

**CA25 Combine Adapter
LEXION COUPLER SUPPORT KIT (MD #279854)
INSTALLATION INSTRUCTIONS**

The angle of the multilink coupler on the rear of the combine adapter is such that it may come into contact with the PTO shaft on some Lexion combines. The Lexion Coupler Support kit includes a new coupler support and cover to correct this issue.

This document explains how to install the kit. 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 instruction is available only in English.

Installation Time

Installation time for this kit is approximately 1/2 hour.

Conventions

The following conventions are followed in this document:

- Right- and left-hand are determined from the operator's position. The front of the combine adapter is the side that faces the crop; the back 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.

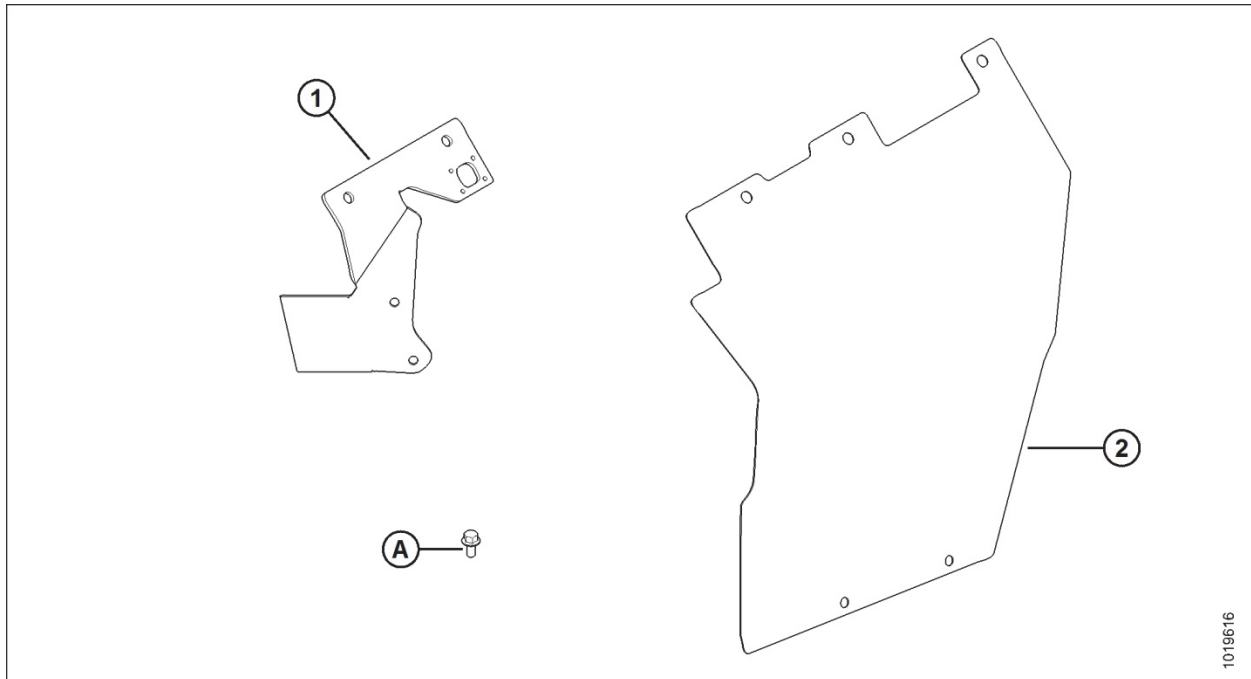
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Part List

This kit includes the following parts:



Ref	Part Number	Description	Quantity
1	279841	SUPPORT – LEXION COUPLER	1
2	279842	COVER	1
A	21968	BOLT – HEX HD FLG (SERR FACE) 1/4 NC X 0.5 GR 5 ZN PL	1

CA25 Combine Adapter LEXION COUPLER SUPPORT KIT (MD #279854) INSTALLATION INSTRUCTIONS

Installation Instructions

To install the Lexion Coupler Support kit, follow these steps:

Removing Existing Coupler Support and Cover



DANGER

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

NOTE: Unless otherwise specified, retain all parts for reinstallation.

