

D, D1, FD, and FD1 Series Draper Headers Knife Cutout Cover Kit (MD #220100, 220101, 220102, and 220103) Installation Instructions

The Knife Cutout Cover Kits are designed to prevent crop from plugging at the header end panels, which may occur in some harvesting conditions.

IMPORTANT: If operating on the ground in damp or muddy conditions, it is recommended that the covers be removed to avoid damage to the knife drive components. If operating in these conditions where the covers are required to prevent crop build up, inspect the area frequently and clean the area as required.

A list of parts included in the kit is provided.

NOTE: Keep your MacDon publications up-to-date. The most current version of this instruction can be downloaded from our Dealer-only site (<https://portal.macdon.com>) (login required).

NOTE: This document is available in English only.

Installation Time

Installation time for this kit is approximately one hour.

Conventions

The following conventions are used in this document:

- Right and left are determined from the operator’s position, facing forward. The front of the header is the side that faces the crop.
- Unless otherwise noted, use the standard torque values provided in the header operator’s manual and technical manual.

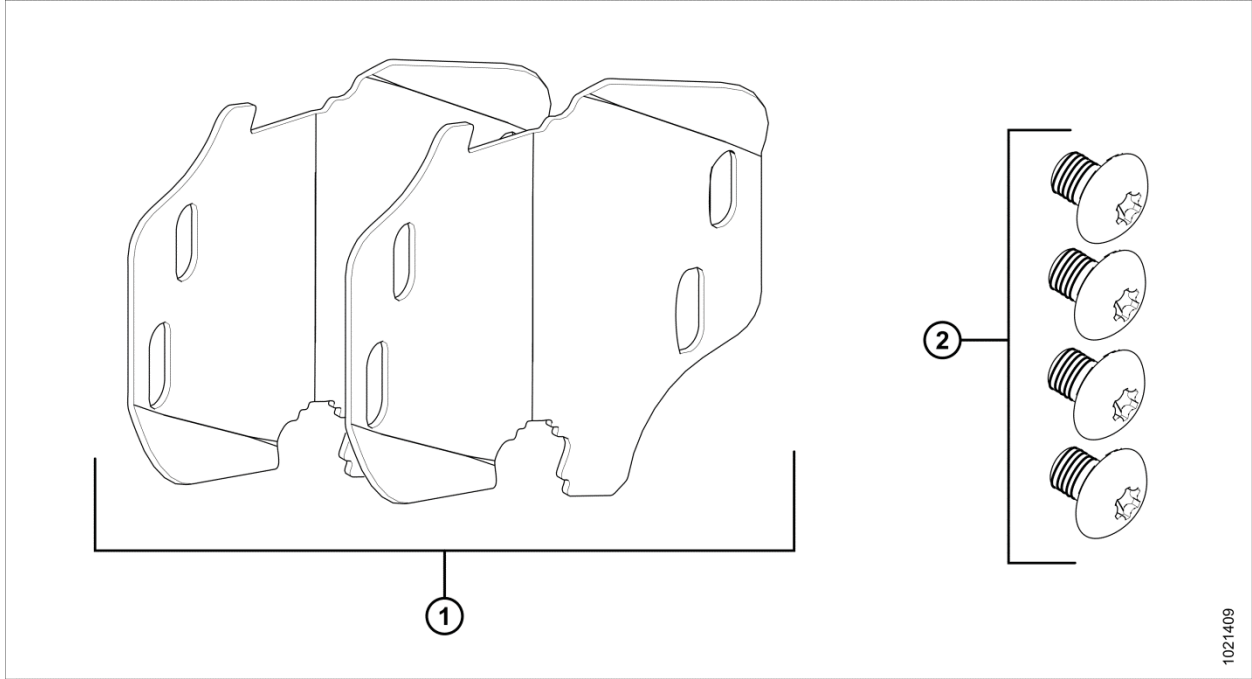
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Parts List

Kits are available in four configurations and include the following parts:



