A8000
A8800

Cane Harvester

A8000 from serial PIN PRCY8000CCPA00831

A8800 from serial PIN PRCY8800CCPA00830

SERVICE MANUAL

Part number 47507541
English
April 2013
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CASE IH AGRICULTURE

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OPERATION 56

Checking the battery electrolyte level

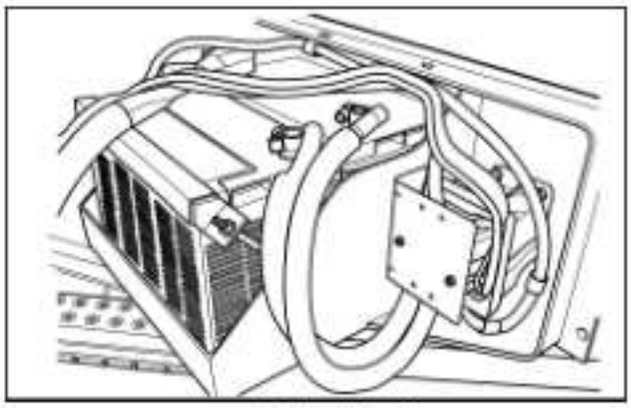
Check if the electrolyte level is above the separators of each cell.

If necessary, top up with distilled or de-mineralized water until the level is correct, at **10 - 15 mm**. If necessary, top up with distilled or de-mineralized water until the level is correct, 10- 15 mm above plates . Never use tap water or water from rain tank or other source.

To prevent corrosion from forming, the battery terminals should be cleaned and smeared with Vaseline.

NOTICE: *If the battery is charged and the voltage at the terminals is less than* ***7 V****, recovery will require a special charging procedure.*

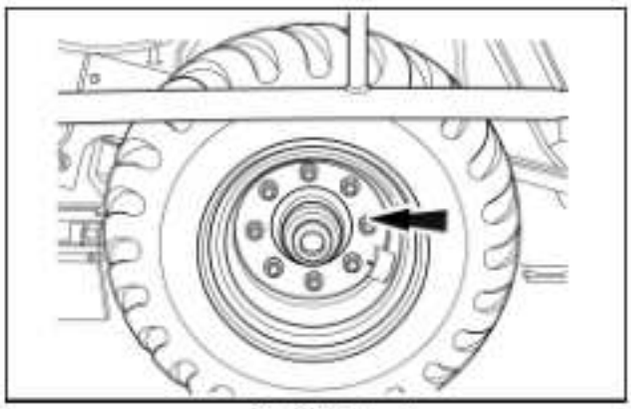
NOTICE: *Avoid the presence of flames or sparks close to the batteries. When the batteries are loaded, it is the oxyhydrogen gas, which is inflammable and explosive.*



BRIL125C0848A0A 19

OPERATION 57
Tightening of wheel bolts (A8000)

- Apply a torque to the front wheel bolts of **339 N·m**.
- Apply a torque to the chassis bolts of **250 - 290 N·m**.
- Apply a torque to the rear wheel bolts of **250 - 290 N·m**.

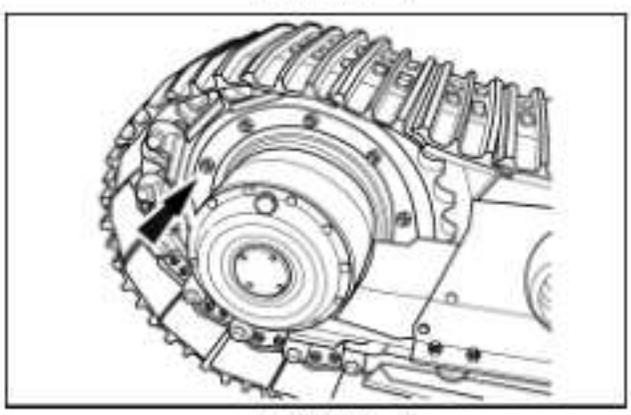


BRIL125C0847A0A 20

OPERATION 57

Tightening of track sprocket nuts (A8800)

- Apply a torque to the drive wheel bolts of **380 - 400 N·m**.