1. Detach combine adapter from combine. For instructions, refer to the header operator's manual or technical manual.
2. Turn off engine and remove key.
3. On the rear left side of the combine adapter, remove hardware (E) securing driveline hanger bracket (F) to the existing coupler cover (B), and then remove the driveline hanger bracket.
4. Remove coupler cover (A).
5. Remove screws (C) and bolt and lock nut (D) securing the existing cover (B) to the adapter frame, and then remove the cover. Discard cover, but retain hardware for installation of the new cover.

NOTE: Early 2017 units have a cable tie at location (D) instead of a bolt and lock nut.

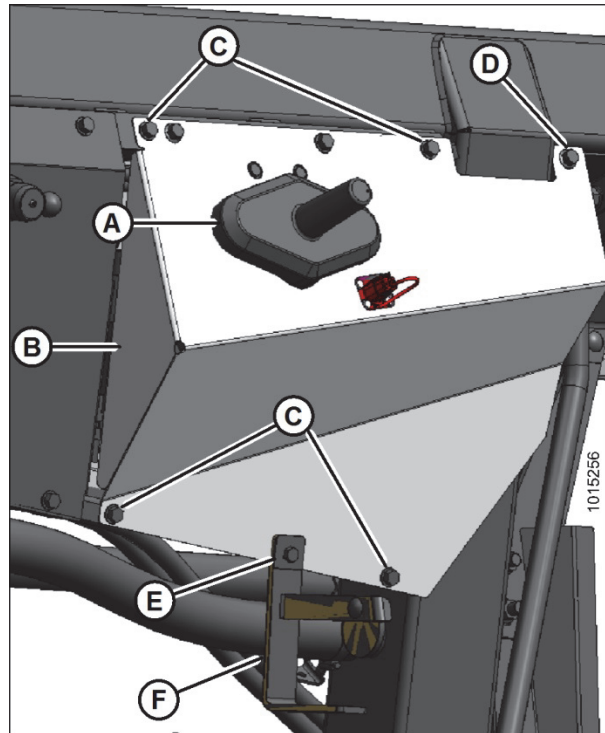


Figure 1: Existing Coupler Cover

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6. Remove screws (B) securing connector (A) to the coupler support, then remove the connector.

NOTE: Older combine adapters have self-tapping screws.

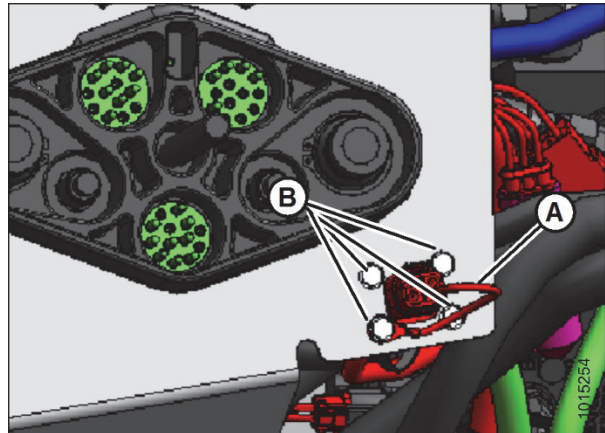


Figure 2: Lexion Connector

7. Remove nuts and bolts (B) securing multilink coupler (A) to coupler holder (F), and then detach the multilink coupler from the coupler support.
8. Remove bolt (D) and screw (E).
9. Pull coupler support (F) out of notch (C) in the bottom of the enclosure. Discard coupler holder.

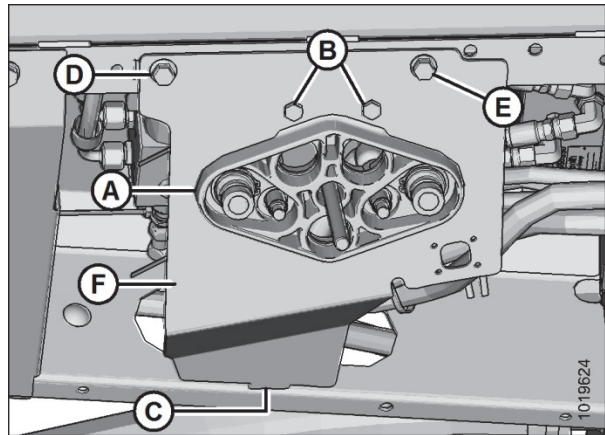


Figure 3: Multilink Coupler Installed in Coupler Support

Installing New Coupler Support and Cover

NOTE: Unless otherwise stated, all parts are retained from previous procedure.

