



An Oshkosh Corporation Company

ES Scissors Kick Plate Reinforcement Kit Instruction

3125331

For Kit 1001239166 & 1001238257

These instructions describe the reinforcement of rails on extension decks.

Read these instructions thoroughly before beginning the procedure.



Use all applicable safety precautions while working on, around, or under any machinery.

REVISION LOG

- A - February 2018

MODELS AFFECTED

- 1930ES (SN 0200239382 to Present, SN B200020297 to Present, SN M200000100 to Present, SN 1200025021 to Present)
- 2032ES/2632ES
- 2646ES/3264ES (SN 0200239382 to Present, SN B200020297 to Present, SN M200000100 to Present, SN 1200025021 to Present)

REQUIRED TOOLS

- Standard mechanic's tools
- Standard welder's tools
- Hand-held power grinder
- AWS 70 grade, low hydrogen rod or wire
- Primer and Paint (JLG Orange or equal)

REQUIRED PERSONNEL

- Qualified Equipment Mechanic
- Certified welder in accordance with AWS D1.1:2010 structural steel welding code or another comparable welding code

PROHIBITED OPTIONS/ITEMS

- None

REQUIRED OPTIONS/ITEMS

- None

WELD REPAIR GUIDELINES

Refer to the guidelines to perform welding procedure.

- All welding must be in strict accordance with EN ISO 1560, ANSI/AWS D1.1, or equivalent Australian standards, as required by applicable standards for aerial work platforms.
- Disconnect the battery of the machine being updated prior to welding.
- Ground only to the component being welded. Do not ground to any adjacent component or allow pins, wear pads, wire ropes, bearings, gears, seals, valves, electrical wiring, or hoses to be between the grounding position and the area to be welded.
- Failure to comply with the above weld repair guidelines may result in component damage.
- All welds must be completed with AWS 70 grade low hydrogen rod or wire.

PARTS LIST

Verify kit contents and inspect for damage.

FOR 1930ES/2032ES/2632ES (1001239166)

| Item | Part Number | Description | Qty |
|------|-------------|---------------------------------------|-----|
| 1 | 0701019 | Bolt, CLS 8.8 PRT THD M10 x 55 LG | 4 |
| 2 | 3291006 | Nut, Domed Cap M10 x 1.5 Self Locking | 4 |
| 3 | 4812002 | Washer, 10 MM LG OD | 8 |
| 4 | 1001232100 | Plate, Rail Pocket | 1 |
| 5 | 1001232099 | Plate, Rail Pocket | 1 |
| 6 | 1001239178 | Plate, Doubler | 2 |

FOR 2646ES/3246ES (1001238257)

| Item | Part Number | Description | Qty |
|------|-------------|---------------------------------------|-----|
| 1 | 0701019 | Bolt, CLS 8.8 PRT THD M10 x 55 LG | 4 |
| 2 | 3291006 | Nut, Domed Cap M10 x 1.5 Self Locking | 4 |
| 3 | 4812002 | Washer, 10 MM LG OD | 8 |
| 4 | 1001232101 | Plate, Rail Pocket | 1 |
| 5 | 1001232102 | Plate, Rail Pocket | 1 |
| 6 | 1001238258 | Plate, Doubler | 2 |

