

2.0 Exhaust Mounting Straps

Date: October 05, 2021
Bulletin Name: FDM-SVC-012
Model: Oshkosh S-Series
Units Affected: 2.0 Front Discharge Mixers
 VIN 788727 - 814660

Purpose:

This bulletin provides instruction for installing new exhaust mounting straps. Field reports of failed exhaust mounting straps led to testing and redesign of the strap mounting hardware.

Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

WARNING

Exhaust system components get extremely hot. Do not repair exhaust system when hot. Failure to comply could result in serious personal injury.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

Tools and Equipment Required:

Customer to supply:

- Hand tools
- Torque Wrenches (foot pounds and inch pounds)

Parts Required:

Strap A000N426 replaces the middle or bottom exhaust mounting strap, see Figure 4. If both the middle and bottom straps need replacing, two A000N426 straps need to be ordered.

Strap A000N549 replaces the top exhaust mounting strap, see Figure 1.

Item	Part Number	Description	Qty.
MIDDLE/BOTTOM EXHAUST STRAP MOUNTING			
1	A000N426	STRAP,EXH MTG,WLDMT	1
2	A000W352	WASH,SPH .38X.88X.25,MB	2
3	A000A690	NUT,FLG,LKDT .38-16 G8 MB	2
TOP EXHAUST STRAP MOUNTING			
1	A000N549	STRAP,TOP,EXH MTG,WLDMT	1
2	A000W352	WASH,SPH .38X.88X.25,MB	2
3	A000A690	NUT,FLG,LKDT .38-16 G8 MB	2

Procedure:

Lockout/Tagout

1. Place unit on a flat surface, engage parking brake, chock truck tires, and perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.
2. The vehicle's BATTERY DISCONNECT switch is located on the left-hand side of the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.
 - a. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).
 - b. Install the safety lockout device ring (Figure B, Item 1) through the holes on the battery disconnect switch and the bracket.
 - c. Install a padlock (Figure B, Item 2) onto the safety lockout device ring, lock it, and put the key in your pocket. If more than one person is working on the vehicle, each person must install his or her own padlock.

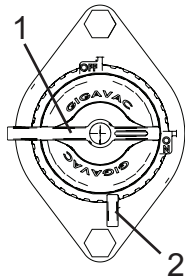


Figure A

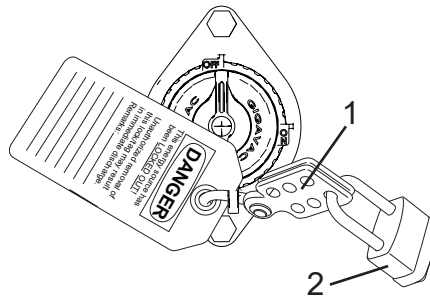
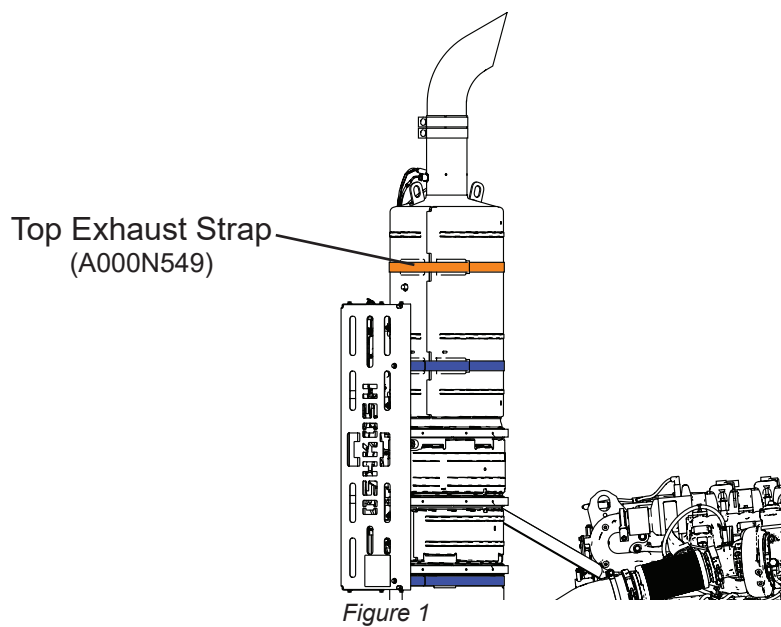