1. Inside the combine adapter enclosure, on the top of the selector valve manifold (A), loosen solenoid coil (B), and then rotate it 90 degrees towards the enclosure back sheet. Retighten. This will make room to install the new coupler support.

NOTE: Some parts removed from illustration for clarity.

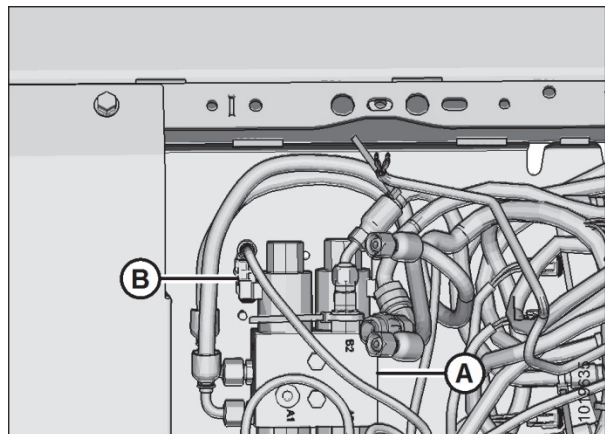


Figure 4: Solenoid on Selector Valve Manifold

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2. Position the new coupler support (A) (MD #279841) at the top of enclosure, above the selector valve manifold. The support should extend to the back of the enclosure, in between the selector valve manifold and the hydraulic hoses.

NOTE: Some parts removed from illustration for clarity.

3. Secure the new coupler support (A) to the top of the enclosure with self-threading screw (B) and a nut and 3/4 in. long hex head bolt (B).
4. Secure the back end of the new coupler support (A) (that is, the end with the weld nut) to the enclosure backsheet with a 1/4 NC x 1/2 in. long, hex head flange bolt (MD #21968) (provided in kit).

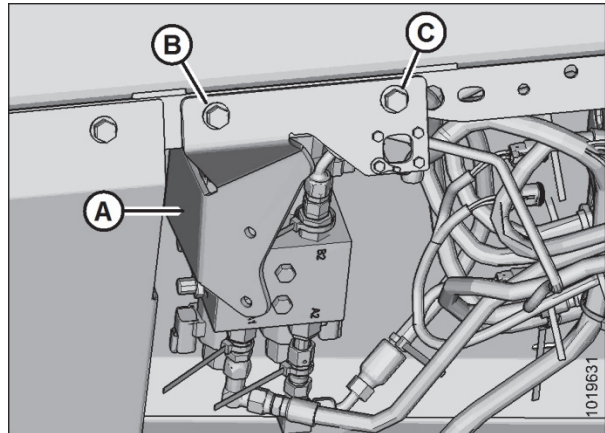


Figure 5: New Coupler Support Installed

On model year 2017 combine adapters, and on late 2016 combine adapters, there is an unused hole (A) in the enclosure backsheet, slightly above and outboard of the selector valve manifold. Secure the end of the new coupler support to this hole.

On older combine adapters, you will need to drill a 6.8 mm (1/4 in.) hole. Use the new coupler support to position the hole.

5. Secure multilink coupler (A) to the new coupler support (B) using two 1-1/4 in. long hex head bolts (C) and nuts.

NOTE: You may need to loosen and reposition the two 1/2 in. ID (7/8 in. OD) hoses ([A] and [B] in Figure 7) to fully secure the multilink coupler in place.

