

FM100 Float Module
FEED AUGER SOLID FINGER SERVICE KITS (MD #337152, 337507, and 337508)
INSTALLATION INSTRUCTIONS

These kits supply solid fingers for the FM100 feed auger and are intended for the following applications:

- Kit MD #337152 supplies one solid feed auger finger and finger guide. Use this kit to replace damaged solid fingers.
- Kit MD #337507 supplies 31 solid fingers and finger guides. Use this kit to convert all of the hollow fingers on a feed auger configured to operate as a wide or ultra-wide feeding system.

NOTE: A total of 30 fingers are recommended for wide or ultra-wide configurations. Installing the recommended number of fingers using kit MD #337507 will leave one finger unused.

- Kit MD #337508 supplies 23 solid fingers and finger guides. Use this kit to convert all of the hollow fingers on a feed auger configured to operate as an ultra-narrow, narrow, or medium feeding system.

NOTE: A total of 18 fingers are recommended for ultra-narrow and narrow configurations. Installing the recommended number of fingers using kit MD #337508 will leave five fingers unused.

NOTE: A total of 22 fingers are recommended for medium configurations. Installing the recommended number of fingers using kit MD #337508 will leave one finger unused.

NOTE: For more information about feed auger configurations, refer to the header operator's manual.

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 currently available in English only.

A list of parts included in the kit is provided.

Installation Time

- Kit MD #337152 will take approximately 15 minutes to install.
- Kit MD #337507 will take approximately 2.5 hours to install.
- Kit MD #337508 will take approximately 3.5 hours to install.

Conventions

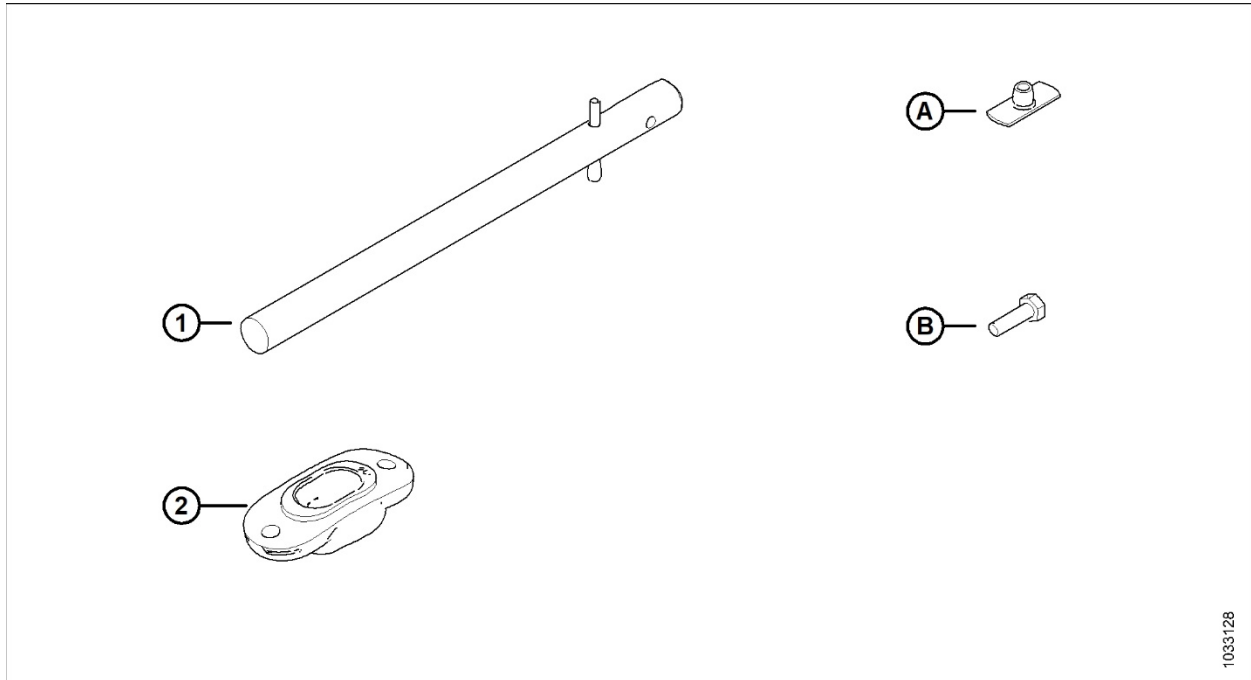
The following conventions are used in this document:

- Right and left are determined from the operator's position. The front of the header is the side that faces the crop; the back of the header is the side that connects to the combine.
- Unless otherwise noted, use the standard torque values provided in the header operator's manual and technical manual.

