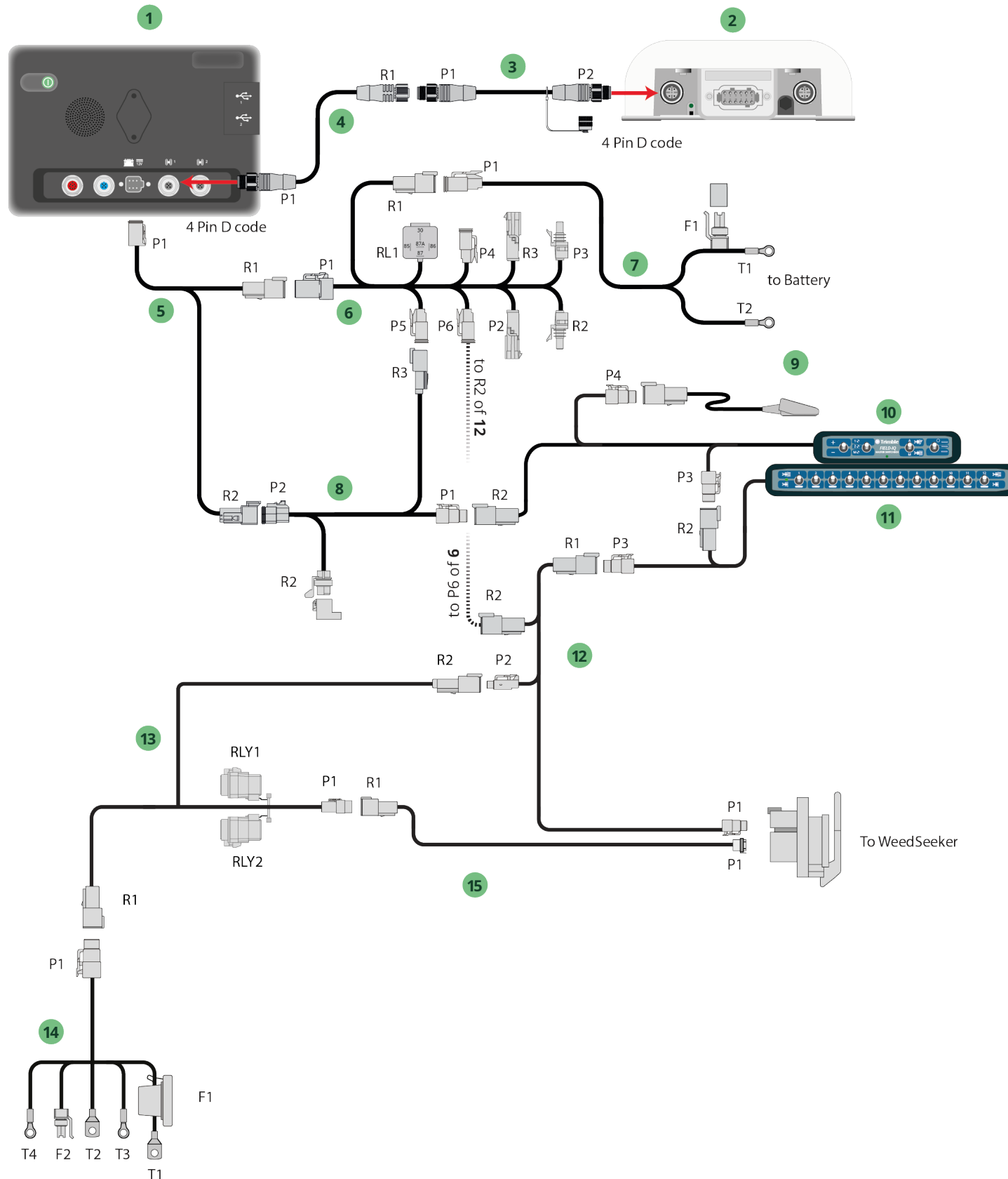
