SERVICE MANUAL

480FI

Row-Independent Corn Head

Part number 84539588A
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Section 05
Safety

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Gear Box, Specifications

Item	Measurement	Specification
Gear oil	Capacity	2.9 L 0.76 U.S. gal
Hex. socket screws of gear box halves	Torque	55 N·m 40 lb-ft
Flanged pipe cap screws	Torque	55 N·m 40 lb-ft
Spur gears	Play	0 mm 0 in.

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Gear Box, Other Material

Order No.	Designation	Use
Loctite 37463	Sealant	Spur gear housing seal
Loctite 243		Thread lock
Loctite 574		Form-in-place gasket
Loctite 620		Adhesive

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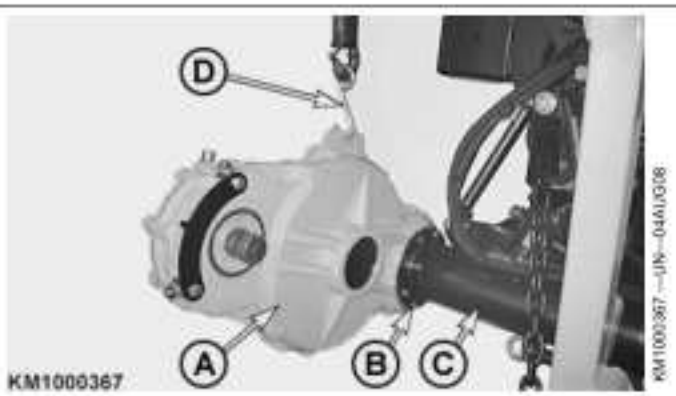
Gear Box, Special Tools

Refer to "DFKM001" in Section 99.

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Remove Gear Box from Rotary Harvesting Unit

Remove u.j. shaft from gear box (A). Insert lifting tool (D) into the bore provided. Loosen attaching screws (B) on flanged pipe (C).



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Disassemble the Friction Clutch

The friction clutch has to be disassembled in order to replace worn parts.

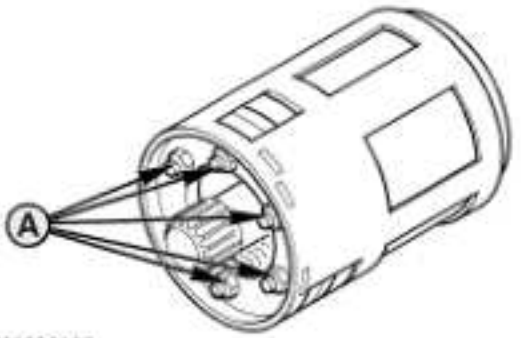
1. Remove the friction clutches from the rotary harvesting unit.
2. Tighten nuts (A). This will relieve pressure on the clutch disks.
3. First remove bushing (I) from housing (B).
4. Then remove all friction clutch parts from housing (B).
5. Clean all parts, especially friction disks (C, E). Replace worn parts.
6. Re-assemble all parts.
7. Install bushing (I) as shown in "Torque Settings" below.
8. Loosen nuts (A) to the end of thread.
9. Re-install the friction clutches on the rotary harvesting unit.

Torque Settings:

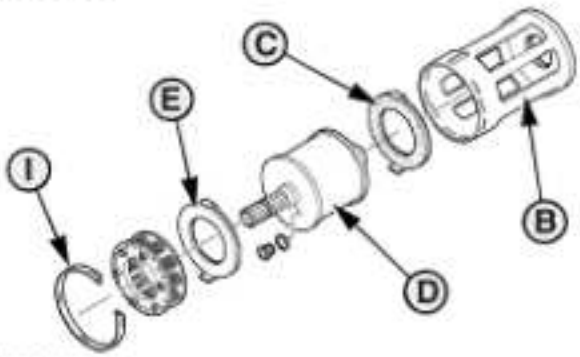
IMPORTANT: The specified torque of 1180 N·m (870.3 lb.-ft.) must not be exceeded.

The torque value is set by positioning profile (F) towards the inside so the profile engages with inner recess (H) of housing (B).

A—Nut
B—Housing
C—Friction Disk
D—Coolant Reservoir - 1.3 L (0.34 US gal.)
— Water: 0.65 L (0.17 US gal.)
— Anti-Freeze: 0.65 L (0.17 US gal.)
E—Friction Disk
F—Profile
G—Outer Recess
H—Inner Recess
I— Bushing



