

NEW HOLLAND

H7150

SERVICE MANUAL

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1st Printing

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SECTION 00 - GENERAL INFORMATION

Chapter 1 - General Information

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SPECIFICATIONS

H7150 PIVOT TONGUE TRAIL FRAME

	w/14 Foot Header	w/16 Foot Header	w/18 Foot Header
Dimensions			
Transport/Overall Width, m (ft in) [Defined by Header Width]	4.95 m (16 ft 3 in)	5.56 m (18 ft 3 in)	6.17 m (20 ft 3 in)
Overall Length, m (ft in)	7.90 m (25 ft 11 in)	7.90 m (25 ft 11 in)	9.02 m (29 ft 7 in)
Overall Height			
Operating position, mm (in)	1854 mm (73 in)	1854 mm (73 in)	1854 mm (73 in)
Transport position, mm (in)	2032 mm (80 in)	2032 mm (80 in)	2032 mm (80 in)
Track Width, mm (in)	3861 mm (152 in)	3861 mm (152 in)	3861 mm (152 in)
Ground Clearance to Guard Tips, mm (in)	635 mm (25 in)	635 mm (25 in)	635 mm (25 in)
Crop Discharge			
Swath width, mm (in)	2438 mm (96 in)	2438 mm (96 in)	2438 mm (96 in)
Windrow width, mm (in)	38-60 in (965-1524 mm)	38-60 in (965-1524 mm)	38-60 in (965-1524 mm)
Adjustments	Swath gate adjusted lowered provides 96 inch swath. Swath gate raised allows adjustable windrow shields to produce windrow widths between 38 inch and 60 inch.		
Weight			
Shipping, less Header kg (lb)	1598 kg (3522 lb)	1612 kg (3554 lb)	1664 kg (3668 lb)
Operating, less Header kg (lb)	1389 kg (3062 lb)	1403 kg (3094 lb)	1455 kg (3208 lb)
Tractor Requirements			
Power, Minimum PTO kW (Hp)	45 kW (60 Hp)	45 kW (60 Hp)	45 kW (60 Hp)
PTO Shaft Spline/Size Requirement	21-spline/1-3/8 inch	21-spline/1-3/8 inch	21-spline/1-3/8 inch
Remotes	2	2	2
Relief Pressure, bar (psi)	121 bar (1750 psi)	121 bar (1750 psi)	121 bar (1750 psi)
Drawbar		Category II Minimum	
7-pin Electrical Connector		Required for Lighting	
Hitch Type	Swivel ball in standard hitch extension w/clevis on implement tongue		
Tires			
Type, Size and Ply Rating	31 x 13.50-15, 8 ply, I1, agricultural implement rib tire		
Inflation Pressure	30 psi		
Hydraulics			
Swing Circuit	Double-Acting, 76.2 mm (3 in) bore X 482.6 mm (19 in) stroke		
Raise/Lower Circuit	Single-Acting, Master/Slave, 63.5 mm (2.5 in) bore X 254 mm (10 in) stroke		
Tilt Circuit	Single-Acting, 50.8 mm (2 in) bore X 254 mm (10 in) stroke		

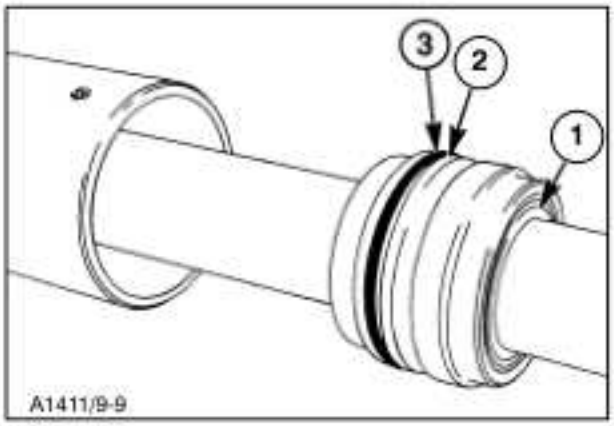
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Inspection

1. Examine the parts for wear or nicks. Remove any burrs inside the cylinder.
2. Remove all seals and O rings, carefully noting the lip position on the seals.

