

TTMEBridge



TT4200

Attention:

This modem is shipped the installer to send up to 50 test commands before having to send in the activation form.

STEP 1: TTMEBridge Preparation

Connect the black cable to the Y-cable on the TTMEBridge and the Aux2 port on the modem. Plug the serial cable into the Y cable. Ensure the screws on all serial connections are tight.

STEP 2: Modem and TTMEBridge Installation

Install the modules in a secure position where they will not be subject to moisture damage and cannot be easily found (preferably under the dash). Run the input wiring to the junction box so the wiring is secure and will not be damaged. Connect the serial cable from the TTMEBridge to the spreader control. Always solder and tape all connections.

Spreader Controls

- Cirus Model** - Connection on the floor between seats near back wall.
- Accucast Model** - Connection under the spreader control. **Important!** If there are 2 ports, use the port closest to the driver.

STEP 3: Connecting the Billing Switch

Depending on the spreader control installation, the billing switch connection may or may not be located in the junction box. Determine which wire in the junction box changes to 12v when on and 0 when off. Connect the line run for the billing switch to this connection.

STEP 4: Primary Wire Connections

TT4200	Black: Ground
	Red: 12 Volts (Constant)
	W : Ignition (MUST be a true ignition source)
MEBRIDGE	Black: Ground
	Red: True Ignition

GROUND MUST BE CONNECTED DIRECTLY TO THE CHASSIS WITH PAINT REMOVED

STEP 5: TTMEBRIDGE Plow Input Detection and Monitoring

White:	Input 1 (-)	Front Plow
Green:	Input 2 (-)	Belly Plow
Violet:	Input 3 (-)	Left Wing
Yellow:	Input 4 (-)	Right Wing
Orange/Brown:	Input 5 (+)	Billing
Yellow/Green		Do Not Use

STEP 6: Confirm LED Status

The two LED's indicate the status of the GSM-GPRS and GPS signal.

LED Color	Type	LED Action	Description
Orange	GMS-GPRS	Solid	Indicates device has connected to the cellular network
Green	GPS	Solid	Indicates device has obtained a valid GPS signal

STEP 7: Plow and Input Test

This step confirms the modem is connected correctly to the plows. Make sure the ignition key on the junction box is in the "on" position.

State	Confirm True State or "ON"	Confirm False State or "OFF"
Front Plow	Move the plow down. Check to see that the module input wire is ground. <input type="checkbox"/>	Move the plow up. Check to see that the module input wire is open. <input type="checkbox"/>
Belly Plow	Move the plow down. Check to see that the module input wire is ground. <input type="checkbox"/>	Move the plow up. Check to see that the module input wire is open. <input type="checkbox"/>
Left Wing	Move the plow down. Check to see that the module input wire is ground. <input type="checkbox"/>	Move the plow up. Check to see that the module input wire is open. <input type="checkbox"/>
Right Wing	Move the plow down. Check to see that the module input wire is ground. <input type="checkbox"/>	Move the plow up. Check to see that the module input wire is open. <input type="checkbox"/>