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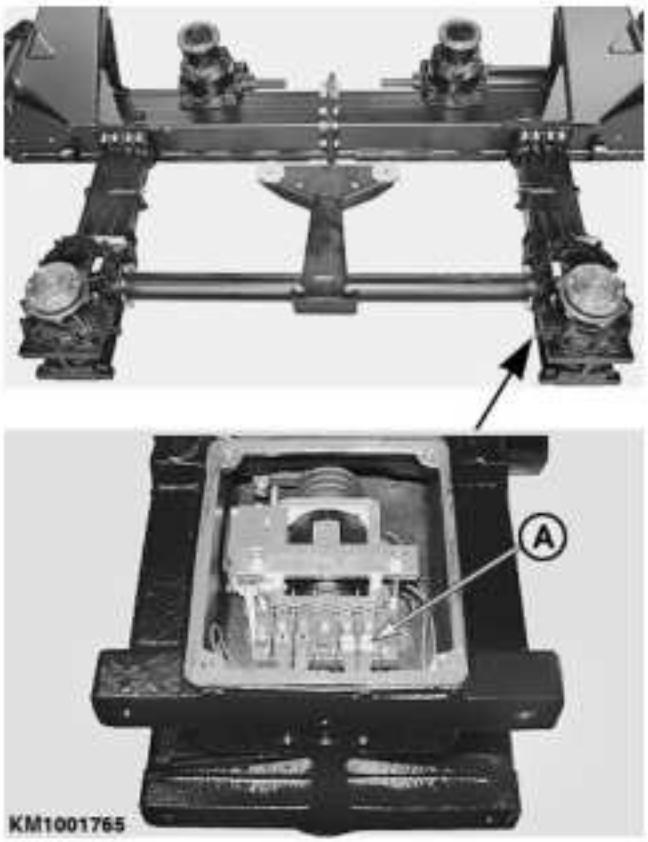
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14. Connect electric brake wiring harness (A).

    See also Wiring Diagram of Electrical Brake in Section 40, Group 10.

A—Wiring Harness



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15. Install rotors (A), see Install Rotors in Section 100, Group 15.

A—Rotor



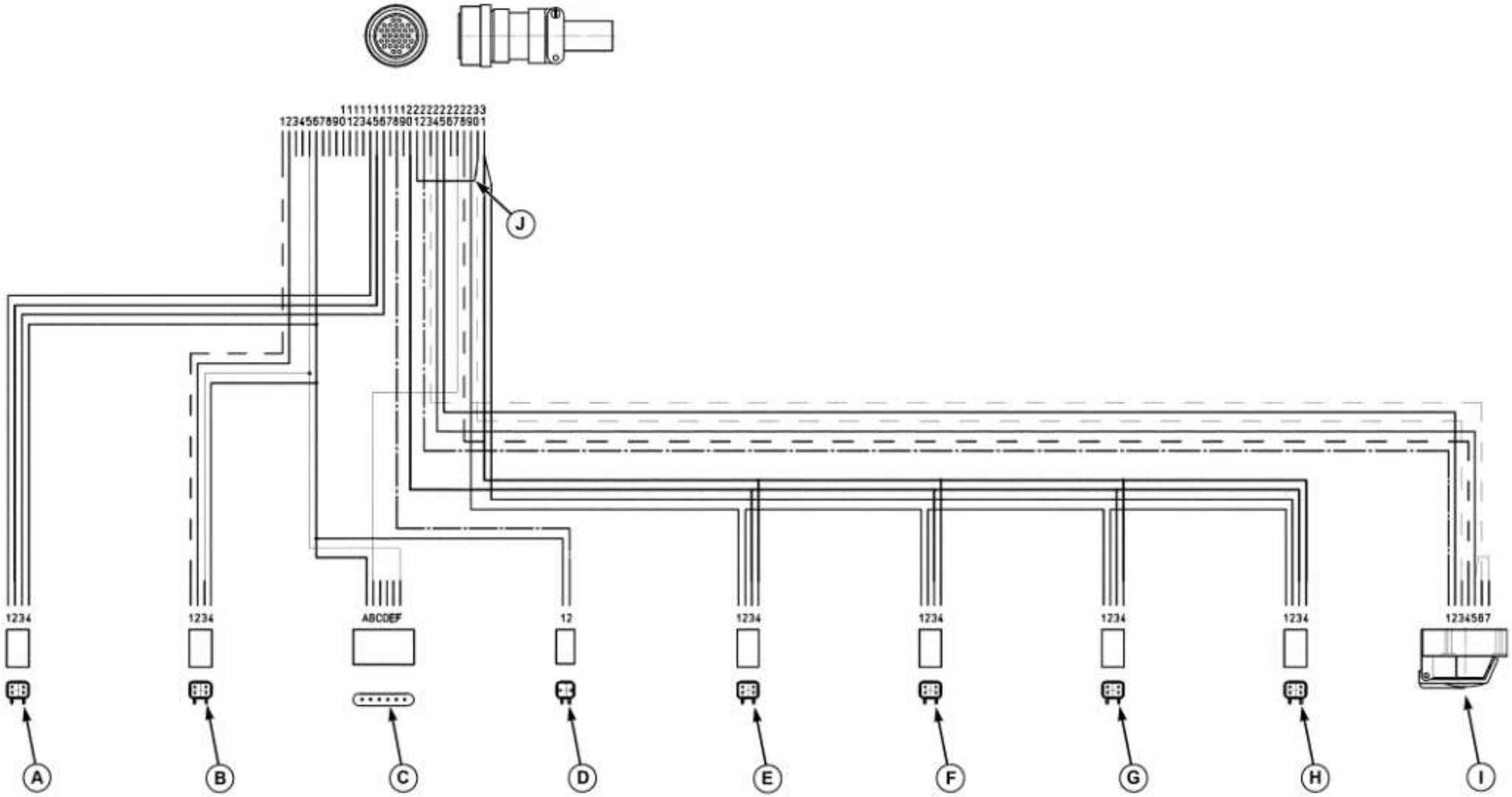
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General Wiring Diagram

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General Wiring Diagram

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