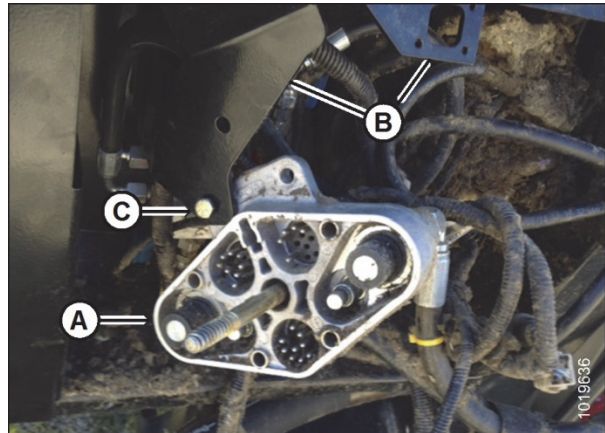


Figure 6: Multilink Coupler Partially Secured to New Coupler Support

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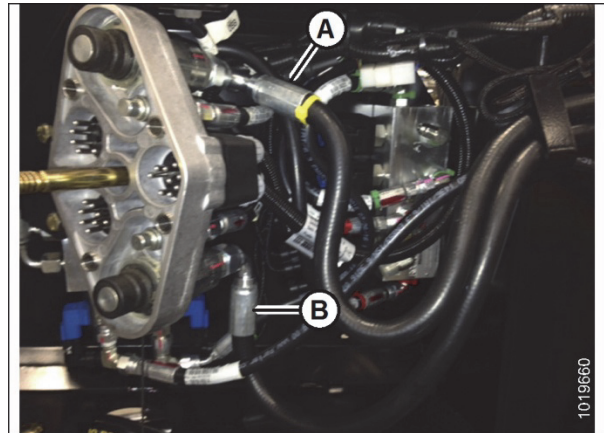


Figure 7: Multilink Coupler Hose Connections

A – ½ in. ID Hose with Yellow Cable Tie
B – ½ in. ID Hose with White Cable Tie

- Secure connector (A) through the hole in the coupler support, and secure in place with four screws (B).

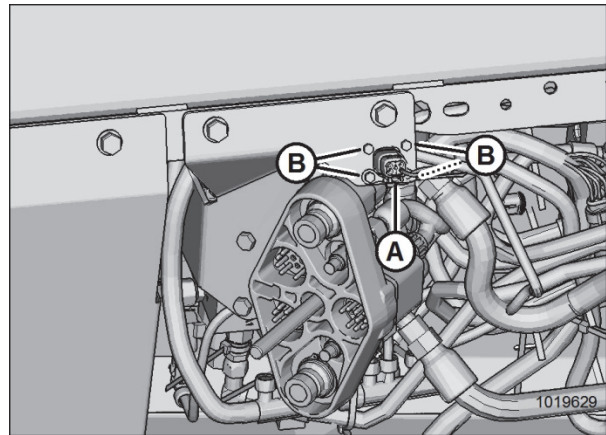


Figure 8: Connector Installed

- Position new cover (A) (MD #279842) over the combine adapter enclosure, and secure in place with three screws at locations (B).
- Replace coupler cover (C) on multilink coupler.
- Secure cover (A) to the adapter frame with a cable tie at location (D) (not provided in kit).
- Attach driveline hanger bracket (E) to coupler cover with 1 in. long hex head bolt and nut (F).

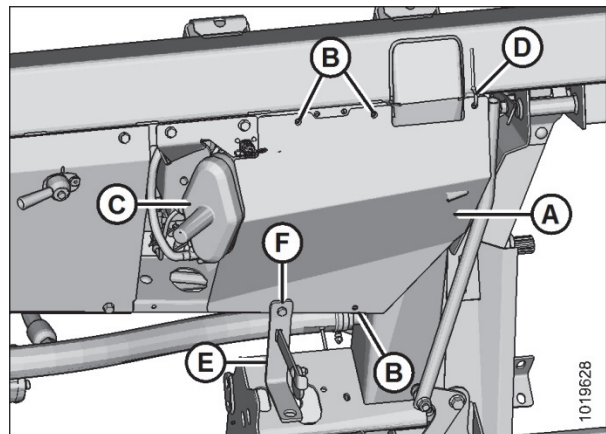


Figure 9: New Coupler Cover Installed