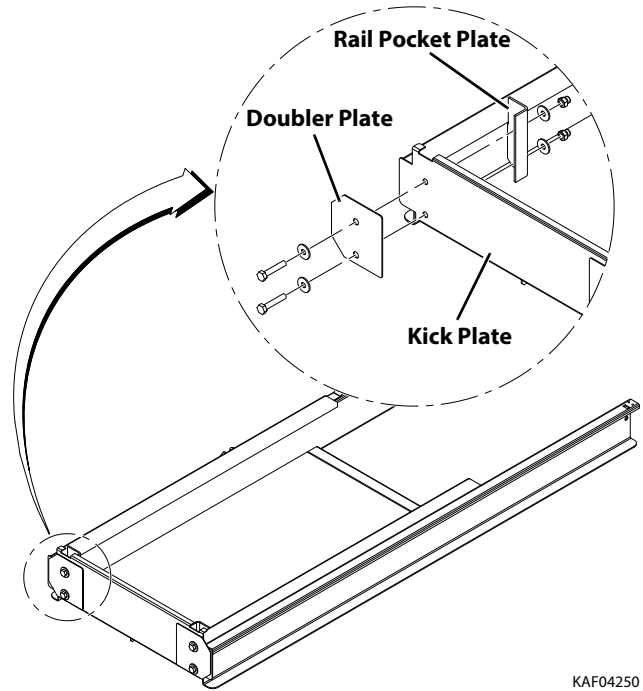
Note: Parts installed on machine are indicated numerically (1, 2, 3, 4, etc.). Parts referenced on or removed from machine are indicated alphabetically (A, B, C... AA, AB, AC, etc.).

MACHINE PREPARATION

1. Park machine on a firm level surface and fully lower the scissor arms.
2. Disconnect battery power from the machine and remove the key.

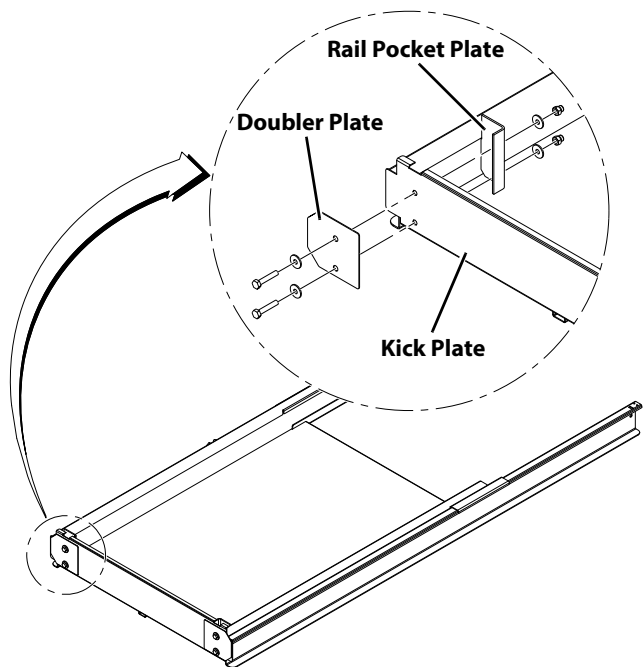
INSTALLATION PROCEDURE

FOR 1930ES/2032ES/2632ES (1001239166)



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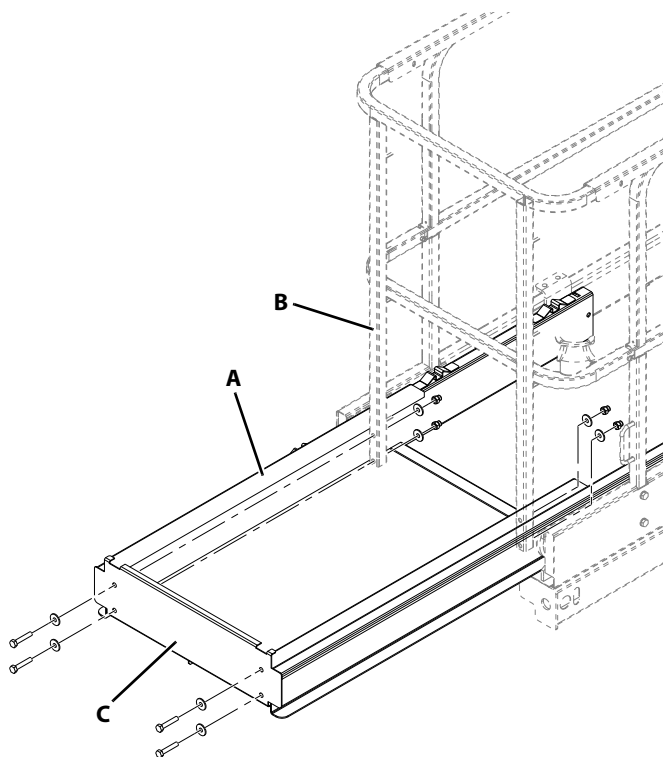
Figure 1. Component Identification
FOR 2646ES/3246ES (1001238257)



