



Number: TSB-FC-2014-033

Symptom: CS7000 Squeegee Contacts Drive
Wheel on Ramp

Date: October 23, 2014

Urgency: Low

Author: Matt Herr

Urgency:

☐

HIGH: Rework needs to
be done immediately

☐

MEDIUM: Rework needs
to be done by next
possible occasion

☒

LOW: Rework to be done
if necessary

☐

GENERAL: General
information

SYMPTOM:

Squeegee weldment rubbing on drive tire and stuck in left or right articulated position underneath frame

PRODUCTS:

CS7000

SYSTEM:

Drive Wheel and Squeegee Systems

ISSUE:

Under certain conditions the squeegee can rotate past the stops and contact the drive wheel

CAUSE:

While the machine is traveling up a steep incline during transitions to a level surface and performing a tight turn the squeegee weldment can rotate beyond the stop and contact the drive wheel.

ECO / ODM #:

ECO A-10477

PRODUCTION CORRECTIVE ACTIONS:

The squeegee stops have been lengthened to prevent the squeegee bracket from passing it on steep incline turns.

PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with new 56383992 SQUEEGEE STOP KIT installed as Standard equipment:

Implementation September 30, 2014

Serial Number: 1000055043

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TECHNICAL
SERVICE
BULLETIN

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FIELD CORRECTIVE ACTIONS: (All machines built prior to Serial Number 1000055043)

Order and install PN 56383992 SQUEEGEE STOP KIT in applications with steep inclines

SPARE PARTS or Kits Needed:

56383992 SQUEEGEE STOP KIT

56383992 SQUEEGEE STOP KIT

For LP & D CS7000 Hybrid, CS7000 Hybrid EcoFlex™ CS7000 B & CS7000 B EcoFlex™

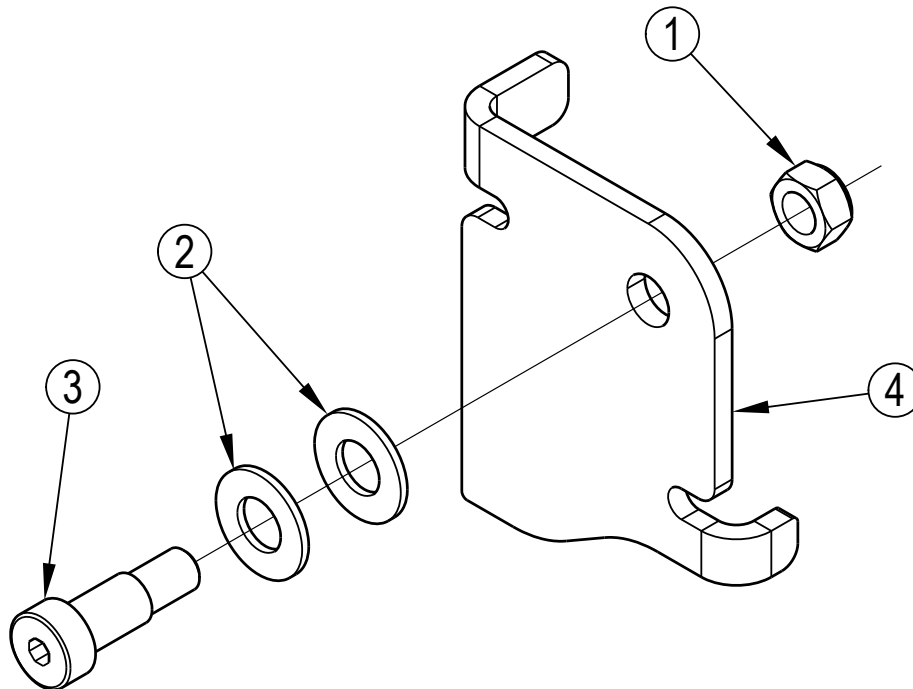
CONTENTS OF KIT

Item	Ref. No.	Qty	Description
[]	56090246	1	Instruction Sheet
1	56002851	1	Nut, Hex Nyl Loc-Thin SS 5/16-18
2	56002910	2	Wsh-Flt SAE SS 3/8
3	56003849	1	Scr-Soc Shd SS .38 X .62 X 5/16-18
4	56383961	1	Bracket-Squeegee Stop

[] = Not Shown

IMPORTANT TOOLS REQUIRED:

- Spring puller



INSTALLATION INSTRUCTIONS

WARNING!

