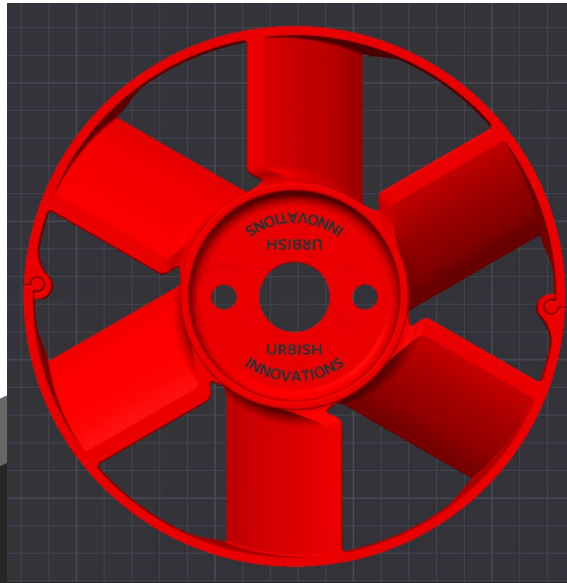


# URBISH INNOVATIONS

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## Installation Instructions for Two-Piece Hydrostatic Cooling Fan p/n MFSC-001-02

Installs in place of p/n 4264911M1

Applicable to Massey Ferguson Subcompact Tractor Models:

- GC1723/1725
- GC1705/1710/1715/1720
- GC2300/2310
- GC2400/2410
- GC2600/2610





# Installation Notes

- This fan was developed to eliminate the need to remove the floor pan and operation station from the tractor to replace the OEM fan
- Estimated time to perform this operation is 15-30 minutes
- A 2022 GC1723E was used for the photos in these instructions
- Suggested Tools:
  - 1/4" or 3/8" drive ratchet with 6" and/or 12" extensions
  - 12mm socket and universal joining adapter OR 12mm swivel socket
  - Screwdriver
  - Sheet metal snips
  - Blue threadlocker (optional)
  - Grease or anti-sieze compound (optional)
  - Safety glasses
- While under your tractor, this is a good time to inspect all other visible systems, grease fittings, and to check for hydraulic leaks



## Warranty and Disclaimer

This is an aftermarket product. The design has been tested on several owners' tractors, but Urbish Innovations is unable to put them through rigorous testing like a big manufacturer would. Inspect your fan and the fasteners often. If your fan breaks under normal use, let us know and we will make it right. We will be reasonable with you if you are reasonable with us.

That said, Urbish Innovations, LLC takes no responsibility for any damage that may occur to you during installation or to your tractor from operating with broken fan blades. Per the owner's manual, these tractors require frequent inspection and periodic maintenance. Please inspect the fan and its fasteners often to ensure everything is working properly.