Ref	Part Number	Description	Quantity
	220103	KIT – COVER, KNIFE CUTOUT 9.1 M (30 FT.) AND LARGER¹	
1	NSS ²	COVER – KNIFE CUTOUT 9.1 M (30 FT.) AND LARGER	2
2	105137	SCREW – MACHINE	4
	220102	KIT – COVER, KNIFE CUTOUT 7.6 M (25 FT.) AND SMALLER³	
1	NSS ²	COVER – KNIFE CUT OUT 7.6 M (25 FT.) AND SMALLER	2
2	105137	SCREW – MACHINE	4
	220101	KIT – COVER, KNIFE CUTOUT 9.1 M (30 FT.) AND LARGER⁴	
1	NSS ²	COVER – KNIFE CUTOUT 9.1 M (30 FT.) AND LARGER	2
2	105137	SCREW – MACHINE	4
	220100	KIT – COVER, KNIFE CUTOUT 7.6 M (25 FT.) AND SMALLER⁵	
1	NSS ²	COVER – KNIFE CUTOUT 7.6 M (25 FT.) AND SMALLER	2
2	105137	SCREW – MACHINE	4

1. Stub guards and sheet metal hold-downs
2. Not sold separately
3. Stub guards and sheet metal hold-downs
4. Pointed guards and stub guards with forged hold-downs
5. Pointed guards and stub guards with forged hold-downs

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To install the Knife Cutout Cover kit, follow these steps:



WARNING

To avoid bodily injury or death from unexpected start-up, stop engine, and remove key before leaving operator's seat for any reason.



CAUTION

Knives have two cutting edges. Exercise caution when working around the blades. Blades are sharp and can cause serious injury. Wear gloves when handling blades.

Stub Guard with Forged Hold-Downs

NOTE: The knife cover shown in illustrations is specifically for the 9.1 m (30 ft.) and wider headers. The cover for the 7.6 m (25 ft.) and narrower draper header look slightly different, but installation instructions remain the same.

1. Lower header to the ground and remove the key from the ignition.
2. Bend cover (D) at center slit (A) to form to header left end panel.

NOTE: Top slit (B) remains flat in this application.

3. Install cover at left end panel using machine screws (C) as shown.

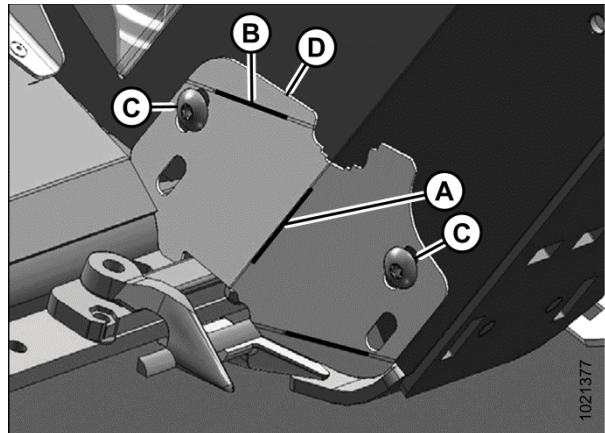


Figure 1: Stub Guard with Forged Hold-Downs

4. Bend the front lower lip of cover (D) at slit (A) to bring lower edge (B) flush against forged hold-down (E) as shown.

NOTE: Any gaps at (B) will tend to pinch crop and create plugging (crop hesitation) at that location.

5. Ensure that lower edge of shield is 2–3 mm (1/16–1/8 in.) (C) higher than cutting edge of the forged hold-down as shown.
6. Repeat Steps 1 to 5 at right end, reversing bends on cover to form to right end panel.

