Sport EX to Sport SX Harness Adapter Connector Pinout Diagram

This adapter allows for the connection of the 37 pin Sport SX EFIS harness to a Sport EX EFIS with minimal wiring changes, making the additional functionality of the Sport EX available via unused pins on the Sport SX harness connector. Additional wires and pins may be added to utilize these functions but are not included with the adapter.

Included with the adapter are four 1/2" machine screws and four fiber washers which must be used underneath the screw heads.

Pin		Function	Wire Color
1	▶	Primary Power Input	RED
2	▷	Secondary Power Input	RED/BLU
3	▶	Ground	BLK
4	▶	Magnetometer Ground	BLK
5		Oil temp [Note 1]	
6	▶	Magnetometer Serial In	WHT/BRN
7		Discrete Out 1 [Note 2]	
8		Discrete Out 2 [Note 2]	
9	▶	Magnetometer Power	WHT/RED
10			
11			
12			
13	☐	Analog Input 1 [Note 2]	
14	☐	Analog Input 2 [Note 2]	
15	☐	Analog Input 3 [Note 2]	
16	☐	Analog Input 4 [Note 2]	
17	☐	RS-485A	
18	☐	RS-485B	
19	☐	RX6 [Note 3]	

Pin		Function	Wire Color
20	☐	Audio Out	
21	▷		RED/WHT
22	☐	TX6 [Note 3]	
23	☐	Audio Ground	
24	☐	Oil Pressure [Note 1]	
25	☐	Tachometer [Note 1]	
26	☐	RX5 [Note 3]	
27	☐	TX5 [Note 3]	
28	☐	Warning Light	
29	▷	OAT Sensor	GRY
30	☐	RX1	
31	▷	RX2	GRN/BLK
32	☐	RX3	
33	☐	RX4 [Note 3]	
34	▷	TX1	BLU
35	☐	TX2	
36	☐	TX3	
37	☐	TX4 [Note 3]	
▶	**Connected in Wiring Harness**		
▷	**Supplied as Loose Pinned Wires**		
☐	**Optional Wiring**		

Notes:

1. Requires Basic Engine Monitoring Option.

2. Requires Analog Ports Option.

3. Requires Additional Serial Ports Option.