BRIL125C0848A0A 21

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Fault Code	Module	SCM that uses	Code description	1st Diagnostics	Possible causes	What to do	Electrical diagram
E1026	EDC		Oil pressure sensor	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. Oil Pressure Sensor	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Oil pump	Check the oil pump	
					Oil leakage	Find the leakage point and repair	
					Fuel filter	Replace the filter	
					Sensor damaged	Replace the sensor	
E1027	EDC		Turbo outlet pressure sensor	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. Outlet pressure sensor	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Radiator obstruction	Check the radiator	
					Sensor damaged	Replace the sensor	
E1029	EDC		Engine coolant temperature sensor	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. Water temperature sensor	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Sensor damaged	Replace the sensor	
E1030	EDC		Coolant level sensor	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. Water level sensor	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Sensor not mounted correctly	Mount the sensor in the correct position	
					Sensor damaged	Replace the sensor	
E1031	EDC		System voltage	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. System voltage	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Problem with the alternator	Check the alternator	
					Sensor damaged	Replace the sensor	
E1032	EDC		Inlet manifold Air temperature sensor		Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Sensor damaged	Replace the sensor	
E1033	EDC		Fuel temperature sensor	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Engine 4. Fuel temperature sensor.	Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Sensor damaged	Replace the sensor	
E1034	EDC		Speed / synchronizing sensor		Harness connector with bad contact	Check if the connector is properly fitted	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Sensor damaged	Replace the sensor	
E1035	EDC		Engine timing setting mandatory		Engine timing is incorrect	Set engine timing as shown at the engine manual	
E1036	EDC		Different personal modules		Failure in the CAN network.	Measure the network CAN resistance	

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Electrical system - Electrical schematic frame 19 - Machines year/model 2008 to 2011.

8000

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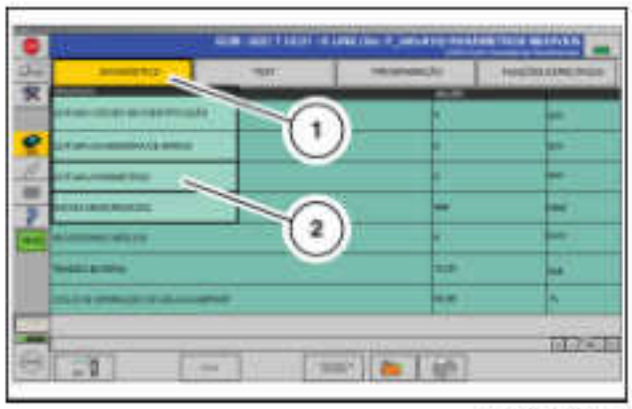
Turbocharger - Test — Turbo compressor analysis via EST

8000, 8800

NOTE: *The following criteria must be in place to run this test:*

- Power curve: High
- Industrial System: Hanging in reverse (Chopper)
- Engine torque percentage (%): ≥ 100
- Overfeed air temperature (°C) : up to **70 °C**
- Overfeed air pressure (mbar) : ≥ 3000
- Engine RPM: **2100 RPM**

Using the E.A.S.Y tool within the Electronic Service Tool, click on "DIAGNOSTICS", then on "PARAMETER READINGS", as indicated on arrows one and two.



BR8,12SC1084A0A 1

With the DESCRIPTION window open, click on the "GROUP" button, **(3)**.



BR8,12SC1086A0A 2

Click on the "CREATE" button, indicated by **(4)**.