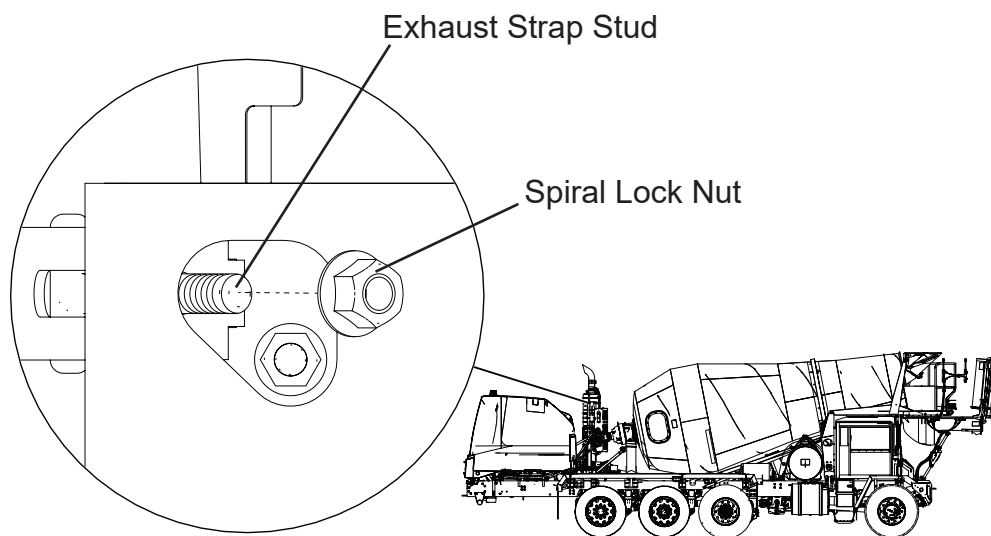
Figure B

3. Use an infrared thermometer and take temperature of exhaust aftertreatment system . Do not replace exhaust strap(s) until system temperature is below 100° F.

Top Exhaust Strap Installation



4. Remove spiral lock nuts and exhaust strap from top mounting location. See Figure 2. Spiral lock nuts will not be reused.



5. Install new top exhaust strap (A000N549) around exhaust can.

NOTE

The convex and concave pieces of the two-piece washer nest together when installed.

6. Install two-piece washers (A000W352) on exhaust strap studs against mounting plates installed in Step 5, see Figure 3. Install flat side of the concave piece against exhaust strap mounting plate. Install flat side of the convex piece away from the exhaust strap mounting plate, see Figure 3.
7. Install spiral lock nuts (A000A690) on exhaust strap studs, see Figure 3. Tighten both spiral lock nuts evenly so equal amounts of stud threads protrude. Final tighten spiral lock nuts to 14 ft. lbs.

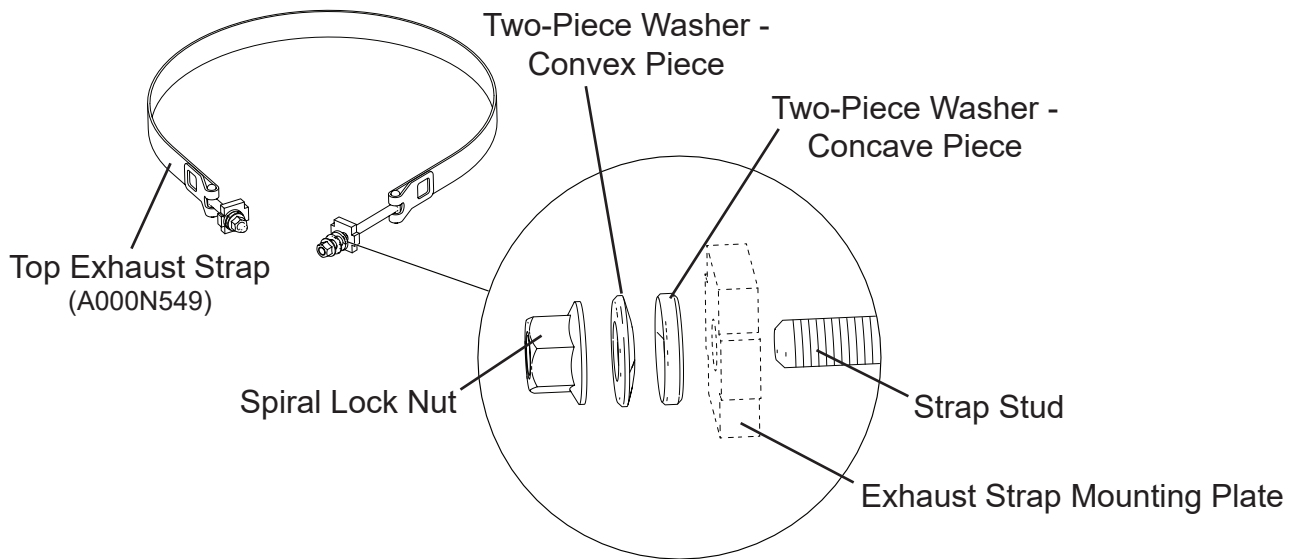


Figure 3

8. Proceed to Step 16.

Middle and Bottom Exhaust Strap Installation

Removal and installation of the middle and bottom exhaust straps is the same.