FM100 Float Module
FEED AUGER SOLID FINGER SERVICE KITS (MD #337152, 337507, and 337508)
INSTALLATION INSTRUCTIONS

Parts List

This kit includes the following parts:



Ref	Part Number	Description	Kit (MD #) - Quantity		
			337152	337507	337508
1	NSS ¹	FINGER, ASSEMBLY	1	31	23
2	337143	GUIDE	1	31	23
A	197263	NUT – TEE M6 X 1	—	10	10
B	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL -12.9 - AFOC	—	10	10

¹ Not sold separately. Service with kit MD #337152.

FM100 Float Module
FEED AUGER SOLID FINGER SERVICE KITS (MD #337152, 337507, and 337508)
INSTALLATION INSTRUCTIONS

Installation Instructions

To install the solid finger service kits, follow these steps:



DANGER

To avoid bodily injury or death from unexpected start-up or fall of raised machine, always stop engine, remove key, and engage safety props before going under machine for any reason.

1. Raise the reel.
2. Shut down the combine, and remove the key from the ignition.
3. Engage the reel safety props.
4. Remove bolts (A) and remove access cover (B) closest to the finger you are removing. Retain parts for installation.

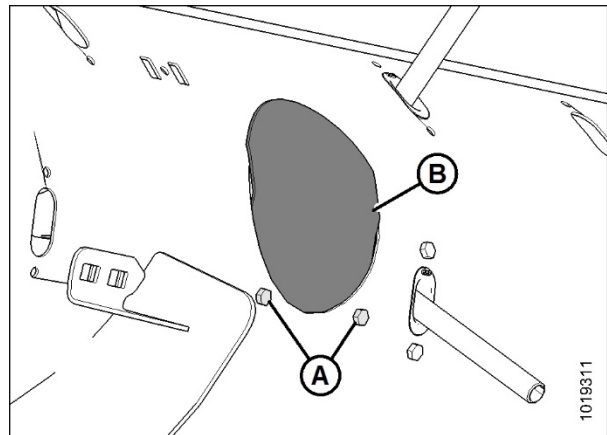


Figure 1: Auger Access Hole Cover

5. Remove hairpin (A) and pull finger (B) out of finger holder (C) and through guide (D). If the finger broke, remove any remnants from holder (C) and from inside the drum.

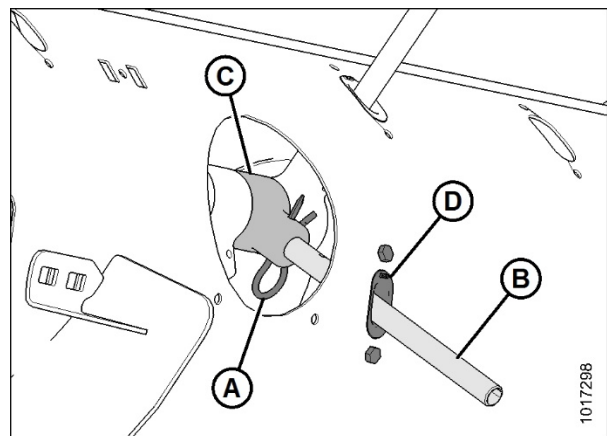


Figure 2: Hollow Auger Finger – Solid Finger is Similar

FM100 Float Module
FEED AUGER SOLID FINGER SERVICE KITS (MD #337152, 337507, and 337508)
INSTALLATION INSTRUCTIONS

- Remove and retain two bolts (A) and tee-nuts (not shown) from guide (B). Discard guide.

NOTE: Kits MD #337507 and MD #337508 supply 10 bolts (MD #252703) and tee-nuts (MD #197263) in case the retained hardware is damaged. Kit MD #337152 does not supply hardware.

