

# Hydraulic Motor Harness Kit with Pressure Sensor

## Kit Components

| QTY | Part Number | Part Name       | Description                      |
|-----|-------------|-----------------|----------------------------------|
| 1   | 727111      | Harness         | Hydraulic Motor Harness, 15'     |
| 1   | 727007      | Pressure Sensor | Hydraulic Pressure & Temp Sensor |
| 1   | 726650      | Adapter         | Reducer ORB #6 to ORB #4         |

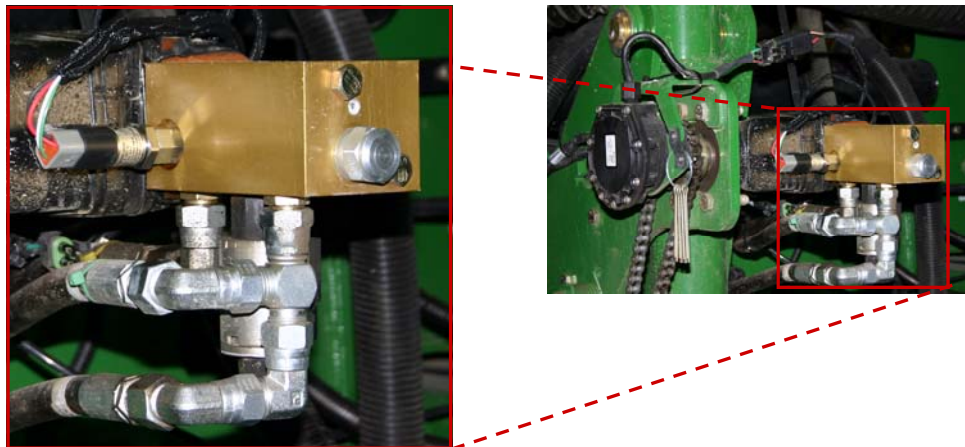
This kit is intended to provide connection from the Base Harness of the RowFlow system to PWM or 'Pulse Width Modulated' hydraulic control systems. Contact your local Precision Planting dealer for information on how to connect to planters with non-PWM controlled hydraulic systems (Rawson)

Installation of the 727110 Hydraulic Motor Harness Kit with Pressure Sensor will vary according to planter and motor, make and model.



## John Deere

For standard John Deere planters with factory installed OEM hydraulic drives, all components needed for installation are included within the kit. Remove the plug on the side of the control manifold and replace with the #6 ORB to #4 ORB adapter. Install the Pressure Sensor (727007) into the adapter and connect the harness to complete the installation.



## Kinze, Great Plains, and Dickey John

For Kinze, Great Plains, and all planters using Dickey John hydraulic motors, an additional hydraulic fitting will be required to complete this installation. The chart below provides part numbers and description for ordering the appropriate fittings. Access to the hydraulic system for pressure measurements will be made in line with the hoses using these diagnostic tees. The #6 ORB to #4 ORB adapter will not be required in this installation.



| PART NUMBER | A   | B   | C  | DESCRIPTION                   |
|-------------|-----|-----|----|-------------------------------|
| 726566      | -6  | -6  | -4 | JIC -6 DIAGNOSTIC TEE (3/8")  |
| 726567      | -8  | -8  | -4 | JIC -8 DIAGNOSTIC TEE (1/2")  |
| 726568      | -10 | -10 | -4 | JIC -10 DIAGNOSTIC TEE (5/8") |
| 726569      | -12 | -12 | -4 | JIC -12 DIAGNOSTIC TEE (3/4") |

continued on reverse. ➡

Once the Diagnostic tee has been placed; in-line on the **pressure** side of the motor as close to the control manifold as possible, install the pressure sensor to the side of the diagnostic tee. Connect the sensor to the harness to complete the installation. See reference images below and at right.

Diagnostic Tee

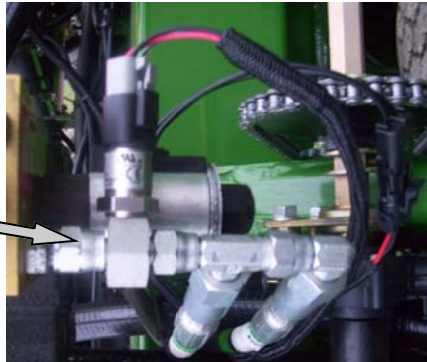


Image 1

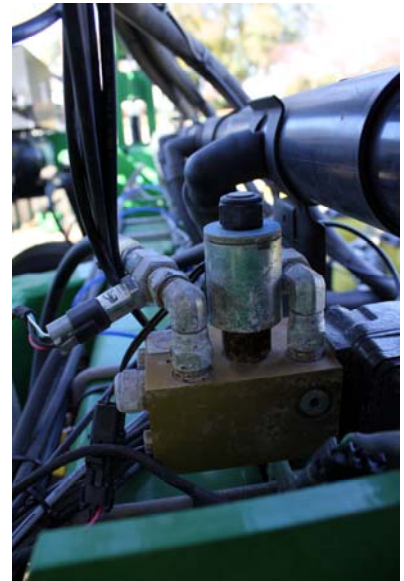


Image 2

Use the image and tables provided below for further details on installing the harness and troubleshooting purposes.

| A - Deutsch 8pin Plug |                      |        |
|-----------------------|----------------------|--------|
| From                  | Description          | To     |
| A1                    | Sensor Power +12V    | BA, D2 |
| A2                    | Valve Power +12V     | CA     |
| A3                    | Speed Sensor, Signal | BC     |
| A4                    | Spensor Ground       | BB, D1 |
| A5                    | Pressure Signal      | D4     |
| A6                    | Temperature Signal   | D3     |
| A7                    | Valve Ground         | CB     |
| A8                    | Not Used, Plug       | --     |

| B - WeatherPack 3pin Receptacle |                     |        |
|---------------------------------|---------------------|--------|
| From                            | Description         | To     |
| BA                              | Speed Sensor Power  | A1, D2 |
| BB                              | Speed Sensor Ground | A4, D1 |
| BC                              | Speed Sensor Signal | A3     |

| C - WeatherPack 2pin Receptacle |                  |    |
|---------------------------------|------------------|----|
| From                            | Description      | To |
| CA                              | Valve Power +12V | A2 |
| CB                              | Valve Ground     | A7 |

| B - Weather Pack 3pin Receptacle |                        |        |
|----------------------------------|------------------------|--------|
| From                             | Description            | To     |
| D1                               | Pressure Sensor Ground | A4, BB |
| D2                               | Pressure Sensor Power  | A1, BA |
| D3                               | Temperature Signal     | A6     |
| D4                               | Pressure Signal        | A5     |