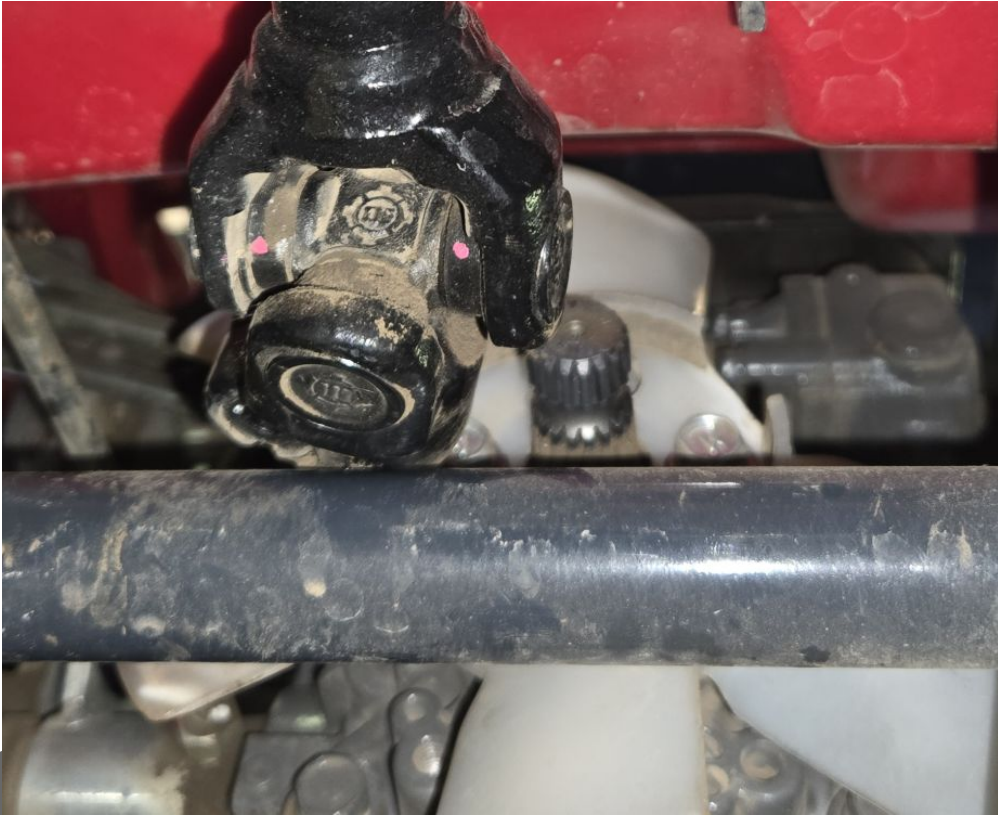
# Preparation

- Engine must be off with key out of the ignition!
- Ensure that all implements/attachments are fully lowered
- With tractor safely supported and parking brake set, remove any guards/debris to expose fan and rear drive shaft u-joint from underneath
  - *If you have the RetailREMS Sentinel guard installed, you only need to remove the front half of the guard to allow suitable access*
- Rotate driveshaft so that the screw holding yoke onto the transaxle is accessible
  - *A screwdriver may be used through the u-joint to aid in rotating*
  - *Be careful not to damage the rubber seals of the trunnion*



## Removal of Drive Shaft

- Use 12mm socket and extension to completely remove screw from yoke and set aside



# Removal of Drive Shaft

- Slide the drive shaft forward off splined shaft
- Do not pull the shaft rearward as it may disengage from the engine and can be very difficult to get re-engaged without significant disassembly
- It may be necessary to pry the yoke forward off the shaft if it is rusted in place



