

NEW HOLLAND

SERVICE MANUAL

420FI
440FI
Rotary Harvesting Headers

NEW HOLLAND AGRICULTURE

SERVICE

84321453ANA 6/2010
1st Printing

MidWestTech | New Holland 420FI, 440FI, Rotary Harvesting Header Service Manual | Publication 84321453ANA

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SPECIFICATIONS

Item	Measurement	Specification
Transmission case oil	Capacity	1.20 l (0.31 U.S. gal)
Frame stop fixing screws	Torque	240 N·m (177 lb-ft)
Socket-head screws, transmission case housing halves	Torque	20 to 27 N·m (15 to 20 lb-ft)
Socket-head screws, transmission case end plate	Torque	23 N·m (17 lb-ft)
Idler gear mounting screw	Torque	28 N·m (20 lb-ft)
Transmission case to frame rear attaching screws	Torque	95 N·m (70 lb-ft)
Transmission case to frame front attaching screw	Torque	55 N·m (40 lb-ft)
Transmission case bevel gear	Backlash	0.2 mm (0.008 in.)
Transmission case No. 1 splined bushing	Axial play	0.1 to 0.3 mm (0.004 to 0.012 in.)
Transmission case No. 2 splined shaft	Axial play	0.1 to 0.3 mm (0.004 to 0.012 in.)

ZX,TM688,R011510-19-25APR98

OTHER MATERIAL

Name	Use
Loctite 7649	To prepare surface for sealing compound
Loctite 37463	Used in place of a gasket in gear case
Loctite 242	To secure transmission case housing half fixing screws
Loctite 307	To secure race on cross drive shaft of feed drum transmission case No. 1

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Remove Splined Shaft Assembly:

- Check condition of lip seal (A). Replace if needed.

- Remove input shaft (C) by removing snap ring (D) from splined shaft assembly (F). Remove shims (E).

NOTE: Shims (E) are 90x110x0.1-0.3 or 0.5 mm (3.54x4.33x0.004-0.01 or 0.02 in.) thick.

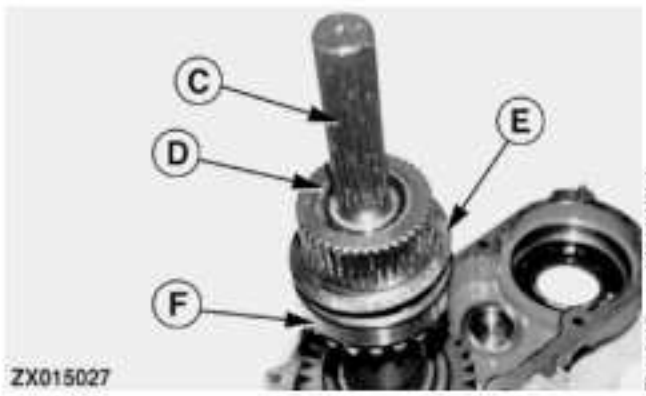
- Remove snap ring (J) to remove ball bearing (G). Ball bearing (H) can be moved along input shaft (C) for removal.

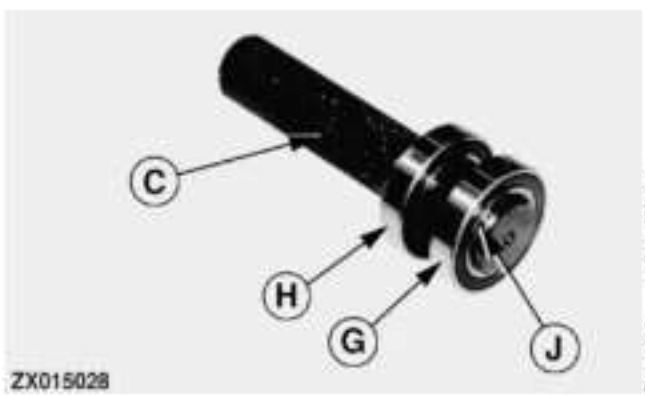
- Drive out splined shaft assembly (F) from housing half (B) with shims (K).

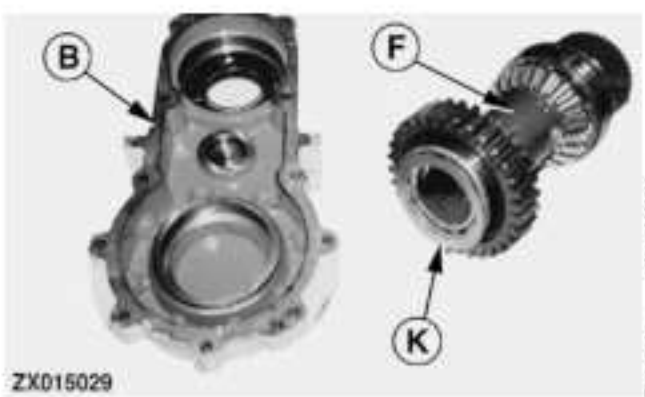
NOTE: Shims (K) are 70x90x0.1-0.3 or 0.5 mm (2.75x3.54x0.004-0.01 or 0.02 in.) thick.

A—Lip seal
B—Housing half
C—Input shaft
D—Snap ring
E—Shims
F—Splined shaft assembly
G—Ball bearing
H—Ball bearing
J—Snap ring
K—Shims









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420FI AND 440FI HARVESTING UNITS



420FI harvesting unit



ZX014359

440FI harvesting unit

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