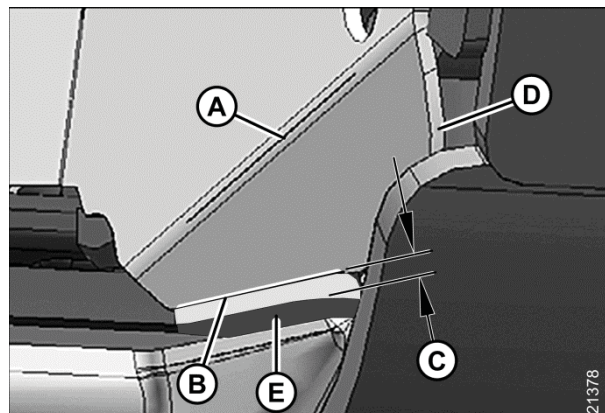


Figure 2: Stub Guard with Forged Hold-Downs

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Stub Guard with Sheet Metal Hold-Down – Knifehead Location

NOTE: The knife cover shown in the illustrations below is for 9.1 m (30 ft.) and wider headers. The cover for 7.6 m (25 ft.) and narrower headers looks slightly different, but installation instructions are the same.

1. Lower header to the ground and remove the key from the ignition.
2. Install cover (A) at left end panel as shown.
3. Bend cover at center slit (C) to form to header end panel and secure with screws provided.

NOTE: Top slit (B) remains flat in this application.

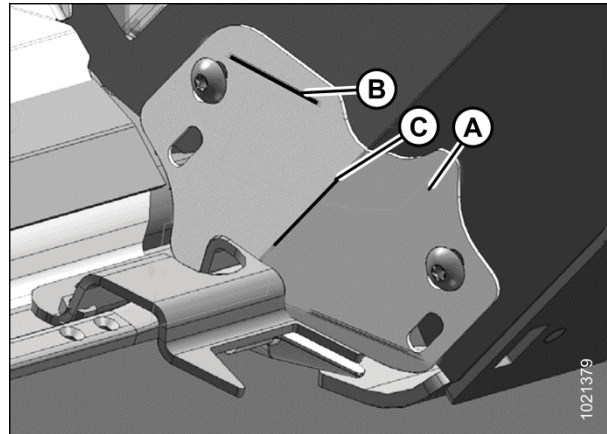


Figure 3: Stub Guard with Sheet Metal Hold-Down

4. Bend front lower lip of cover (A) at slit (B) to bring lower edge flush against top surface of sheet metal hold-down at location (C) as shown.

NOTE: Any gaps at location (C) will tend to pinch crop and create plugging (crop hesitation) at that location.

5. Ensure that 1–2mm (1/32–1/16 in.) (D) of hold-down top surface is exposed inboard of lower shield lip as shown. For headers that have double-knife drives, repeat Steps 1–4, reversing bends.

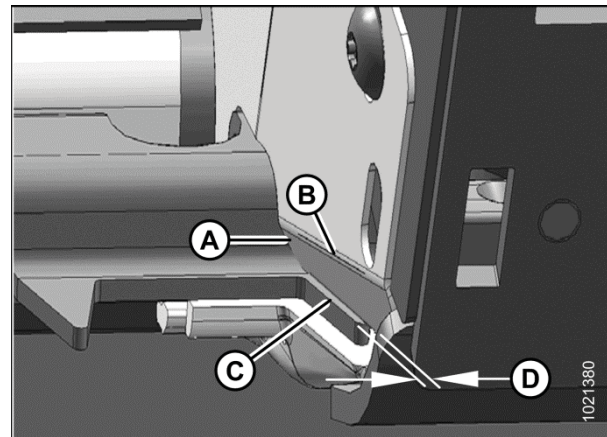


Figure 4: Stub Guard with Sheet Metal Hold-Down

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Stub Guard with Sheet Metal Hold-Down – Right Side of Single-Knife Headers

NOTE: The cover shown in the illustrations below is for 9.1 m (30 ft.) and wider headers. The cover for 7.6 m (25 ft.) and narrower header is slightly different, but installation instructions are the same.

1. Lower header to the ground and remove the key from the ignition.
2. Install cover (C) at right end panel as shown.
3. Bend cover at center slit (A) to form to header end panel and secure with screws provided.