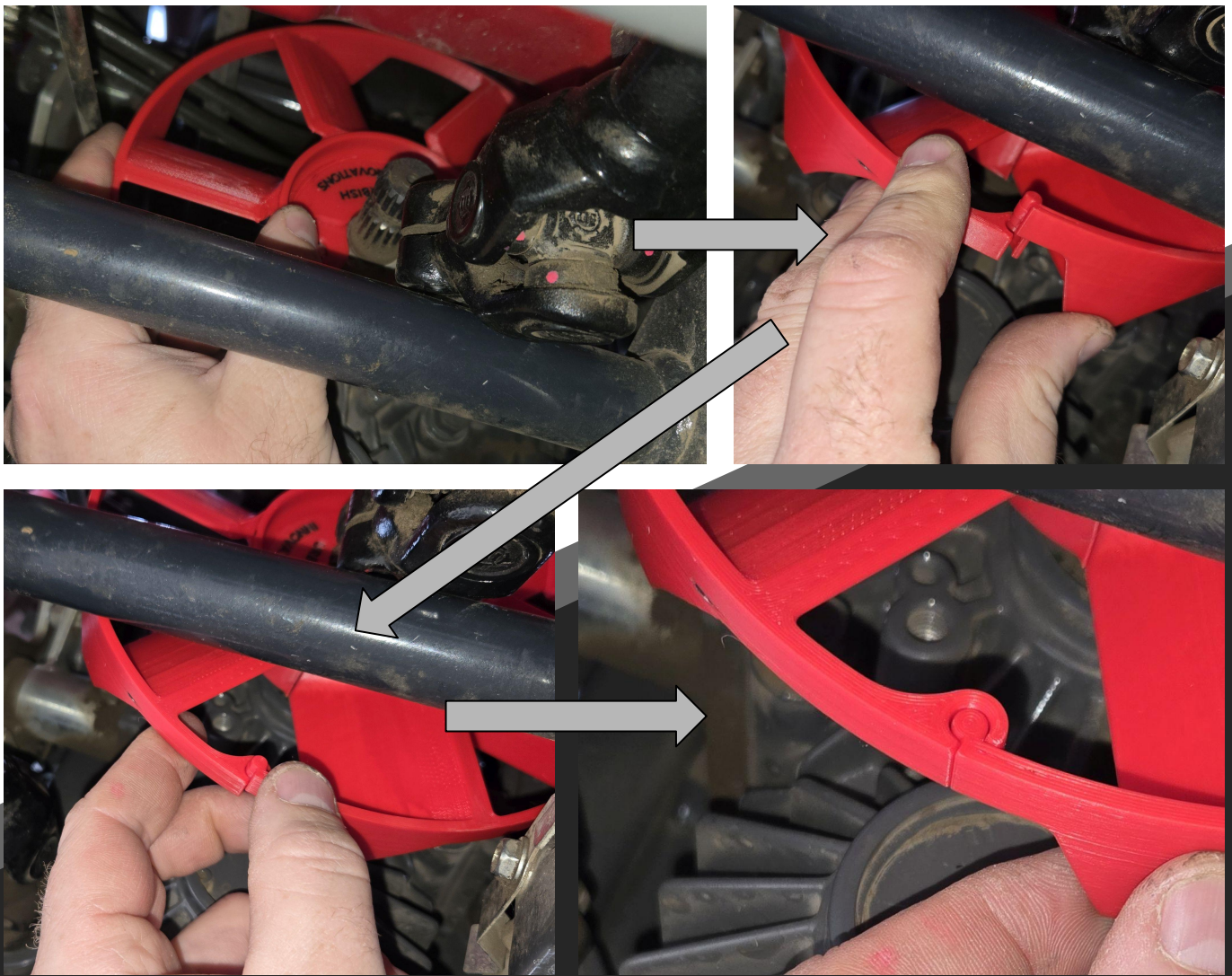
## Removal of Broken Fan

- Using sheet metal snips, cut blades off original fan as close to the fan hub as possible



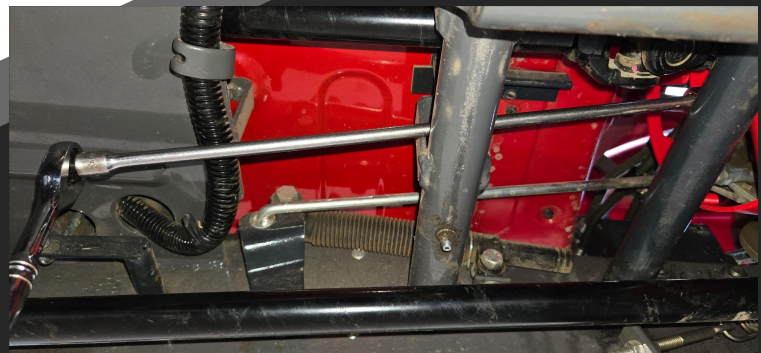
## Removal of Broken Fan

- Remove screws securing fan with a 12mm socket
- The driveshaft yoke can be moved side-to-side to provide access to the screws
- It may be helpful to use a 6" or longer extension and universal joint to access the screws
- Remove fan hub from splined shaft



# Installation of Two-Piece Fan

- Put fan halves into place, **ensuring that mounting tabs of fan are overlapped properly**, then snap the halves of the outer ring together by pinching with your fingers
- “URBISH INNOVATIONS” markings on the fan will face away from the transaxle, visible to you on the side you install the fasteners from
- Rotate the fan 180° and ensure that the surface of the outer ring is snapped flush in both locations



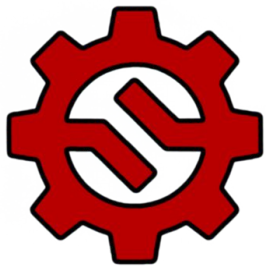
# Installation of Two-Piece Fan

- Align holes in fan to threaded holes
- Reinstall one screw loosely to hold in place
  - *Blue threadlocker may be used to help keep these screws tight*
- It may be helpful to use a 1/4" driver handle, extension, and swivel socket to get the screw to properly align to the threaded hole
- Rotate the fan around or push the driveshaft to the other side to access the other hole
- Install other screw accordingly and tighten both (ratchet with 16" extension shown)



# Installation of Drive Shaft

- Reinstall drive shaft yoke onto transaxle shaft
  - *You may choose to apply grease or anti-seize compound to the splines to aid any future maintenance*
- Loosely install screw securing yoke
  - *Blue threadlocker may be applied to the screw to keep it from loosening*
- You will have to wiggle the yoke front and back to find the groove for the screw to slip through
- Fully tighten the drive shaft yoke screw
- Reinstall any guards removed during preparation



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## Wrap Up

- At low RPM, the fan may appear to wobble
  - This is because the hub it bolts to is loosely pinned to the drive shaft; this is an inherent aspect of the tractor
- Periodically inspect the fasteners for tightness
- If fan screws loosen, blue threadlocker may be used
- Periodically inspect fan blades for damage
- If you don't have a guard installed over the fan and oil filter, acquiring and installing one is highly recommended to prevent future fan damage

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