FCO CA09820 - Fan Box Upgrade

Document number: 719-00740A Rev A

Product	FCO priority
Magnus VLFs	As required.

Machines affected All Magnus VLFs with a TH2 and a fan box (heat exchanger)

Background

1. The flanged bracket on the fan box sticks out under the left shin panel (particularly on semi-automatic devices), preventing full adjustment of the panel.
2. The existing nitrile o-rings in two fittings swell and leak when exposed to propylene glycol coolant.

Solution

1. Install a new bracket for the casters that does not go under the panel.
2. Two fittings replaced with one fitting with viton orings.

Time required 1 hour (2 hours if coolant is fully drained)

Parts required

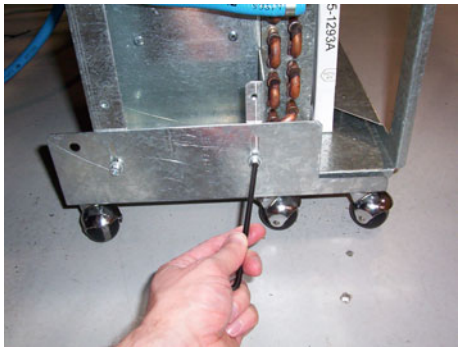
Part Number	Part Name	Quantity
512-00388A	FCO kit CA09820	1

Tools required

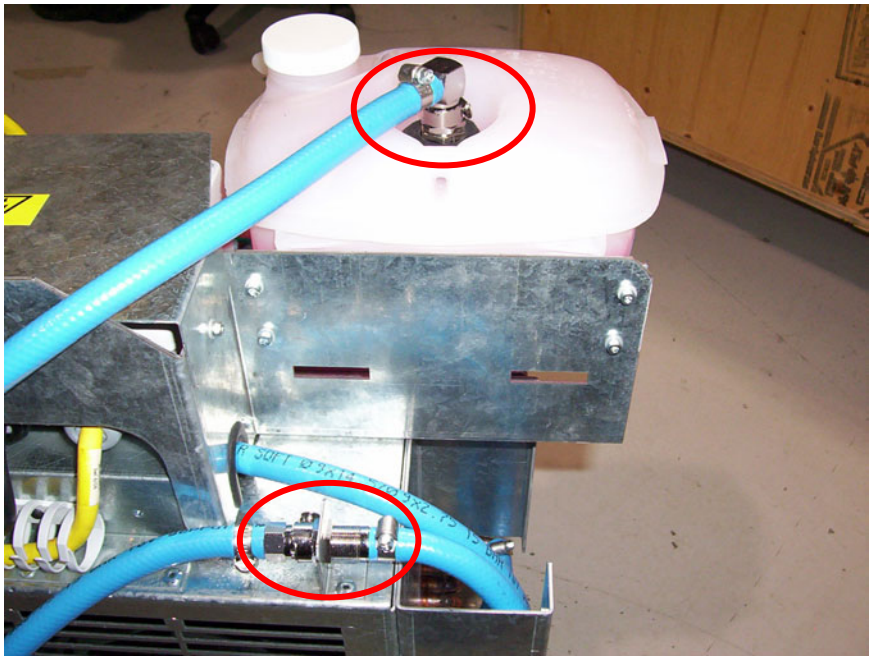
- Hex keys (metric)
- Absorbent material to catch coolant
- Open end wrench (2)
- Phillips screwdriver for worm gear

Procedure

1. Remove the left shin panel to get access to the fan box (heat exchanger).
2. Roll out the fan box unit and temporarily brace the unit with wooden blocks.
3. Remove the front caster bracket with castors.



4. Transfer the casters to the new bracket and install the new bracket.
5. Disconnect the fan box power connector from the bulkhead connector.
6. Disconnect the coolant hoses from the fan box (use absorbent material to catch drips).
7. Remove the barb fittings that the hoses were connected to.
8. Replace the fittings with the new ones supplied in the kit.



9. Reconnect the coolant hoses to the new fittings.
10. Reconnect the fan box power connector to the bulkhead connector.
11. Roll the fan box back into the device.
12. Install the left shin panel.

Test

1. Run the device for an adequate amount of time to confirm that the lower fitting is not leaking.

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