LOWER THE SQUEEGEE TO THE FLOOR. TURN KEY SWITCH OFF, REMOVE KEY FROM MACHINE AND SET PARKING BRAKE BEFORE SERVICING.

REMOVE SQUEEGEE SUPPORT ASSEMBLY

- 1 **SEE FIGURES 1 & 2.** Disconnect the vacuum hose from the Squeegee (A). Remove the Squeegee (A) from the machine by loosening the squeegee clamp knobs.
- 2 Disconnect the two Extension Springs (B) from the Spring Hook Brackets (C) using a spring puller (see "IMPORTANT TOOLS REQUIRED:").
- 3 Remove the 3/4"-16 Screw (D) and washer holding the Squeegee Support Assembly (E) to the Rod End (F). Then carefully remove the Squeegee Support Assembly (E) from the machine.

DISCONNECT SQUEEGEE LIFT ARM

- 4 **SEE FIGURE 1.** Remove Retaining Ring (G), washers and Clevis Pin (H) to disconnect the Squeegee Lift Actuator (I) from the Squeegee Lift Arm (J). NOTE: Some earlier models used a cotter pin instead of a retaining ring.
- 5 Remove Shoulder Bolt (K), Nut (L) and Washers (M) from the machine chassis mounting hole. There is a Flange Bearing (N) between the chassis and the Squeegee Lift Arm (J) do not lose it.

