



Number: TSB-FC-2015-034 CS7000 Solution manifold leaking *UPDATED

Symptom: Water leaking from solution manifold

Date: 15th Feb. 2016

Urgency: Low

Author: Aaron Clark

Urgency:



LOW: Rework to be done if necessary

SYMPTOM:

Water leaking from one of the seams on the solution manifold (56413426) while scrubbing.

PRODUCTS:

Model Name: CS7000

Model Numbers: 56509000, 56509001, 56509002, 56509003, 56509004, 56509005, 56509006, 56509007, 56509008, 56511000, 56511001, 56511002, 56511540, 56511541, 56511564, 56383115, 56384409, 56384410

SYSTEM:

Solution System

ISSUE:

While scrubbing water leaks from a seam on the solution manifold on to the top of the scrub deck. (Fig.2&3)

CAUSE:

The right scrub brush motor and bracket will pivot back and inward to allow for more effective edge cleaning while protecting the deck from impact with an object or obstacle. (Fig.1) When the deck pivots back and inward the solution hose for the right scrub motor also moves causing the manifold to flex and split at the seam allowing water to leak out the seam while scrubbing. (Fig.1&4) When not scrubbing, the solution solenoid prevent water from entering the manifold.

ECO / ODM #:

A-11295

PRODUCTION CORRECTIVE ACTIONS:

The manifold material has changed to a more flexible and robust material that will not crack from normal articulation of the scrub deck. A new bracket has been added to fix the hoses in place and prevent movement (Fig. 5-8).

PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with new material Solution Manifold and new Bracket installed as Standard equipment:

Implementation Shipping Date: 5th Jan, 2016

Serial Number: 1000061346



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FIELD CORRECTIVE ACTIONS: (All machines built prior to Serial Number 1000061346
Replace the leaking Solution Manifold with a one made from the new and improved material.

SPARE PARTS or Kits Needed:

56384703 MANIFOLD BRACKET KIT (Fig. 5) - Replace manifold and install new bracket if leaking from seam (Fig.2) **2.5 hours is the allowed labor time to do this repair.**

COMPONENT LOCATIONS / PICTURES:

Old design Fig. 1-4

New design Fig. 5-8

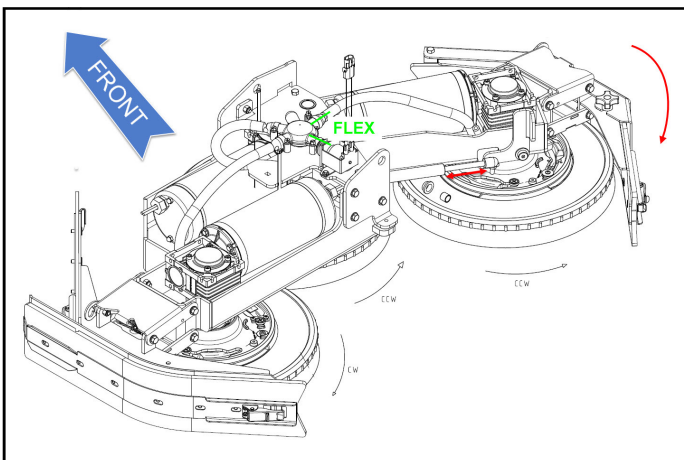


Fig. 1



Fig. 2

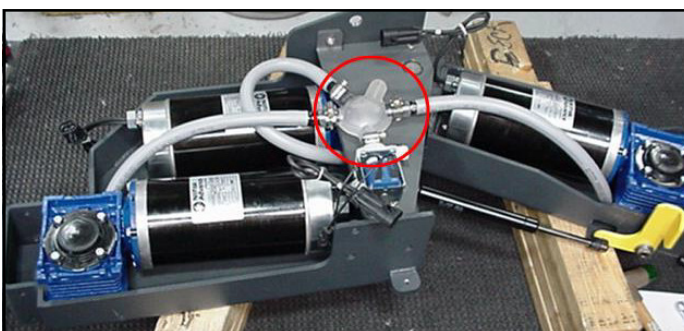


Fig. 3

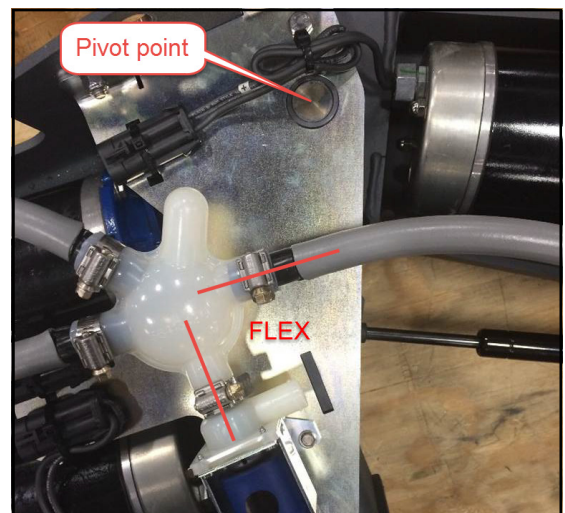


Fig. 4



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NEW COMPONENT LOCATIONS / PICTURES:

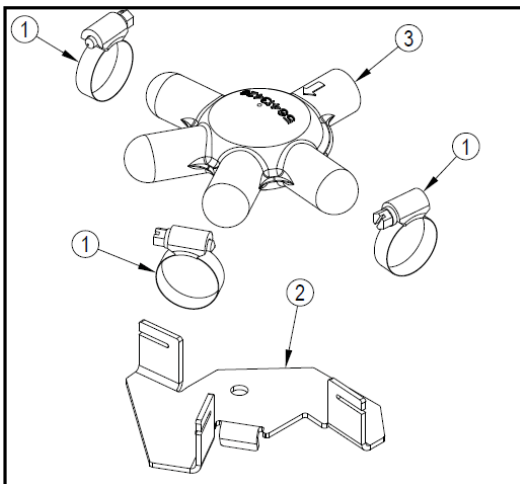


Fig. 5

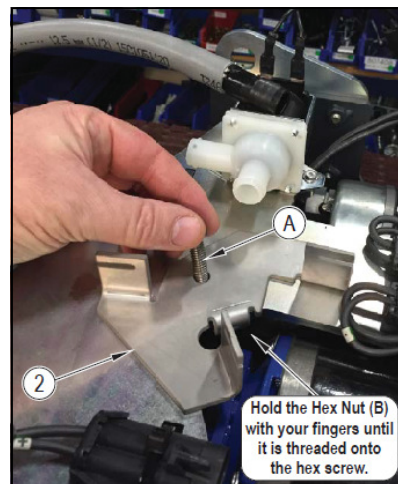


Fig. 6

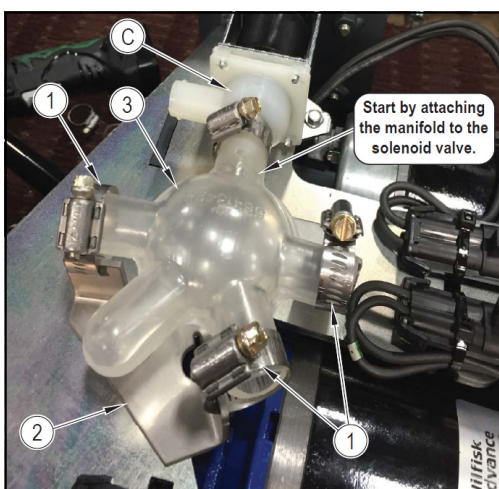


Fig. 7

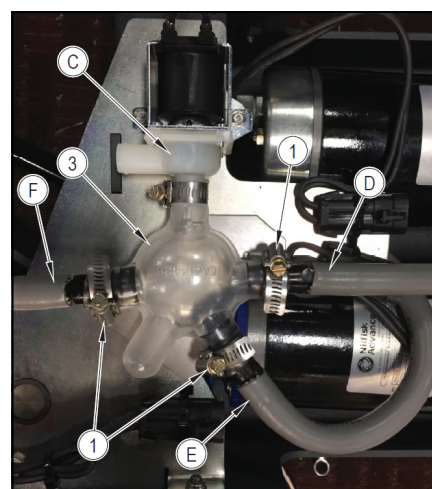


Fig. 8