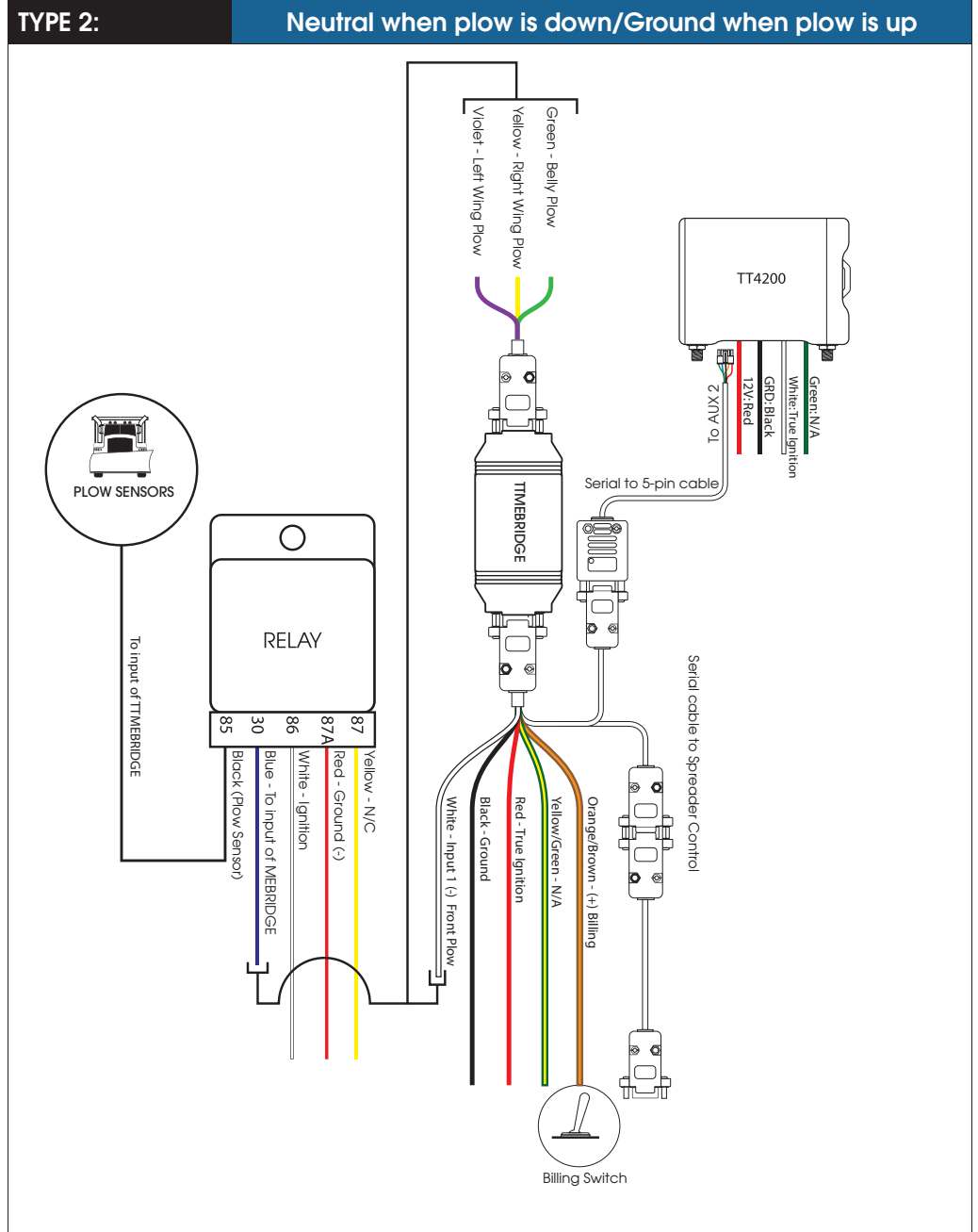
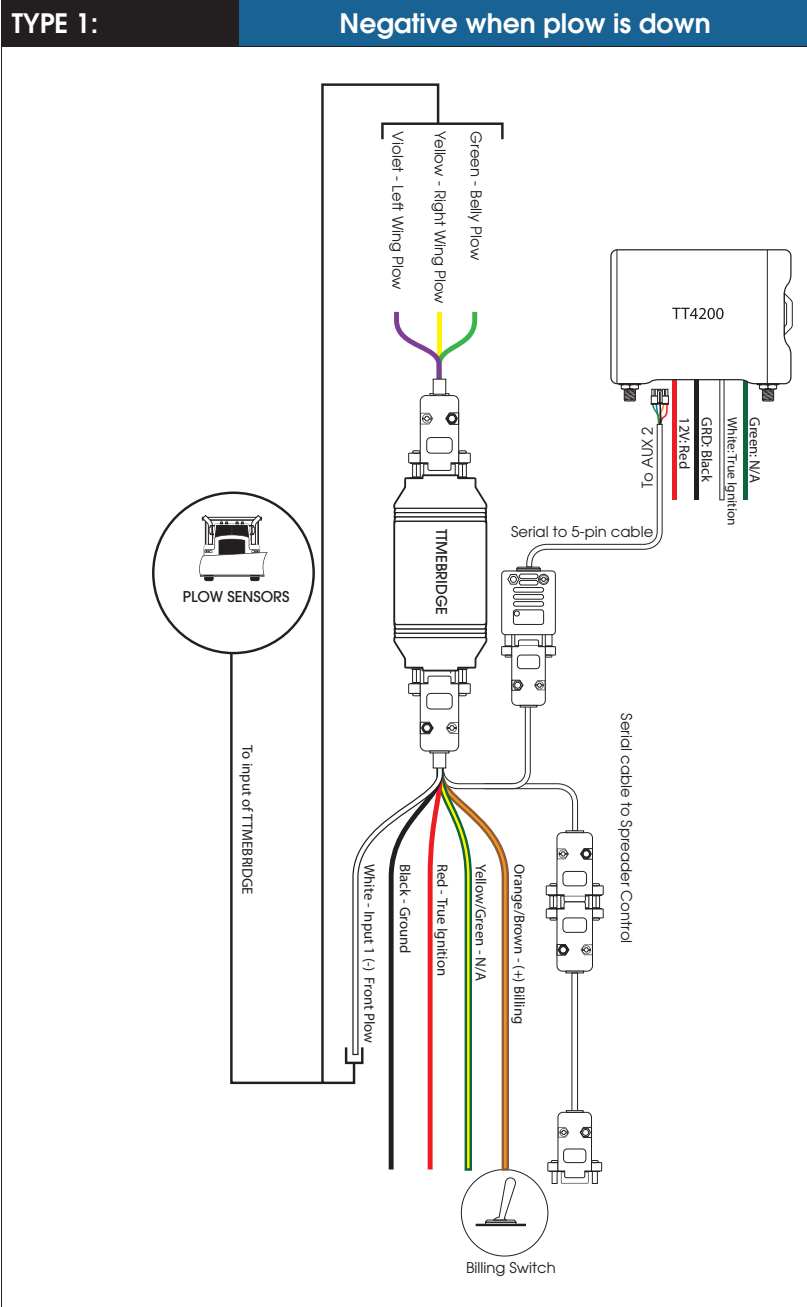
STEP 8: Junction Box Testing

Turn the ignition key on the junction box to the "off" position. Repeat steps in Step 7.

STEP 9: Call To Test

Call Certified Tracking Solutions at 1-780-391-3800 to test the modem to ensure it is reporting correctly. **This MUST be done to ensure proper installation.** The hours of operation are Monday to Friday, 8am to 6pm MST.

The use of relays may be required to ensure the input wire to the 4200 sees ground (-) when the plow is DOWN.



The use of relays may be required to ensure the input wire to the 4200 sees ground (-) when the plow is DOWN.

