SERVICE MANUAL

840CD
880CF

Draper Header

Part number 47730915
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NEW HOLLAND
AGRICULTURE

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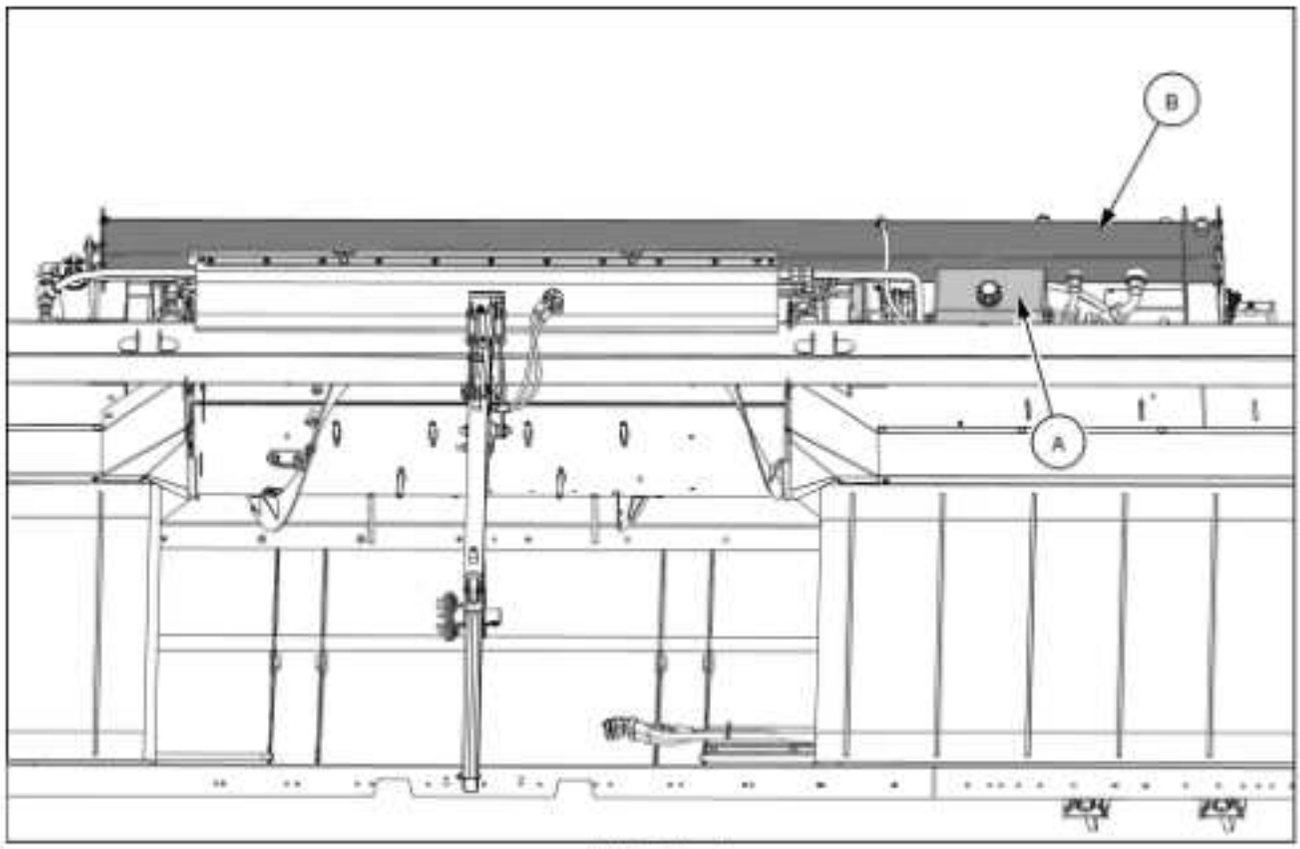
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(*) See content for specific models

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Hydraulic systems - General specification of hydraulic reservoir and expansion tank



NH12AFD1077AA 1

Expansion Tank (A)	
Tank capacity	**13 l (3.4 US gal)**
Tank capacity at low level	**2.2 l (0.6 US gal)**

Hydraulic reservoir integrated with draper header frame (B)	
Reservoir capacity	**90 l (23.8 US gal)**

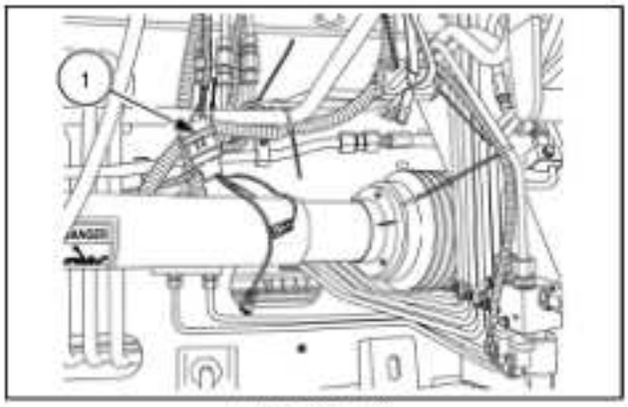
Hydraulic systems - General specification of the hydraulic system accumulator

⚠ WARNING

Explosion hazard!
Use only nitrogen when charging the accumulator. Do not use air or oxygen that will cause an explosion.
Failure to comply could result in death or serious injury.