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Figure 2. Component Identification

FOR 1930ES/2032ES/2632ES (1001239166)

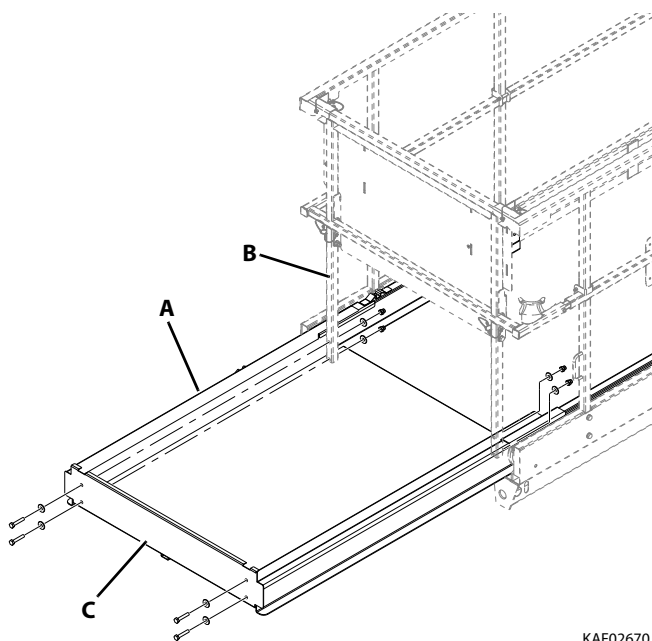


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Figure 3

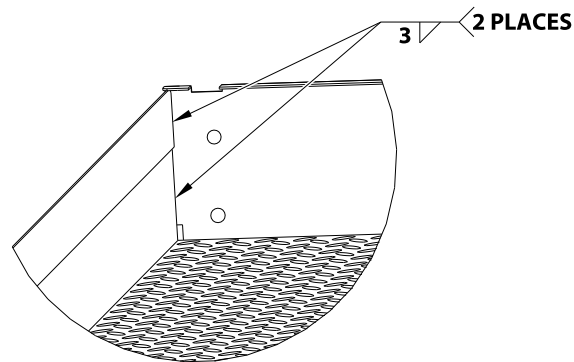
1. Remove and discard existing hardware securing extension deck (A) to the platform rails (B).
2. Fully extend platform extension deck (A).
3. Remove all foreign matter (i.e. dirt, grease, rust, paint, etc.) from repair area on front kick plate (C).
4. Repair damaged kick plate if the criteria below are satisfied.
 - The crack must be in the base metal of the kick plate.
 - The crack must be less than 120mm long.
 - The kick plate must be flat within 2mm in the area the doubler plate is covering including the area the weld around the doubler plate is covering.
 - The crack must be less than 2mm wide after flattening.
 - The crack must be entirely covered by the doubler plate.
 - The crack must be able to be fixed by weld and ground flush on side that the doubler plate is covering.
 - Broken welds in the area shown in Figure 5 may be ground off and re-welded.
5. If criteria above are not satisfied, the extension deck must be replaced.

