Pricing Remains in effect for the 2020 season – CALL DEALER FOR PRICING

- **Model Year 2015 and newer**
 - Not applicable as all 2015 model year and newer machines (3720's) are equipped with needle bearings.
- **Units past the 5th year of warranty** – currently model year 2014 and older.
 - Will be able to purchase the retrofit kits at the special pricing.

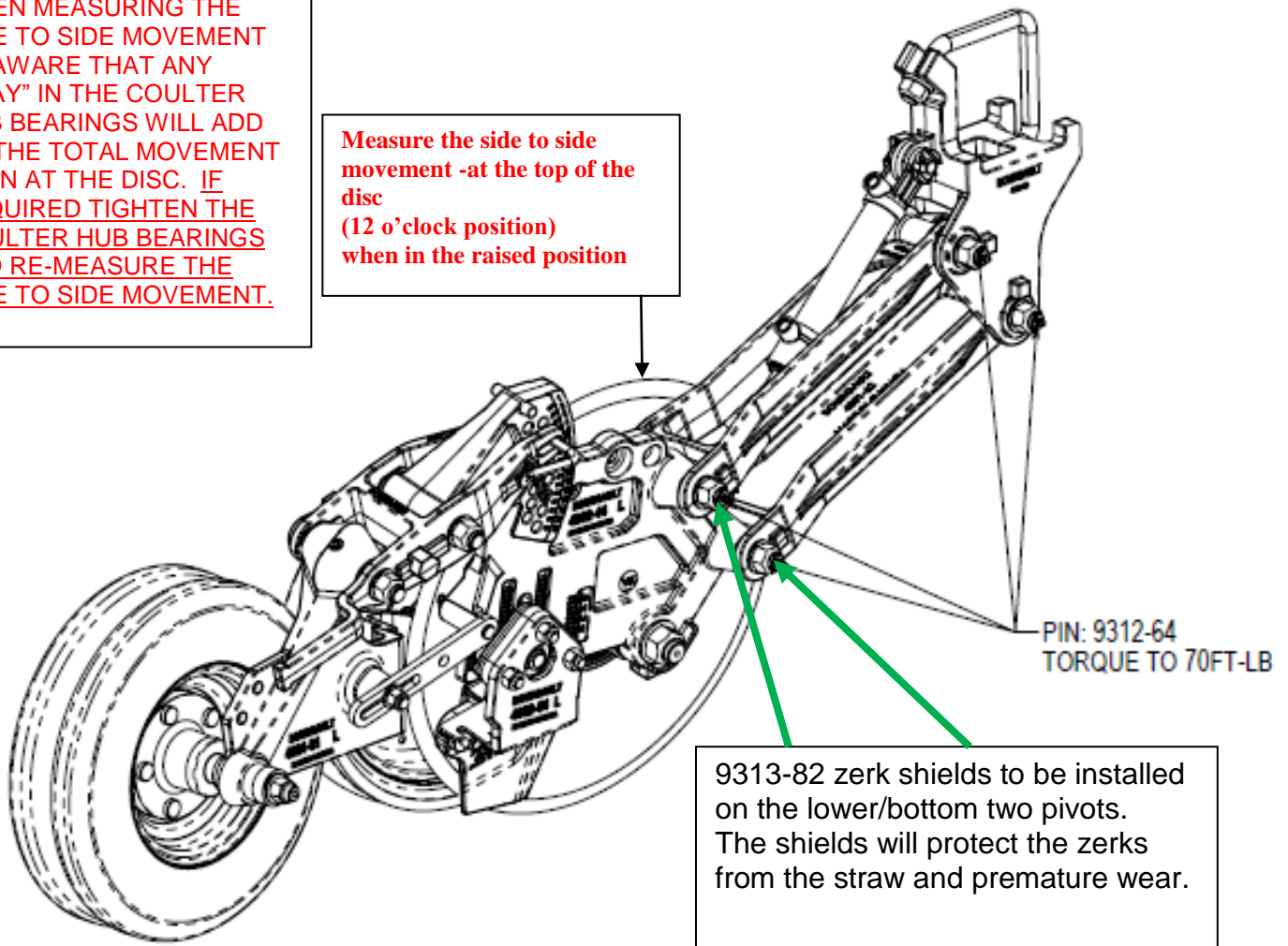
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IMPORTANT NOTE:
WHEN MEASURING THE SIDE TO SIDE MOVEMENT BE AWARE THAT ANY "PLAY" IN THE COULTER HUB BEARINGS WILL ADD TO THE TOTAL MOVEMENT SEEN AT THE DISC. IF REQUIRED TIGHTEN THE COULTER HUB BEARINGS AND RE-MEASURE THE SIDE TO SIDE MOVEMENT.

Measure the side to side movement -at the top of the disc
(12 o'clock position)
when in the raised position



3710 opener – showing 4 greaseable pin locations

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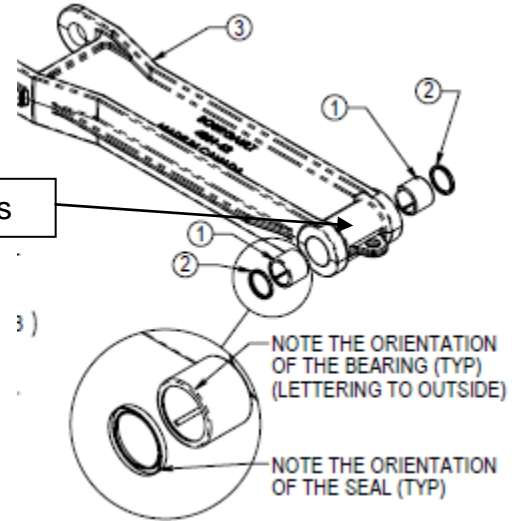
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Upper and lower pivot arm bearing locations



Bearing locations



Opener body bearing locations