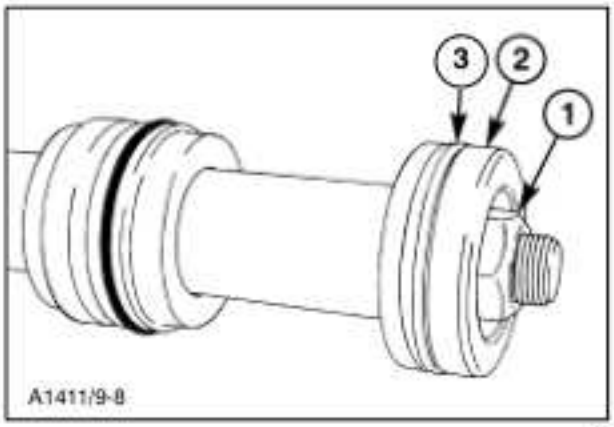
Assembly

1. Lubricate all seals, O rings, and sliding surfaces before assembly.
2. Install a new rod seal inside the cylinder head. Drive a new wiper seal, 1, in place in the face of the cylinder head. Install an O ring, 3, and back-up washer in the outer groove on the cylinder head, with the back-up washer, 2, towards the outer face of the cylinder head. Slide a new retaining ring and the cylinder head assembly over the piston rod.



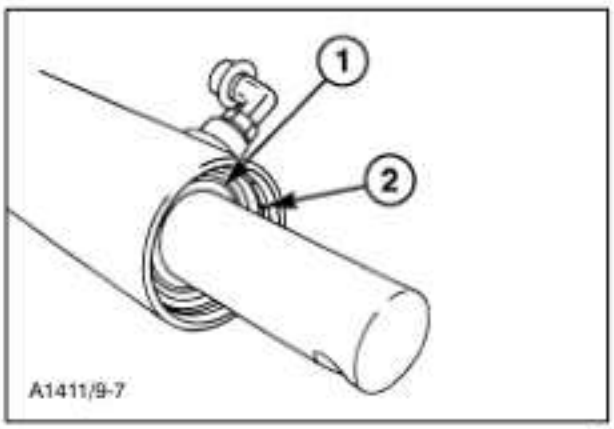
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3. Capture the piston rod using a bar through the hole in the end. Install piston, 2, with the recessed end facing out. Install the locknut, 1, and torque it to 210 N·m (155 lb ft).
4. Install the piston seal, 3.



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5. Lubricate the cylinder barrel with oil, and carefully insert the complete piston rod assembly into the barrel, using caution not to damage the seals on the retaining ring groove. Push the cylinder head into the cylinder barrel far enough to expose the retaining ring groove, and install retaining ring, 2. Pull the piston rod outwards to seat the cylinder head, 1, against the retaining ring.
6. Install setscrew, aligning it with the groove in cylinder head.

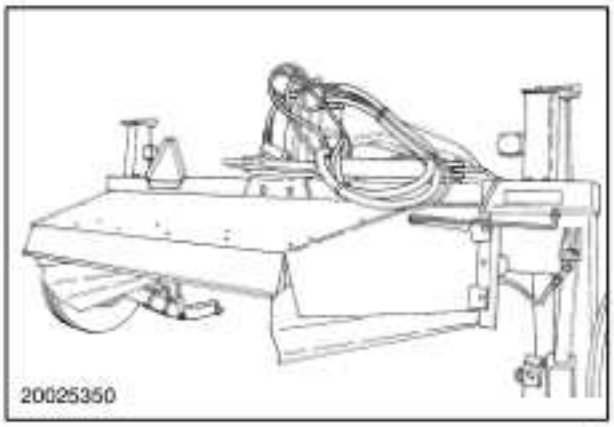


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INTRODUCTION

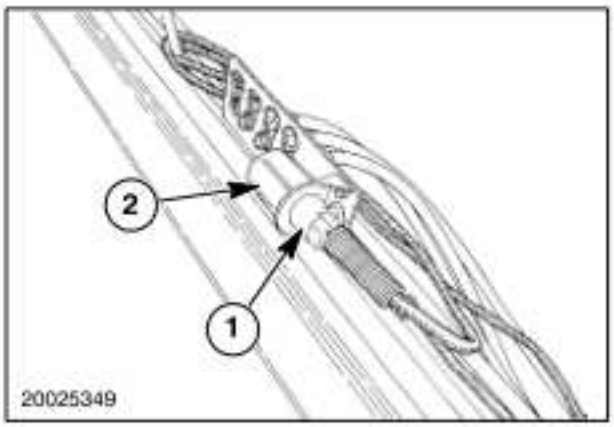
The H7150 pivot-tongue trail frame is equipped with red tail/brake lights to improve machine visibility.



1

WIRE HARNESS

The wire harness uses a 7-pin trailer connector, 1, which conforms to SAE J560 standard. A storage mount, 2, for the trailer connector is provided on the top of the tongue; press the connector into the mount and rotate the connector 1/4 turn to latch it in the mount.



2

7-PIN TRAILER CONNECTOR

The H7150 trail frame wire harness uses a 7-pin trailer connector to connect the mower-conditioner to a tractor electrical socket which conforms to SAE J560.

For proper light function, this unit must be connected to a tractor incorporating an SAE standard 7-pin conductor electrical socket which conforms to SAE J560. If your tractor does not have a 7-pin conductor electrical socket, obtain a #9603575 connector socket from your authorized dealer.

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