



TO:

ATTN:

SUBJECT: New Seal Kit for Fan Selector Solenoids on 7000 Series Air-seeders

**FIX ON FAILURE** (Failure Code 22.19)

Effective serial number range: 7000 series tanks beginning with sn: 42436AS-01 ---

**BACKGROUND:**

We have reports from the field where the fan selector cartridge can loosen out of the main hydraulic manifold and this can result in a significant oil leak. Currently the fan selector cartridges utilize a Buna-N type seal. The vendor is recommending the use of a Polyurethane-P type seal as they are a superior seal and as well reduce the likeliness of the cartridge un-threading from aluminum hydraulic manifold.

In addition to the new seal material the installation torque value for the fan selector cartridge will increase to 125ftlbs.

**CORRECTIVE ACTION:**

- Where customers have experienced oil leaks from the fan selector cartridge it is recommended to install the new style polyurethane-P type seal kit.
- Upon re-installation of the fan selector cartridge re-torque to 125 ftlbs.
  - Application of an oil resistant Loctite (similar to Loctite 243) will provide even more confidence that the cartridge will not loosen out of the block.
- Refer to figure 1 on page 2.

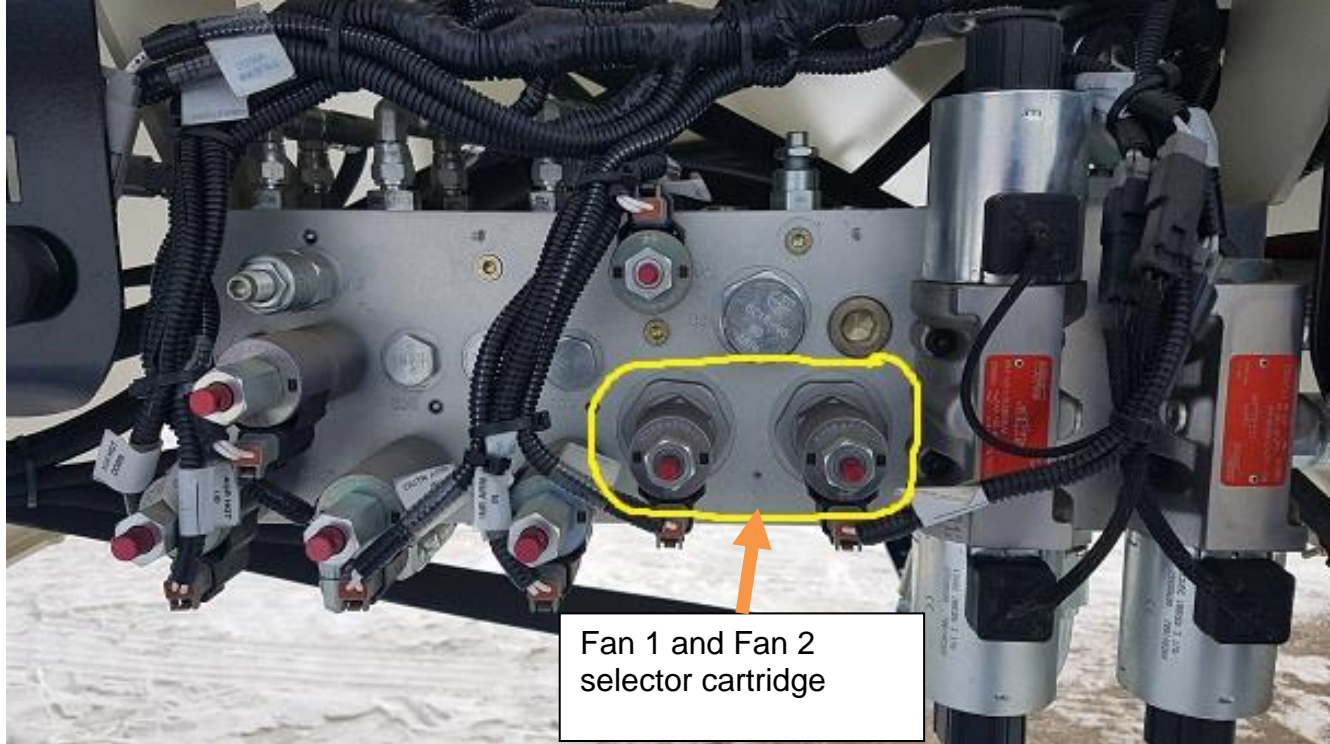
Part Number	Description	Dealer Cost	List Price
3441-50-55	Seal Kit SK20-2P-T	\$	\$

Contact your local Bourgault dealer for parts availability and pricing

**WARRANTY DETAIL:**

- Contact your local Bourgault dealer for warranty details

Figure 1



- 3/4" wrench or socket required to remove the coil.
- 1 7/8" (minimum 3 3/4" deep) socket required to remove the cartridge without removing center piston
- 1 1/4" wrench or socket required to remove center piston
- Re-torque to 125ftlbs

An additional improvement to this area has been implemented on new production units. An anti-turn device is added to physically prevent the cartridge from loosening out of the block. Therefore this TSB applies to 7000 series tanks from sn: 42436AS-01 to where the anti-turn has been added to production units (early 2019)

Figure 2