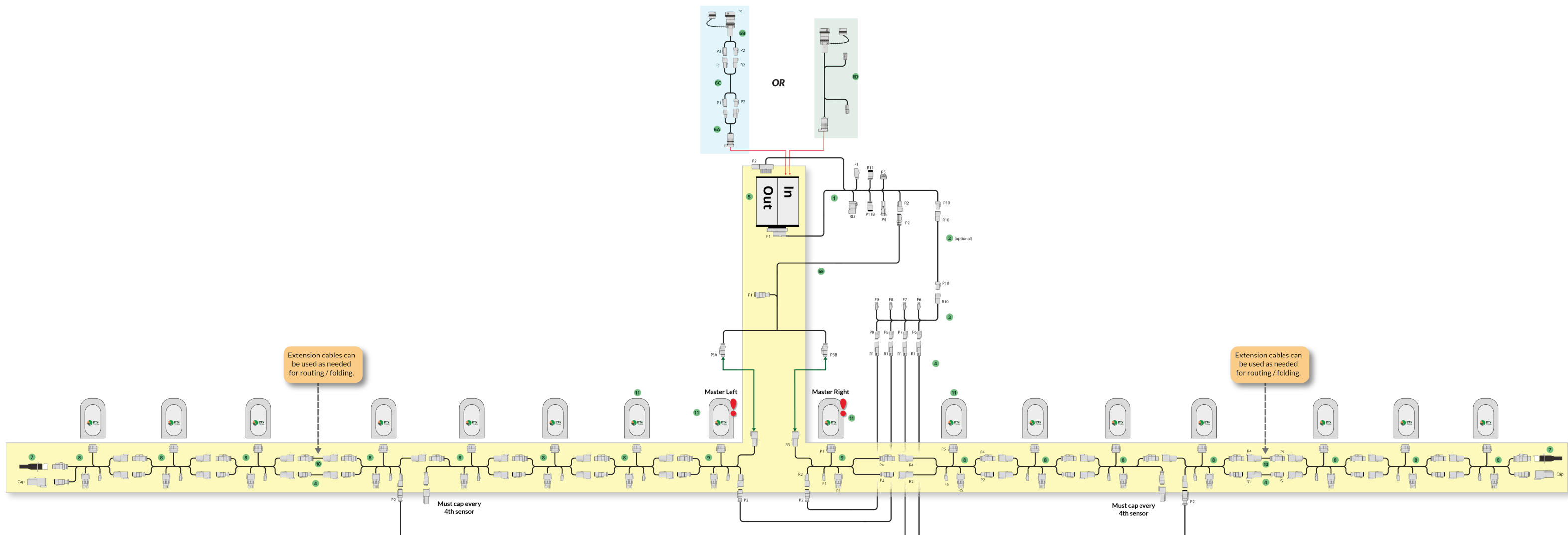