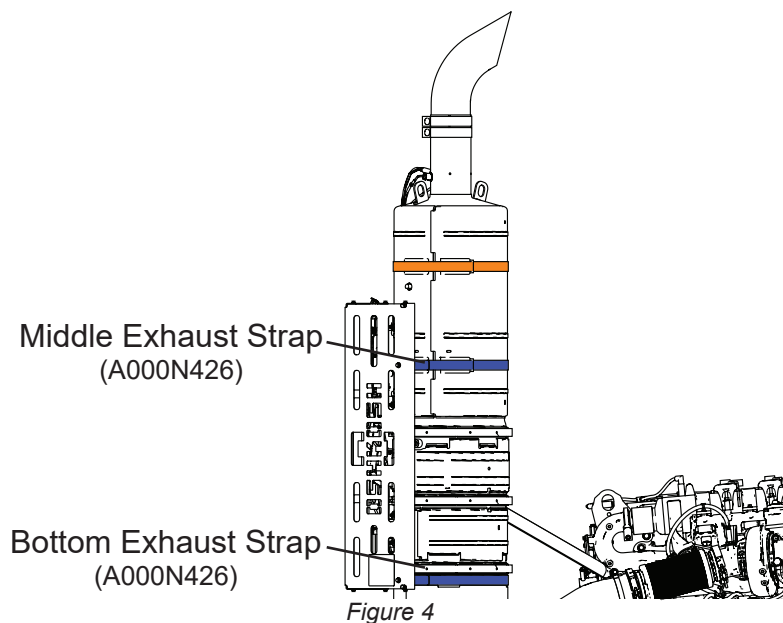


Figure 4

9. Remove the flange screw, flat washer, and lock nut securing the aftertreatment shield to the exhaust strap mounting bracket, see Figure 5.

