

# ***Martin 16 Power-Assist System – Mk IV***

*Self-contained, portable, power-assisted steering and sail sheeting system*

## ***“House power” wiring Harness***

**Any 12V power source** can provide power to Mk IV Power Assist System Module, , including: 1) the portable Power-Assist Mk IV Battery Module or 2) “house power” on boats equipped with 12V DC power.

Power is supplied through TWO six-pin female BULGIN connectors. Any Mk IV Module may be plugged into either connector.



In addition to supplying 12V power (pin 1 and 2), the wiring harness includes three CONTROL conductors (pin 4, 5, and 6) to interconnect the WINDLASS with either 1) Mk IV Joystick Module or 2) Mk IV Sip & Puff Module.

The wiring of the two connectors is as follows:

Pin #	Function	Wire color (typical)	
1	+12V	RED (CAN) or BROWN (UK)	
2	GND	BLACK(CAN) or BLUE (UK)	
3	N/C	N/C	
4	WINDLASS LAMP	YELLOW	
5	WINDLASS “OUT”	GREEN	
6	WINDLASS “IN”	WHITE	

**CAUTION:** The +12V power lead from the house battery must include an in-line 30A fuse (circuit breaker) in the wiring harness.

**CAUTION:** The pin numbers on the BULGIN connectors are imprinted into the plastic, located on the BACK FACE of the connector, near each pin fastener. These pin designations are very small and will require a magnifying glass to read.

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