Basic Vehicle Cabling



GFX Display System Cabling		
Item	Description	P/N
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	Optional: Foot Switch	78150
10	Optional: Field-IQ Master switch box	80800-00
11	Optional: 12 section switch box	80600-00
12	Cable Assy, CAN-Cab to hitch, Field-IQ	77368
13	Dual power relay cable	77533
14	Power to cab cable	76941
15	Powell Quick Disconnect, Tractor Side	77413



Master Sync Protection Dongle for PN 114860-00

To prevent premature hardware failure, all 114860-00 Master Sensor locations require the 131573 dongle.

The locations are labelled on sensor harnesses as (MASTER SENSOR).

This dongle should be added to pre-existing installations.

WeedSeeker 2 - 16 Sensor, 12V System		
Item	Description	P/N
1	Cable Assy, WeedSeeker2, 12V CAN Enable ECU to Primary	128227
2	<i>Optional:</i> Cable Assy, WeedSeeker2, HC PWR Extension, 3 meters	128622-3
	<i>Optional:</i> Cable Assy, WeedSeeker2, HC PWR Extension, 6 meter	128622-6
3	Cable Assy WeedSeeker2 12V ECU PWR Singe Power Connector	128929
	Cable Assy WeedSeeker2 12V ECU PWR Two Power Connectors	128930
	Cable Assy WeedSeeker2 12V ECU PWR Three Power Connector	128931
	Cable Assy WeedSeeker2 12V ECU PWR Four Power Connectors	128932
4	Cable Assy, Power Extension X: 3, 6 & 9 meter cable lengths available for order	117586-X
5	ECU, WeedSeeker 2, Trimble ISOBUS	119536-00
6A	CAN-PWR Extension to ECU Adaptor	ME0502036
6B	Powell Quick Disconnect Implement Side	77611-01
6C	CAN-PWR Extention	75528-XX
6D	ISO Harness	ME0502001-XX
6E	Cable Assy, ECU PWR and CAN Harness	117585
Option	Cable Assy, WeedSeeker2, CAN/SYNC Cable to "Master" Primary Sensor, Extension Compatible	124174
Option	Cable Assy, WeedSeeker2, CAN/SYNC, Extension (optional for 124174, used to extend CAN Bus) Cannot be used with 117585	124228
7	Terminator, WeedSeeker2, Serial and Sync	117587
8	Cable Assy, 1 Sensor and Valve Harness, Secondary	131750
9	Cable Assy, 1 Sensor and Valve Harness, Primary with CAN	131749
10	<i>Optional:</i> Cable Assy, WeedSeeker2, Serial and Sync extension X: 3 & 6 meter cable lengths available for order	118475-X
11	Model WS-200 WeedSeeker2 Sensor	114860-20
	Bracket, WS-200 Sensor, Bottom mount	119343
	OR Bracket, WS-200 Sensor, Front mount	119344
	OR Bracket, WS-200 Sensor, Top mount	119345
12	1GPM Solenoid Valve w/ Nozzle Body (<i>not shown</i>)	350-5-027
	Bracket, Solenoid, WS200, Bottom Mount	121470
	OR Bracket, Solenoid, WS200, Front Mount	121469
	OR Bracket, Solenoid, WS200, Top Mount	121468

WEEDSEEKER 2 BEST PRACTICES

- ▶ The recommended spacing for WeedSeeker 2 sensors is 20 inches (51 cm) apart while centered on the boom. For agricultural applications, they should be mounted flat.
- ▶ Optimal operating height is 31.5 inches (80cm), with a recommended operating range of 24 to 39 inches (60 to 100 cm).
- ▶ Each system needs to have a left and a right "master" primary sensor, and one or more secondary sensors per each left and right side.
- ▶ Do not chain all system sensors to a single power drop.
- ▶ Never place more than four sensors on a single cable power drop on a 12V system.
- ▶ All WeedSeeker 2 installations use EVEN type nozzles.
- ▶ Do not extend cables 117585 on the p3a or p3b connections. Each CAN cable should not exceed one meter in order to avoid signal and performance issues.
- ▶ If ECU power and CAN harness needs to be extended, use 124174 and 124228.
- ▶ Extension cables are optional.
- ▶ Power caps from the connectors on Harness 3 can be used to cap every fourth daisy chained sensor harness.
- ▶ A PTx Trimble or ISOBUS compatible display with VT/UT unlocked will give you the basic functions of WeedSeeker 2 (Task Control is not required).
- ▶ Guided steering is not required to run a WeedSeeker 2 system.
- ▶ Do not pull power off the 12V of the WeedSeeker 2 cabling to supply power to any sprayer components.
- ▶ Adding accessories which draw power, including visual indication options, are not recommended.
- ▶ For 12V systems, Precision-IQ can be used to configure up to 18 sections across the possible 24 controllers.
- ▶ Be sure to install the dual relay cable (PN 77533) to tie the system on/off behavior to the display.
- ▶ It is advisable to install a strainer ahead of the valve. Note the arrows for flow direction. The coil will radiate heat; therefore, it should **not** be enclosed. If the coil fails, the valve can be opened by removing the plunger.