NOTE: Top slit (B) remains flat in this application.

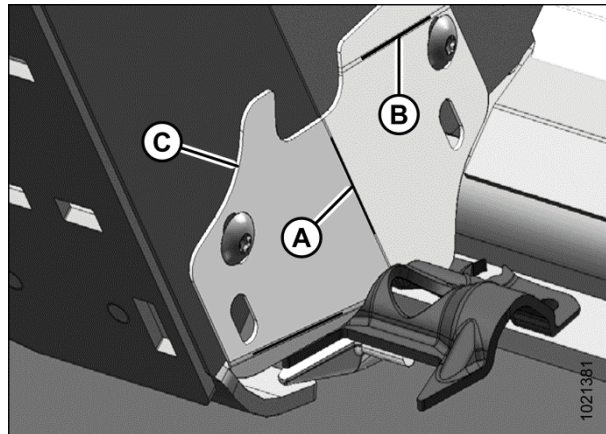


Figure 5: Stub Guard with Sheet Metal Hold-Down

4. Bend front lower lip of cover (A) at slit (B) to bring lower edge flush against top surface of sheet metal hold-down at location (C) as shown.

NOTE: Any gaps at location (C) will tend to pinch crop and create plugging (crop hesitation) at that location.

5. Ensure that 1–2 mm (1/32–1/16 in.) (D) of hold-down top surface is exposed inboard of lower shield lip as shown.

NOTE: Knife section not shown for clarity.

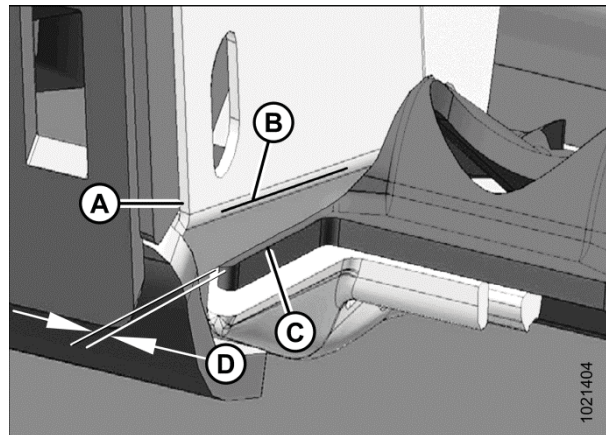


Figure 6: Stub Guard with Sheet Metal Hold-Down

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Regular Pointed Guards with No Hold-Down at End Panel – Left Side

NOTE: The cover shown in the illustrations below is for 9.1 m (30 ft.) and wider headers. The cover for 7.6 m (25 ft.) and narrower headers looks slightly different, but installation instructions are the same.

1. Lower header to the ground and remove the key from the ignition.
2. Install cover (A) at left end panel as shown.
3. Bend cover at center slit (C) to form to header end panel and secure with screws provided.

NOTE: Top slit (B) remains flat in this application.

4. Bend front lower lip of cover at slit (D) to bring lower edge to within 1–2 mm (1/32–1/16 in.) (E) of knife section (vertical measurement).

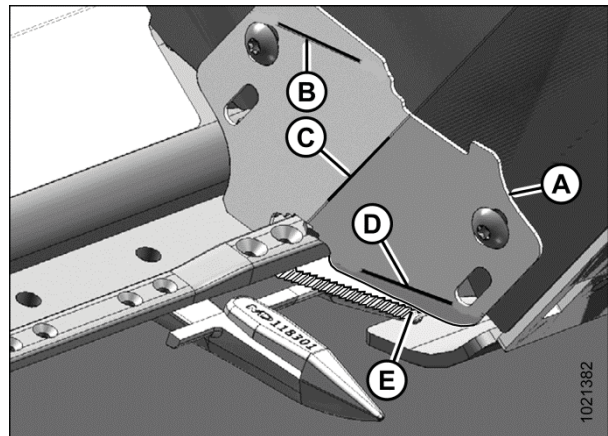


Figure 6: Regular Pointed Guards – Left

5. Ensure that 3–4 mm (3/32–1/8 in.) (A) of guard cutting edge is exposed inboard of lower shield lip (as shown) to prevent the knife drawing in and pinching crop under cover.