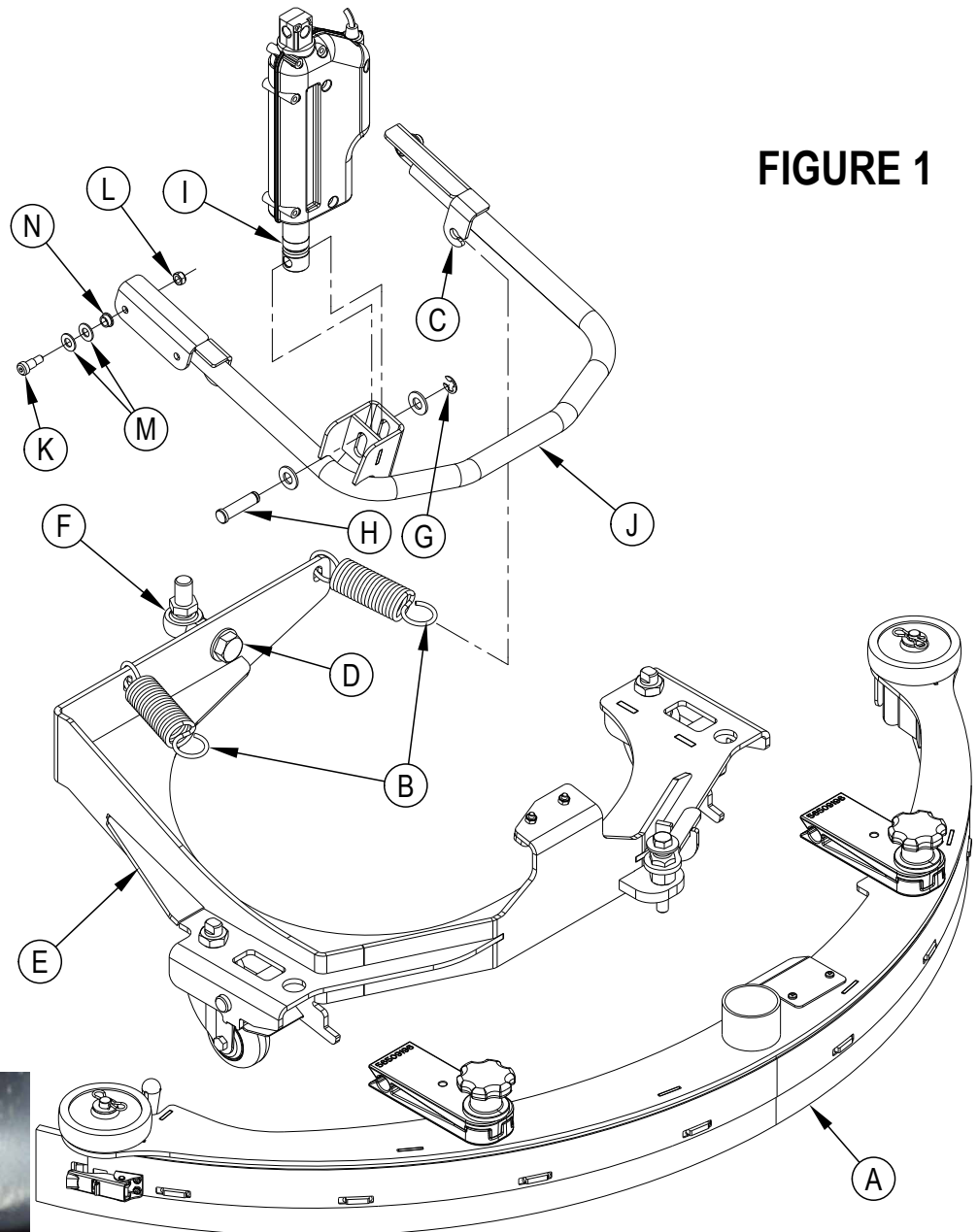


FIGURE 1

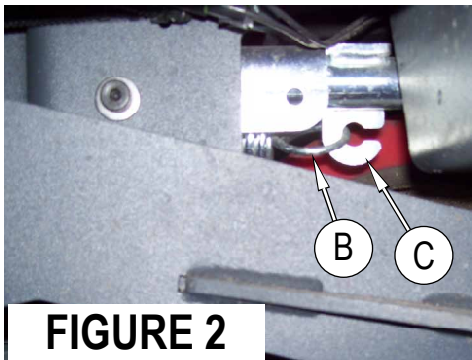


FIGURE 2

INSTALL SQUEEGEE STOP BRACKET AND REASSEMBLE SQUEEGEE SYSTEM

- 6 **SEE FIGURES 3 & 4.** Install new longer Shoulder Bolt (3), Washers (2), Squeegee Stop Bracket (4) and Nut (1) to mount the squeegee lift arm to the chassis. Be sure the Flange Bearing (N) is between the chassis and the Squeegee Lift Arm (J) as shown.
- 7 Reconnect squeegee lift actuator to the squeegee actuator lift arm, by following step 5 in reverse.
- 8 Reassemble squeegee support assembly to the machine by following steps 2 and 3 in reverse order. NOTE: Use removable Loctite thread sealer when reinstalling the Screw (D). Tighten to 270 ft/lbs.
- 9 Reinstall the squeegee to machine and connect squeegee hose to complete installation.

