



TO:
 ATTN:
 SUBJECT: Inadequate MRB Scraper Spring Tension

FIX ON FAILURE (Failure Code 20.19)
 Effective serial number range: Model year 2018 MRB3's

BACKGROUND:

Last spring we encountered a couple of machines that exhibited scraper plugging and/or flipping issues when working in wet soil conditions or heavy straw conditions. The solution for both these issues revolves around proper scraper positioning and the application of adequate scraper pressure to meet the varying soil conditions. However when scraper pressure adjustments were made it was found that scraper pressure was basically non-existent. Investigation revealed the scraper springs were not properly heat-treated and therefore had no ability to apply spring pressure. Once the springs' "flexed" they rapidly lost any pressure that could be applied to the scraper therefore leading to scraper plugging issues.

The root cause of this problem has been narrowed down to a procedural issue at the spring supplier as a small batch of springs did not receive proper heat treating. A number of these springs have been identified and replaced under warranty already but based on the supplier batch size we are certain some more of these springs are still on model year 2018 units. It is important to know that this concern will be limited to model year 2018 units as all warehouse inventory and MRB3 stock has been confirmed to be good prior to building any model year 2019 machines.

CORRECTIVE ACTION:

- Follow the procedure on page 2 to quickly determine if springs are affected.

Part Number	Description	Dealer Cost	List Price
2070-66	Scraper Spring - left	\$	\$
2070-67	Scraper Spring - right	\$	\$

Parts are available at the Bourgault Parts Department

WARRANTY DETAIL:

Contact your local Bourgault Dealer for warranty details



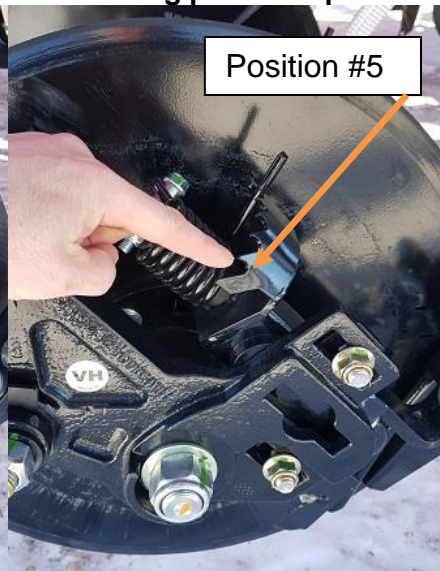
Scraper tension spring

Two separate checks or a combination of both can be used to identify faulty springs

1. Using the scraper tension adjustment tool adjust the scraper tension from position #1 to position #5 and back again – repeat two to three times – faulty springs will “lose” tension when placed back in position #1 after being placed in position #5



Position #1

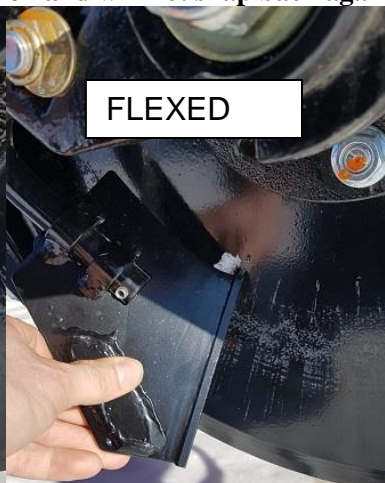


Position #5

2. “FLEX” the scraper from the home position to a position away from the coulter – repeat two to three times – faulty springs will “lose” tension and will not snap back against the coulter.



HOME



FLEXED