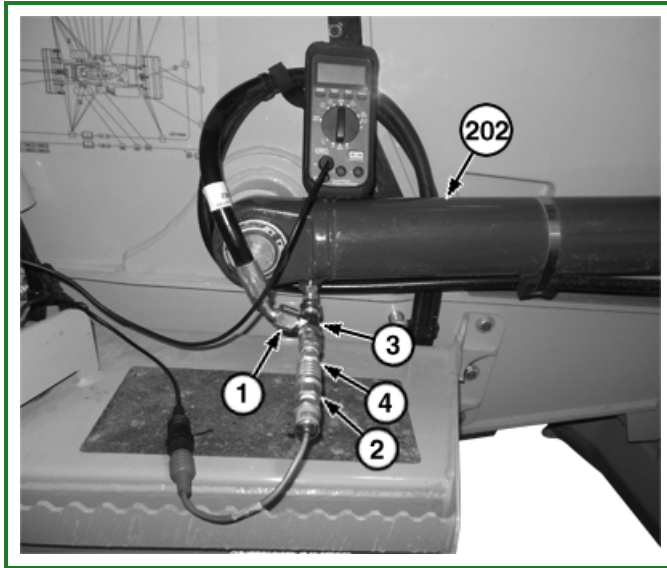


Move loader control lever to float position to release hydraulic system pressure in loader circuit. [See Hydraulic Circuit Pressure Release](#) . (Group 9025-25.)

4.



TX1189018A-UN: Loader Boom Cylinder With Digital Pressure and Temperature Analyzer

LEGEND:

- 1 - Loader Boom Cylinder Hydraulic Hose (head end)
- 2 - JT02156A Digital Pressure and Temperature Analyzer
- 3 - Tee (-8 M ORFS x -8 M ORFS x -8 F ORFS)
- 4 - Quick Coupler
- 202 - Loader Boom Cylinder

Disconnect loader boom cylinder hydraulic hose (1) from loader boom cylinder (202).

5.

⚠ CAUTION:

Avoid damage to sheetmetal or hydraulic hoses. Position fittings to allow boom movement without fittings contacting sheetmetal.

Install tee (3), quick coupler (4), and JT02156A Digital Pressure and Temperature Analyzer (2) (or equivalent) to loader boom cylinder.

6. Connect loader boom cylinder hydraulic hose to tee.

7. Start engine and warm hydraulic oil to specification. [See Hydraulic Oil Warm-Up Procedure](#) . (Group 9025-25.)

Item	Measurement	Specification
Hydraulic Oil Temperature (minimum)		40°C 104°F

8. Move ride control switch to OFF position.

9. Raise loader bucket to specified height off ground. Wait for 20 seconds or until hydraulic pressure gauge reading stabilizes. Record lowest head end hydraulic pressure required to support loader bucket.

Item	Measurement	Specification
Loader Bucket Height		0.9—1.2 m 3—4 ft.

10. Move loader control lever to float position to release hydraulic system pressure in loader circuit. See [Hydraulic Circuit Pressure Release](#) . (Group 9025-25.)

11. Remove test equipment and connect loader boom cylinder hydraulic hose to loader boom cylinder.

12.

NOTE:

Accumulator charge requirement will vary with loader bucket size and attachments. Accumulator charge must be set 345 kPa (3.5 bar) (50 psi) below boom cylinder head end pressure measured during this procedure. New machines have an accumulator precharge of 2930 kPa (29.3 bar) (425 psi).

Adjust ride control accumulator pressure as required. See [Ride Control Accumulator Charge Procedure](#) . (Group 9025-20.)

Item	Measurement	Specification
Accumulator Charge	Pressure (below boom cylinder head end pressure)	345 kPa 3.5 bar 50 psi

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