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Figure 4



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Figure 5

FOR 1930ES/2032ES/2632ES (1001239166)

FOR 2646ES/3246ES (1001238257)

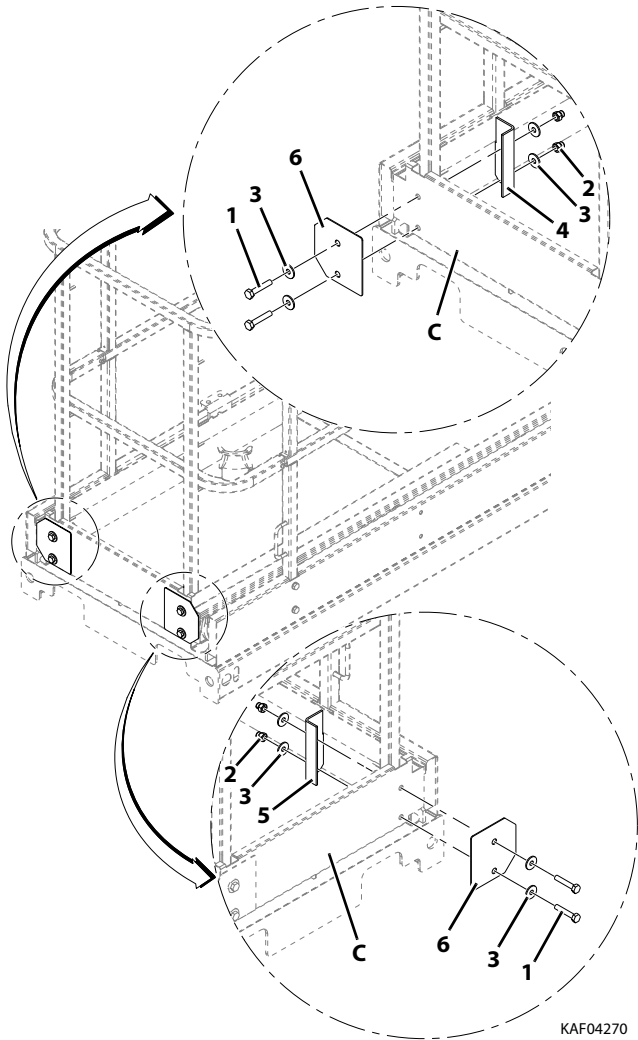


Figure 6

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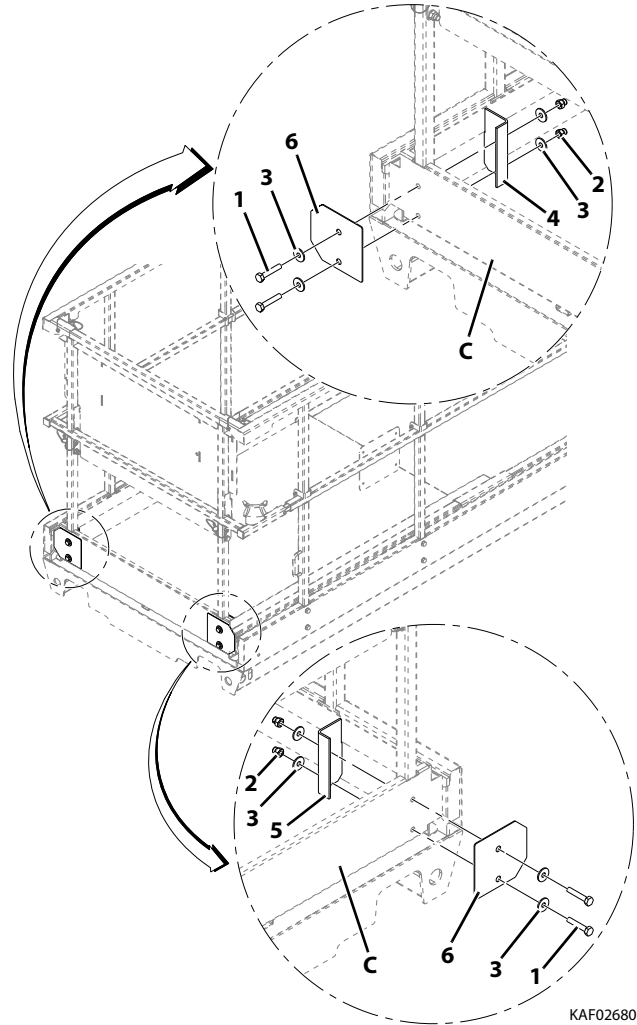


Figure 7

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- 6. Fully retract extension deck (A).
- 7. Align and install Rail Pocket Plate (4) and Doublor Plate (6) onto the front kick plate (C). Secure using two Bolts (1), relevant Washers (3) and Nuts (2).

