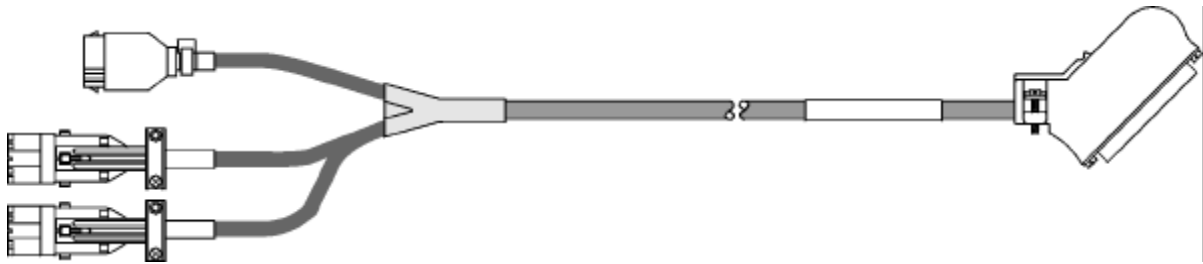
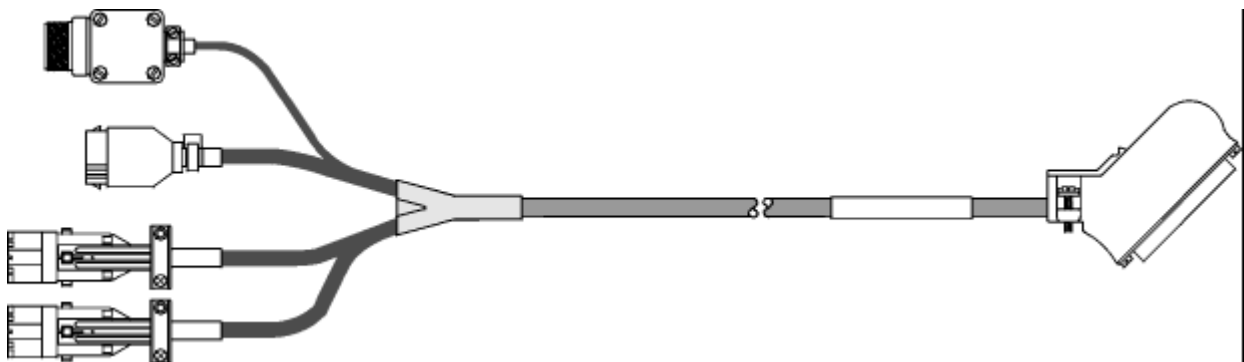


DELTA 3/4 & Apollo 3 - PS 8000 UPDATE KIT - WIRING INSTRUCTIONS

Delta 3 & Apollo 3 to Pro-Series Upgrade Cable Part No. S/CB/268-5-020



Delta 4 to Pro-Series Upgrade Cable Part No. S/CB/268-5-021



Where either of the above cables is supplied then simply connect to the existing Harting shells, Sprayer Interface cable and in the case of a Delta 4, the Jaeger connector for the pressure sensor.

IMPORTANT! Also read Note 1 overleaf.

Delta 3/4 to Pro-Series Upgrade cable (without Harting connectors)

Once the remaining stock of Harting connectors is depleted, cables S/CB/268-5-020 and -021 will be superseded by a new upgrade cable, utilising 1/4" crimps for connection to the Harting connector shells.

NOTE: Wire colour/function will be the same as the standard Pro-Series head unit cable S/CB/268-1-012.

Where this cable is supplied then refer to the table overleaf, in particular for the Harting connections.

Upgrading using the standard Pro-Series 40-core head unit cable S/CB/268-1-012

There are two options:-

Option 1. Use the standard Apollo junction box and connect as directed in the Installation leaflet S/DC/500-10-311.

Option 2: If not using a junction box then proceed as follows, referring to the table overleaf for the connections.

- (i) Run the Pro-Series cable back to the existing Harting connectors. If necessary, cut excess cable and strip back outer sheath.
- (ii) Re-route (if necessary) the 12 -core interface lead from the sprayer switchbox back adjacent to the Harting connectors. Cut off the 12-way BICC connector and excess cable and strip back the outer sheath.
- (iii) On a Delta 4 installation re-route (if necessary) the pressure sensor lead back adjacent to the Harting connectors. Cut off the Jaeger connector and excess cable and strip back the outer sheath.
- (iv) Using 1/4" spade crimps, connect the existing wiring to the 40-core head unit cable according to the table overleaf.
- (v) All 0V connections should be commoned (e.g. using a "chocolate block" connector) with the blue and black wires of the 40-core head unit cable.

Delta		Function	Pro-Series		Cable Ref.
Cable Ref.	Wire colour /Terminal		Wire colour	Pin	
12-core Interface lead from sprayer switchbox [see note 1]	Red	Boom 1 Recognition	White-Orange	8	S/CB/268-1-012 40-core cable from head unit
	Pink	Boom 2 Recognition	White-Brown	7	
	White	Boom 3 Recognition	White-Blue	6	
	Grey	Boom 4 Recognition	White-Yellow	5	
	Violet	Boom 5 Recognition	White-Green	4	
	Turquoise	Boom 6 Recognition	White-Red	3	
	Green	Boom 7 Recognition	White-Black	2	
	Yellow	Boom 8 Recognition	Green	1	
	Orange	Boom 9 Recognition	Grey	24	
	Blue	External Alarm O/P	White	18	
	Black ^[3]	Master Cutout	Pink	27	
	Brown	Inflow Shut Off	Red-Yellow	34	
Grey Harting	1	Power 0V	Blue	31	
			Black	32	
	2	Forward Speed 0V	Blue/Black	31/32	
	3	Cutout 0V	Blue/Black	31/32	
	4	Power +V	Red	12	
			Dark Brown	13	
	5	Forward Speed Input [see note 2]	Orange	36	
6 ^[3]	Cutout +V	[See note 3]	-		
Blue Harting	1	Valve - V	White-Violet	48	
	2	RPM 1 (Engine) Input	Yellow	20	
	3	Flow sensor 0V	Blue/Black	31/32	
	4	Valve +V	White-Grey	47	
	5	RPM 2 (PTO) Input	-	-	
	6	Flow sensor Input	Tan	37	
Jaeger Lead (Delta 4)	Brown (Pin1)	Pressure sensor +V	Red/Dark Brown	12/13	
	Green-Yellow (Pin 2)	Pressure sensor Input	Violet	25	
	Blue (Pin 4)	Pressure sensor 0V	Blue/Black	31/32	

Note 1: You should check that the interface lead connections within the sprayer switchbox correspond to the wire colours given in the table above. Should this not be the case then you must re-solder the wires to the relevant switches in the sprayer switch box, so that the individual boom sections will be recognized correctly by the head unit.

Note 2: To counter debounce error, the cable is modified with a 100 nF capacitor soldered across terminals 3 and 5 in the Harting plug. To confirm, a yellow component should be visible through rear of the plug. If it is not fitted, or if you are upgrading using an upgrade cable without Harting connectors, or the standard Pro-Series head unit cable, then you should connect this component (RDS Part No. C548-006) across the forward speed sensor input at a convenient point (e.g. the Harting connector).

Note 3: The Delta used this input only when full width was selected. This connection is redundant for the Pro-Series installation where the master cutout is via the black wire of the sprayer interface lead.

* If your master cutout switch operates independently of the boom section switches, then link pin 6 of the Grey Harting and the Black wire of the 12-core Interface lead from the sprayer switchbox.