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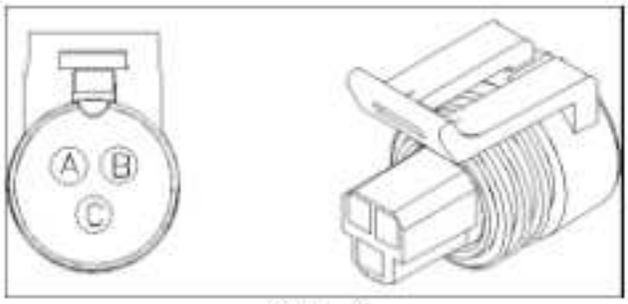


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(1) Header Type Module R-018

Connector X-436

CONNECTOR X-436; Draper Header Harness to Reel Horizontal Position - NOT USED			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
A	5012B (PK)	+5V Signal **R-025**	**Wire harnesses - Electrical schematic sheet 01 – Draper Header Type / Reel Position/Height (55.100)**
B	5013B (BL)	Sensor Return **R-025**	
C	5008 (YE)	Reel Horizontal Position **R-025**	

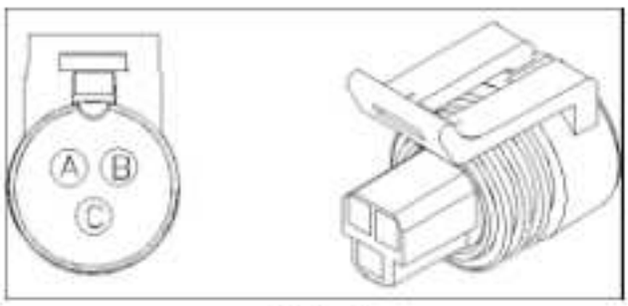


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Draper Header Harness

Connector X-437

CONNECTOR X-437; Draper Header Harness to Reel Vertical Position - NOT USED			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
A	5012C (PK)	+5V Signal **R-011**	**Wire harnesses - Electrical schematic sheet 01 – Draper Header Type / Reel Position/Height (55.100)**
B	5013C (BL)	Sensor Return **R-011**	
C	5009 (YE)	Reel Vertical Position **R-011**	



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Self-leveling sensor Right-hand stubble height sensor - Testing Right Height/Tilt

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N°	Test Point	Expected Result	Other Result (Possible Cause)
1	**Condition** The machine is not sensing or is improperly sensing the Right Height/Tilt potentiometer signal. Disconnect the header harness connector from the Right Height/Tilt potentiometer. **Check** Use a DVOM to measure the resistance between pin A and pin C, on the potentiometer.	**Result** The measured resistance is approximately **800 - 1200 Ω**. **Action** Leave the potentiometer disconnected. Go to test **2**	**Result** The measured resistance is other than **800 - 1200 Ω**. **Action** The potentiometer has failed internally, replace the potentiometer then retest the system for proper operation.
2	**Condition** With the Right Height/Tilt potentiometer disconnected from its connector, **Check** use a DVOM to measure the resistance between pin A and pin B, on the potentiometer. If practical operate the potentiometer mechanism.	**Result** The measured resistance is or operates between **150 - 1200 Ω**. **Action** Leave the potentiometer disconnected. Go to test **3**	**Result** The measured resistance is other than **150 - 1200 Ω**. **Action** The potentiometer has failed internally, replace the potentiometer then retest the system for proper operation.
3	**Condition** With the Right Height/Tilt potentiometer disconnected from its connector, **Check** use a DVOM to measure the resistance between pin B and pin C, on the potentiometer. If practical operate the potentiometer mechanism.	**Result** The measured resistance is or operates between **1200 - 150 Ω**. **Action** Leave the potentiometer disconnected. Go to test **4**	**Result** The measured resistance is other than **1200 - 150 Ω**. **Action** The potentiometer has failed internally, replace the potentiometer then retest the system for proper operation.
4	**Condition** With the Right Height/Tilt potentiometer disconnected from its connector, disconnect the header from the machine at the main header connector. **Check** Use a DVOM to check for continuity, on the header harness side of the Right Height/Tilt potentiometer connector, from pin C to chassis ground.	**Result** No continuity measured between pin C and chassis ground. **Action** Leave both the header to machine and potentiometer connectors disconnected. Go to test **5**	**Result** If there is continuity between pin C and chassis ground, the sensor reference voltage circuit is grounded. **Action** Locate and repair the grounded circuit condition then retest the system for proper operation.
5	**Condition** With both the header to machine and Right Height/Tilt potentiometer connectors disconnected, **Check** use a DVOM to check for continuity from the header harness side of the Right Height/Tilt potentiometer connector pin C to the header harness side of the header to machine connector pin 23.	**Result** Continuity measured between pin C and pin 23. **Action** Leave both the header to machine and potentiometer connectors disconnected. Go to test **6**	**Result** If there is no continuity between pin C and pin 23, the sensor reference voltage circuit is open. **Action** Locate and repair the open circuit condition then retest the system for proper operation.
6	**Condition** With both the header to machine and Right Height/Tilt potentiometer connectors disconnected, **Check** use a DVOM to check for continuity from the header harness side of the Right Height/Tilt potentiometer connector pin A to the header harness side of the header to machine connector pin 25.	**Result** Continuity measured between pin A and pin 25. **Action** Leave both the header to machine and potentiometer connectors disconnected. Go to test **7**	**Result** If there is no continuity between pin A and pin 25, the sensor ground reference circuit is open. **Action** Locate and repair the open circuit condition then retest the system for proper operation.

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