Note: Torque Bolts (1) to 25 ft.lbs. (33.9 Nm).

Note: Use additional clamps to secure plates if required.

- 8. Repeat above step for installation of the Rail Pocket Plate (5) and Doublor Plate (6) to the other side of front kick plate (C).

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FOR 2646ES/3246ES (1001238257)

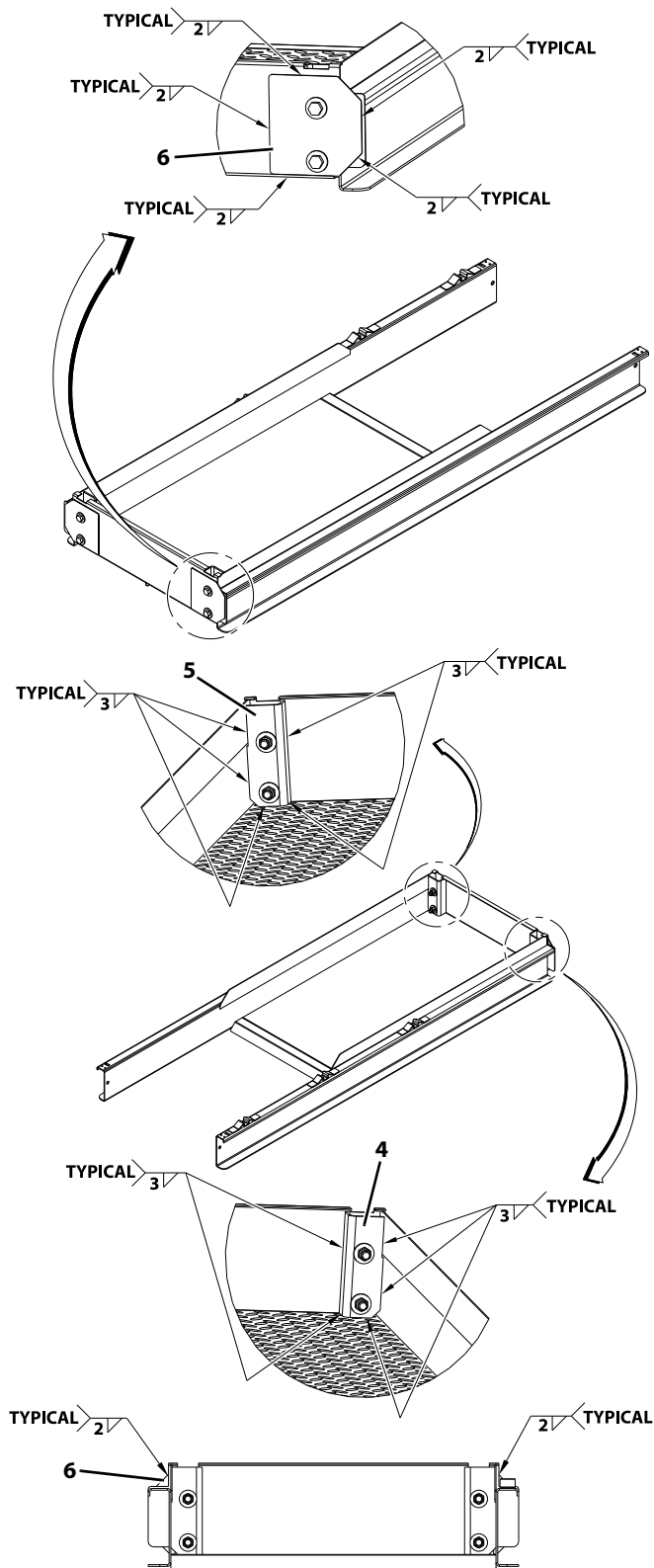


Figure 8

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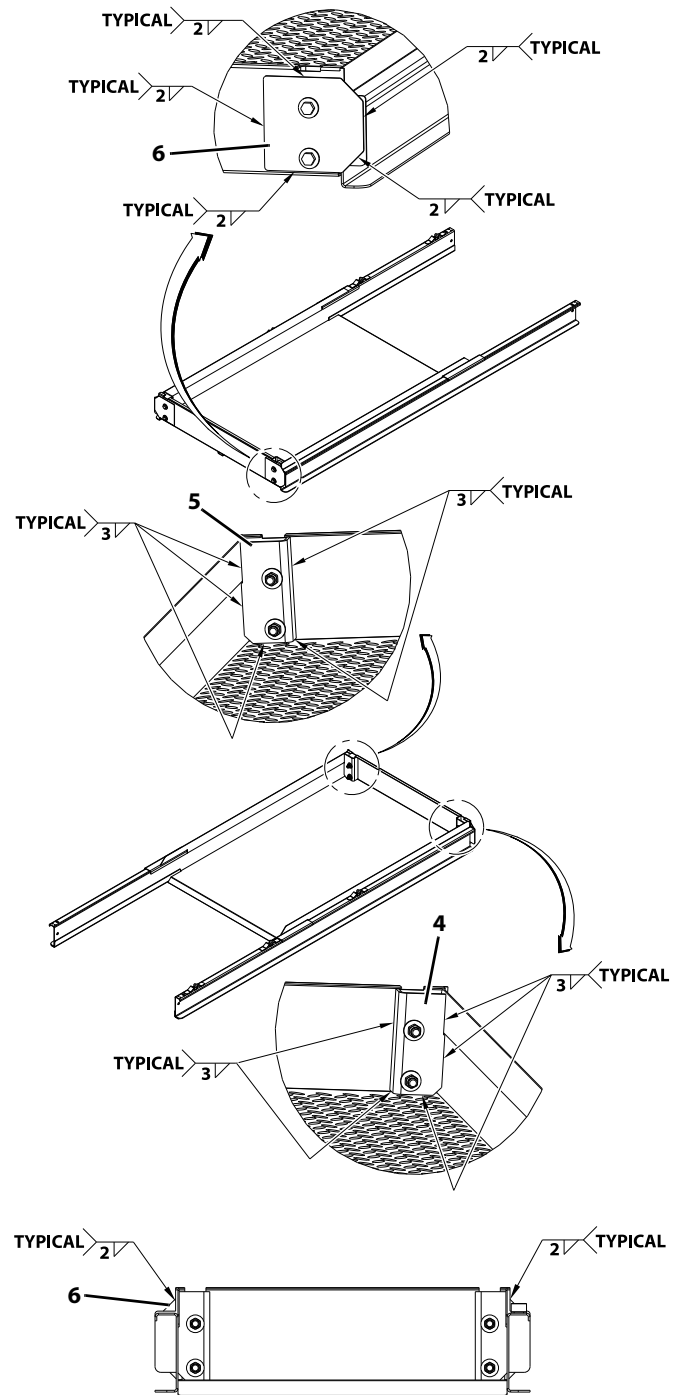


Figure 9

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9. Remove all foreign matter (i.e. dirt, grease, rust, paint, etc.) from repair area.
10. Prepare the affected areas for welding. Perform single fillet weld with a length of 3mm on the edges of Rail Pocket Plate **(4)** & **(5)**.
11. Perform single fillet weld with a length of 2mm on the edges of Doubler Plates **(6)**.
12. After allowing the welds to cool, inspect the welds using Mag Particle or Liquid Dye Penetrant testing to ensure there are no cracks, deformities or non penetrating welds. If they do exist, grind to remove the affected welds and repeat the weld and inspection procedures.
13. Clean, prime and paint the affected areas.
14. Reconnect battery power to the machine and replace the key.
15. Start machine and verify for proper operation of the extension deck.