FIGURE 3

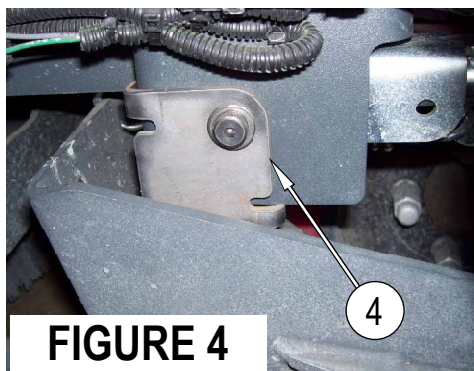
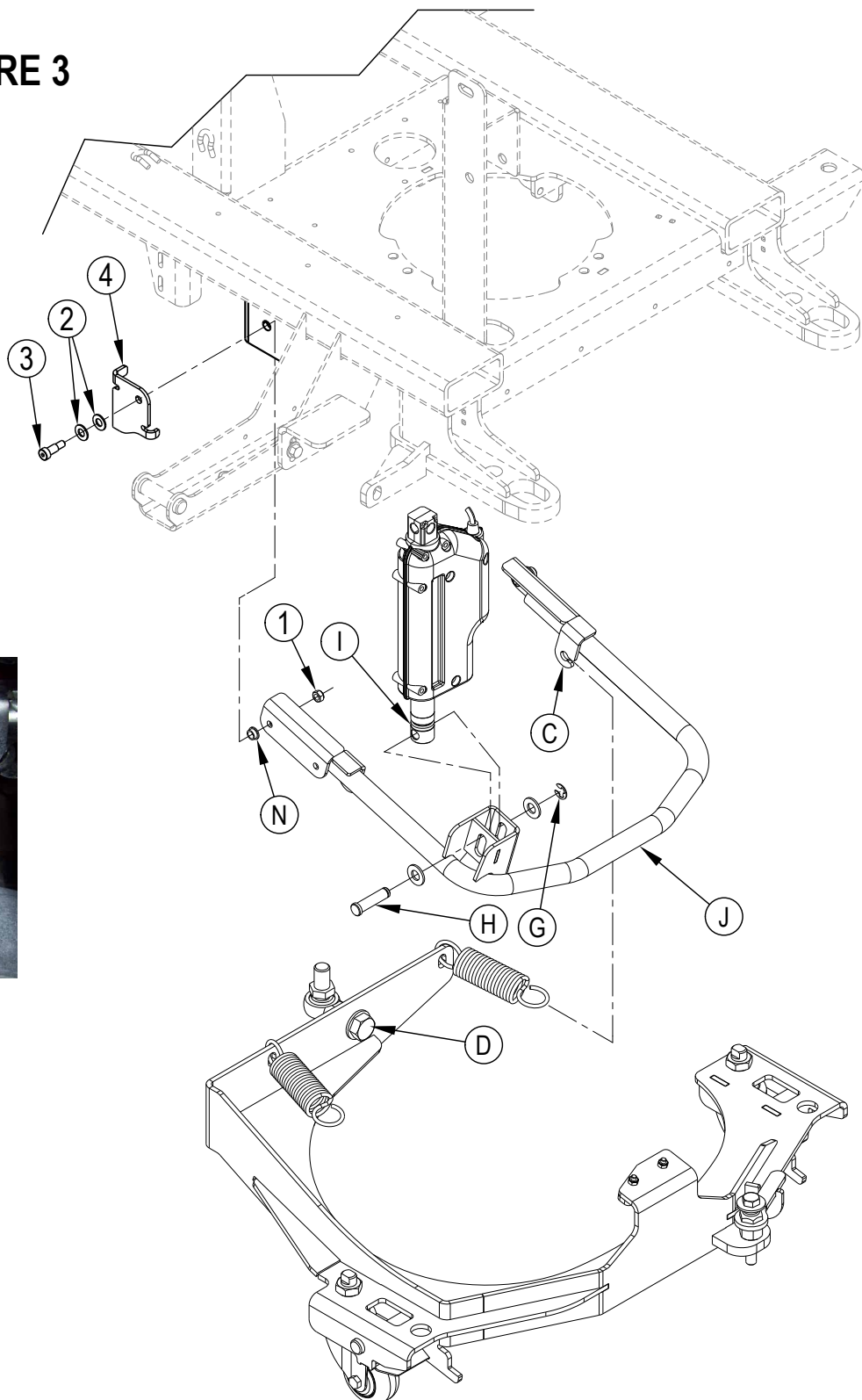


FIGURE 4