NOTE: Knife section not shown for clarity.

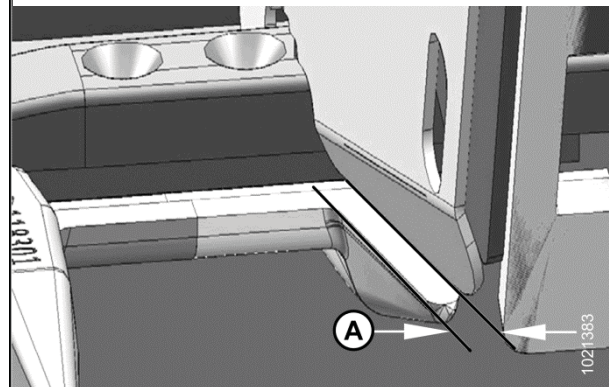


Figure 7: Regular Pointed Guards – Left

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Regular Pointed Guards with No Hold-Down at End Panel – Right Side

NOTE: Cover shown in the illustrations below is for 7.6 m (25 ft.) and narrower headers. Cover for 9.1 m (30 ft.) and wider headers looks slightly different, but installation instructions are the same.

1. Lower header to the ground and remove the key from the ignition.
2. Install cover (A) at right end panel as shown.
3. Bend cover at center slit (C) to form to header end panel and secure with screws provided.
4. **NOTE:** Top slit (B) remains flat in this application.
5. Bend front lower lip of cover at slit (D) to bring edge to within 1–2 mm (1/32–1/16 in.) (E) of knife section.

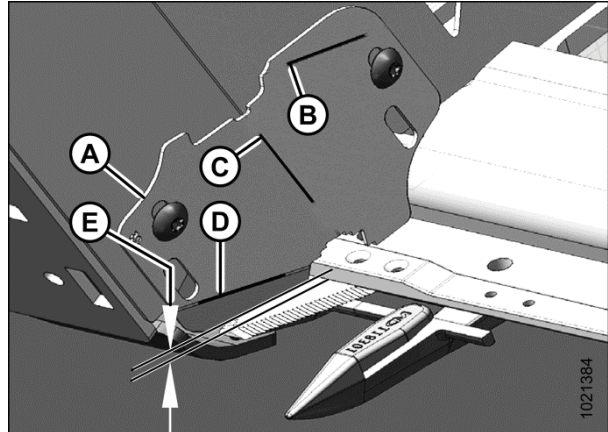


Figure 8: Double-Knife Header

6. Ensure that (A) 3–4 mm (3/32–1/8 in.) of guard cutting edge is exposed inboard of lower shield lip (as shown) to prevent the knife drawing in and pinching crop under cover.
7. **NOTE:** Knife section not shown for clarity.

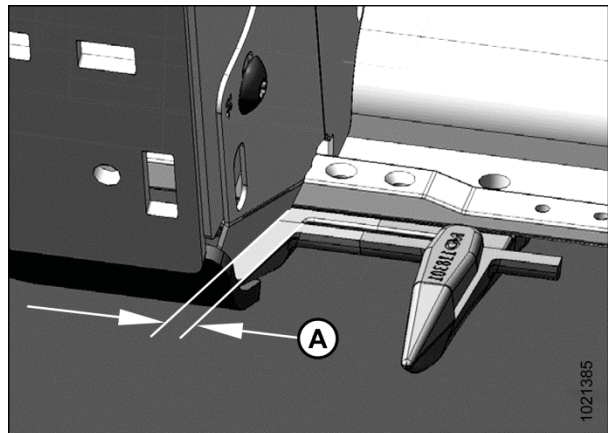


Figure 9: Double-Knife Header

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