- Coat bolts (A) with medium-strength threadlocker (Loctite® 243 or equivalent).
- Insert a **NEW** guide (B) (MD #337143) from inside the auger and secure it with bolts (A) and tee nuts (not shown). Torque bolts to 9 Nm (80 lbf-in).

IMPORTANT: Always install a new guide when replacing a solid finger.

- Insert solid finger (A) through guide (B) and into holder (C).
- Secure the finger by inserting hairpin (D) into the holder. Make sure the round end (S-shaped side) of the hairpin faces the chain drive side of the auger. Make sure the closed end of the hairpin points in the direction of auger-forward rotation.

IMPORTANT: Position the hairpin correctly as described in Step 10 to prevent the hairpin from falling out during operation. If fingers are lost, the header might not be able to feed crop into the combine properly. Fingers that fall into the drum might damage internal components.

- Coat bolts (A) with medium-strength threadlocker (Loctite® 243 or equivalent). Reinstall access cover (B) and secure with bolts (A). Torque to 9 Nm (80 lbf-in).
- Repeat Steps 4–11 for remaining fingers.

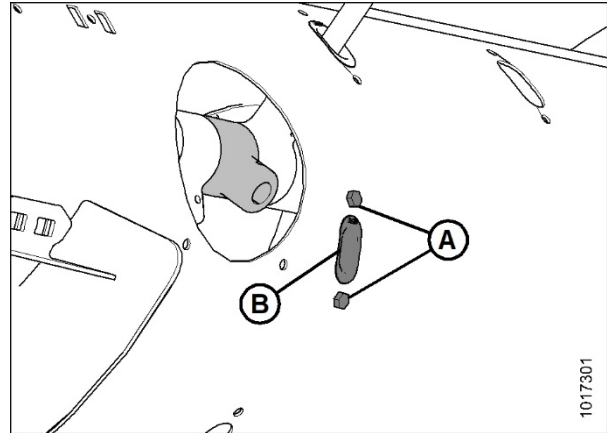


Figure 3: Finger Guide

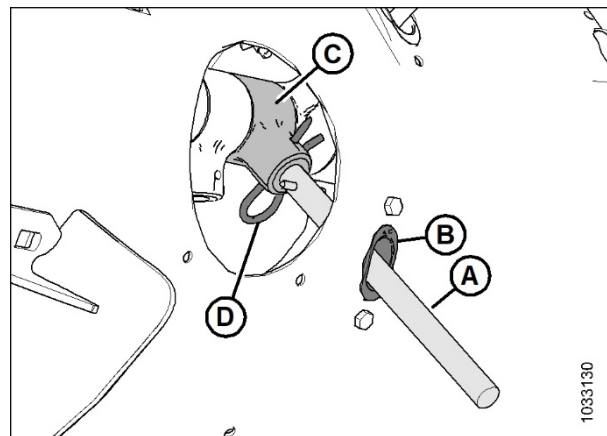


Figure 4: Solid Auger Finger

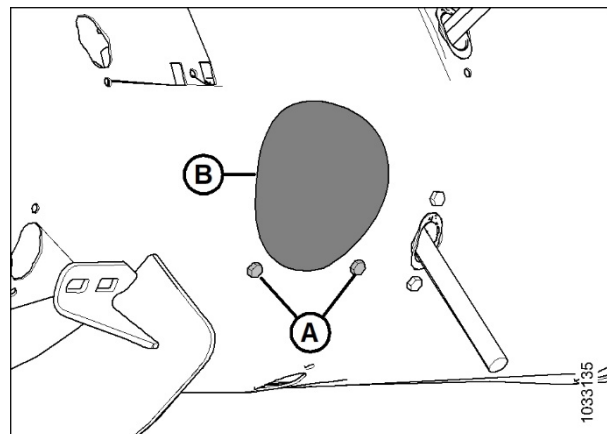


Figure 5: Auger Access Hole Cover

© 2020 MacDon Industries, Ltd.

The information in this publication is based on the information available and in effect at the time of printing. MacDon Industries, Ltd. makes no representation or warranty of any kind, whether expressed or implied, with respect to the information in this publication. MacDon Industries, Ltd. reserves the right to make changes at any time without notice.