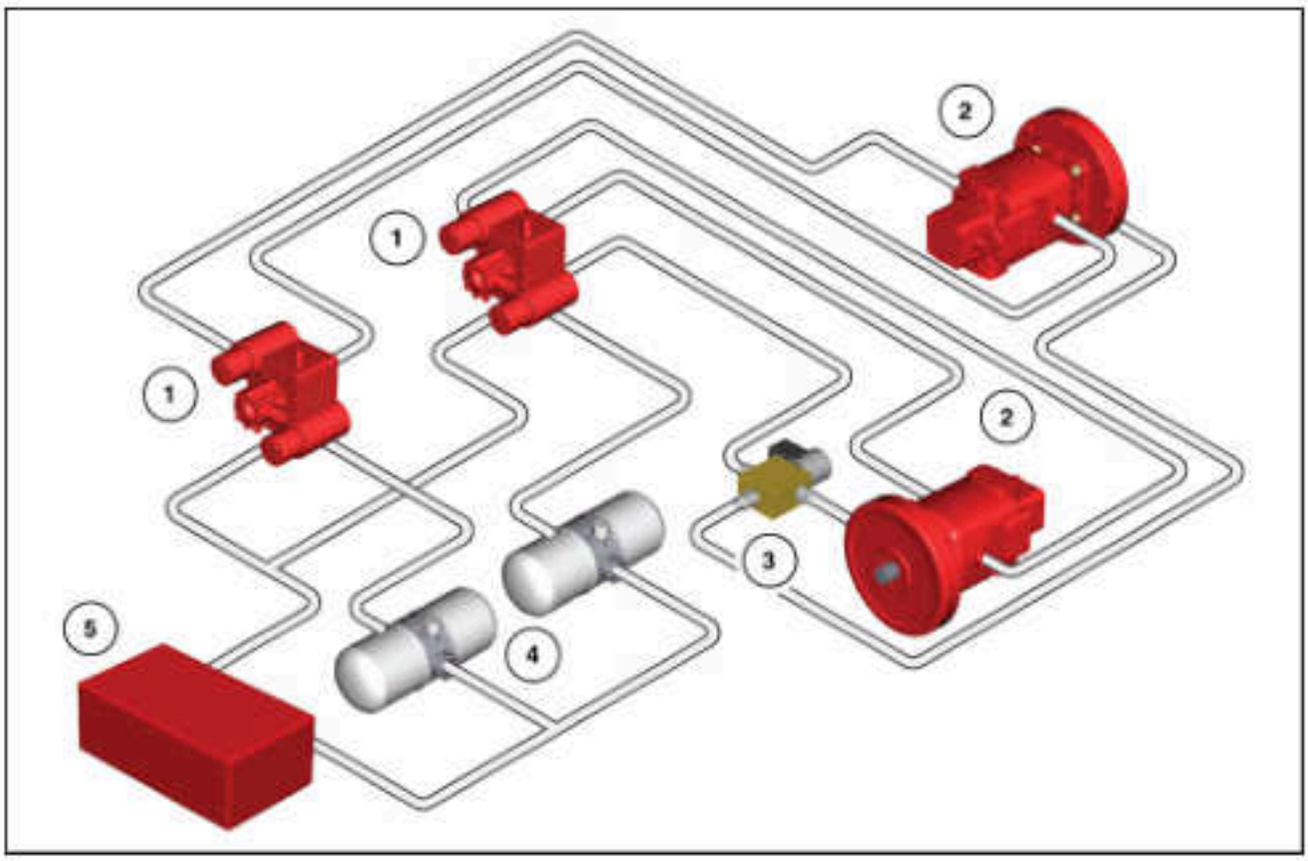
BR8,12SC1088A0A 3

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Hydraulic systems - Hydraulic schema Transmissions and brakes

8800 |PRCY8800CCPA00830 - |

Circuit



BRL125C1008P3A 1

1. Pump
2. Engine
3. Brake valve
4. Filter
5. Tank

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Fault Code	Module	SCM that uses	Code description	1st Diagnostics	Possible causes	What to do	Electrical diagram
E0056	SCM1	1	Topper Down	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Topper 4. Topper Down	Lack of current	With the multifunction handle button depressed, there must be electric current at the Cetop	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 16 - Machines year/model 2008 to 2011. (55.000)**
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Lack of continuity	Measure the continuity between connector **C006** and the cetop	
					Open circuit	Check that there is signal passing through the connectors to the cetop	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0057	SCM1	1	Basecutter Down	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Harvesting basic functions 4. Basecutter Down	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 16 - Machines year/model 2008 to 2011. (55.000)**
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0058	SCM1	1	Raise the basecutter	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Harvesting basic functions 4. Raise the basecutter	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 16 - Machines year/model 2008 to 2011. (55.000)**
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0062	SCM1	1	Topper Throw Direction Left	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Topper 4. Topper to the left	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 18 - Machines year/model 2008 to 2011. (55.000)**
					Harness connector faulty	Check if signal is passing through the harness connector	
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Cable damaged	Check continuity	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0063	SCM1	1	Topper Throw Direction Right	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Topper 4. Topper to the right	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 18 - Machines year/model 2008 to 2011. (55.000)**
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0065	SCM1	1	Cropdivider Left Up	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Harvesting basic functions 4. Basecutter up, left cropdivider up	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 16 - Machines year/model 2008 to 2011. (55.000)**
					Harness connector faulty	Check if signal is passing through the harness connector	
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Cable damaged	Check continuity	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	
E0066	SCM1	1	Cropdivider Left Down	On the monitor, select: 1. Diagnostics 2. Diag. guide 3. Harvesting basic functions 4. Basecutter down, left cropdivider up	Harness connector with bad contact	Check if the connector is properly fitted	See section **Electrical system - Electrical schema (55.000)** and **Electrical system - Electrical schematic frame 16 - Machines year/model 2008 to 2011. (55.000)**
					The lock that holds the terminal in the connector is broken	Open the connector and check if the connector lock is not broken.	
					Harness connector faulty	Check if signal is passing through the harness connector	
					Cable damaged	Check continuity	
					Grounding fault	Check ground continuity	
					Coil burnt out	Replace the coil.	

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