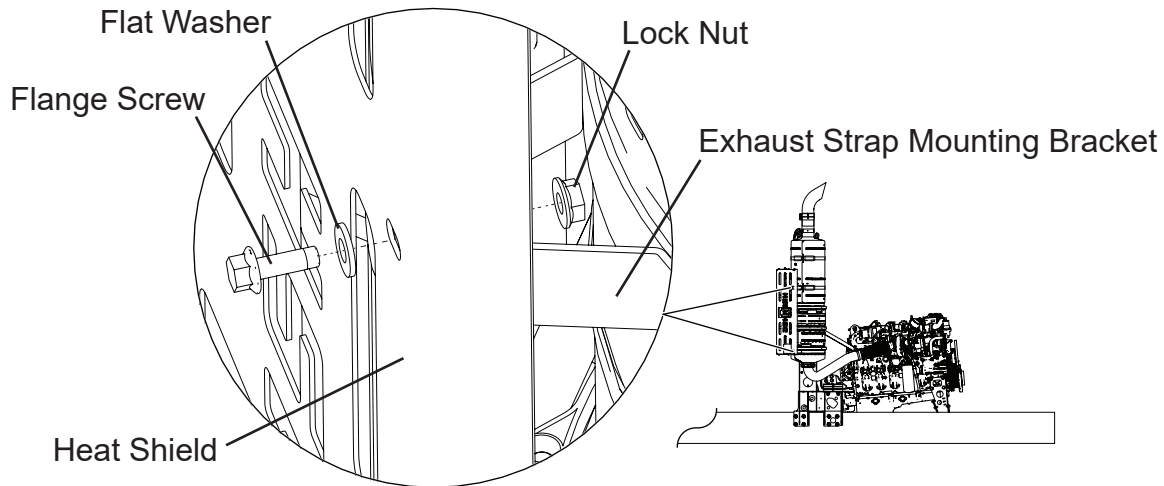


Figure 5

10. Remove spiral lock nuts and exhaust strap from mounting location. See Figure 6. Spiral lock nuts will not be reused.

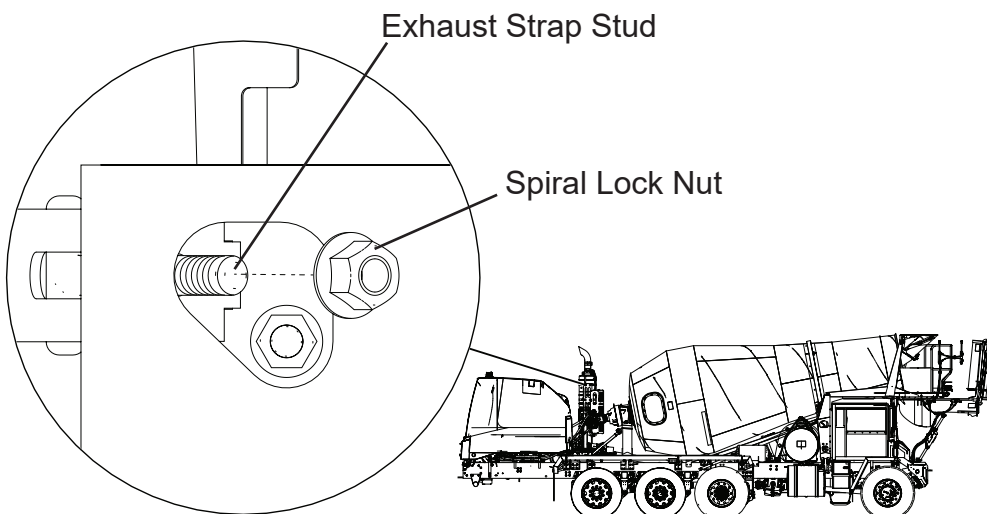


Figure 6

11. Install new middle or bottom exhaust strap (A000N426) around exhaust can.

12. Reinstall the flange screw, flat washer and lock nut removed in Step 9 to secure the aftertreatment shield to the exhaust strap mounting bracket. Do not final tighten mounting hardware.

NOTE

The convex and concave pieces of the two-piece washer nest together when installed.

13. Install two-piece washers (A000W352) on exhaust strap studs against mounting plates, see Figure 7. Install flat side of the concave piece against exhaust strap mounting plate. Install flat side of the convex piece away from the exhaust strap mounting plate, see Figure 7.
14. Install spiral lock nuts (A000A690) on exhaust strap studs, see Figure 7. Tighten both spiral lock nuts evenly so equal amounts of stud threads protrude. Final tighten spiral lock nuts to 14 ft. lbs.

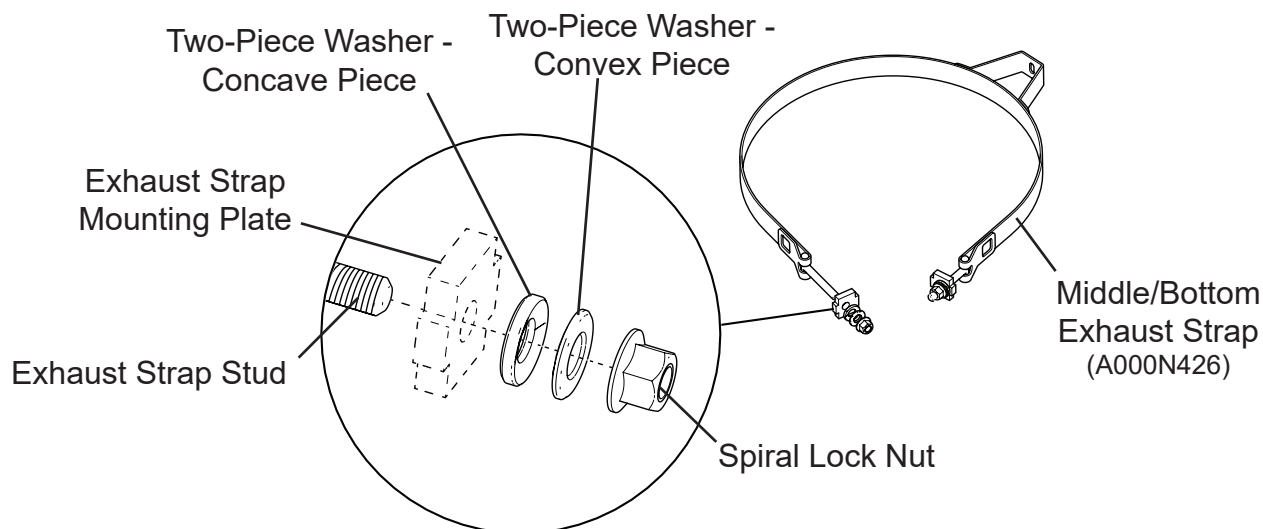


Figure 7

15. Final tighten exhaust shield mounting hardware installed in Step 12 to 65 in. lbs.
16. Remove lockout/tagout and tire chocks.

Continuous Improvement:

The change included in this document is part of the McNeilus Continuous Improvement Process.

McNeilus's quality policy is providing customer satisfaction through innovative products, dedicated service, and a constant focus on continuous improvement.



(888) 686-7278

www.streetsmartparts.com