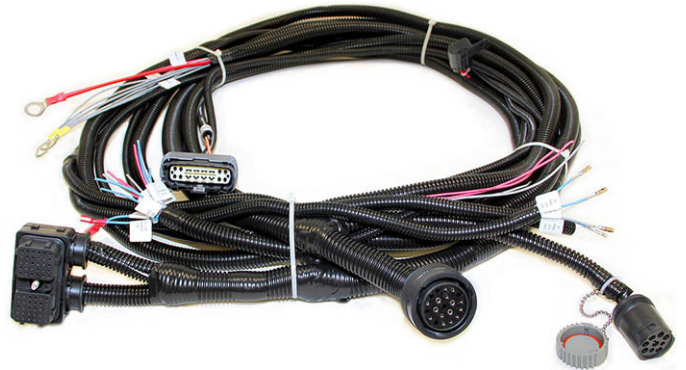


Murphy Industrial Harnesses

MurphyLink® Series

The MurphyLink Series ML Panels are universal to all engines. The adaptation to the engines will be through the MIH Harness, which is built to the specifications of each engine manufacturer and customer. When requesting the MIH Harness, specific information will be obtained so that the correct harness may be built for your engine.



Features

- Connect any MurphyLink Panel to major engine manufacturers' engines
- Customizable per specific customer application and requirements
- Standard 21-pin Deutsch connector interface
- Manufactured in the USA
- Built to strict quality standards for long-term reliability

How to Order

Part Number	Model	Description
Caterpillar Engines		
32000137	MIH-CA-40P-T2-ADEM3-6	Tier 2, 40 pin ECU connection
32000138	MIH-CA-64P-T3-A4E2-6	Tier 3, C4.4 & 6.6, 64 pin ECU connection
32000171	MIH-CA-70P-T3-A4-6	Tier 3, All C series except 4.4 and 6.6
32000160	MIH-CA-70P-IT4-A4E4-6	iT4, CAT C18-32
32000148	MIH-CA-70P-IT4-A4E4-6-12 VDC	iT4, 12 VDC, C9.3, C13, C15, C18 (<750 hp)
32000150	MIH-CA-70P-IT4-A4E4-6-24 VDC	iT4, 24 VDC, C9.3, C13, C15, C18 (<750 hp)
32000159	MIH-CA-70P-IT4-C4.4-12 VDC	iT4, CAT4.4
32000151	MIH-CA-70P-IT4-C7.1-6-12 VDC	iT4, CAT7.1
32000170	MIH-PK-94P-IT4/T4-C3.4/P854F-E34T	IT4/FT4, C3.4 without DEF/SCR (Supplied with IOPU ADAPTER (21 pos to 12 pos))
32000155	MIH-CA-86P-T4-C4.4-6	FT4, C4.4 (to be used only on engine without customer interface connector, connects directly to ECU)
32000189	MIH-PK/CA-70P-T4F-C4.4-W/CIC-6	FT4, C4.4, To 70 pin customer interface connector
32000188	MIH-CA-70P-FT4-C7.1-6	FT4, C7.1, To 70 pin customer interface connector
32000167	MIH-CA-70P-T4-C9.3-C18, 24V	FT4, 24 Volt Only, C9.3-18
32000215	MIH-PK/CA-58P-FT4-404FE/C2.2	FT4, C2.2-Engine harness for engine without ENG MFG Umbilical harnesses (connects directly to ECU)

How to Order, cont.

32000224	MIH-PK/CA-94P-FT4-C3.4/P854F	FT4/Stage V, C3.4 with DEF/SCR
Caterpillar Engines (continued)		
32000202	MIH-CA-MECH-C2.2-15	Mechanical, C2.2 engine. Works with only ML1000, ML2000 & TEC 10 (Check with engineering)
32000222	MIH-CA-MECH-C4.4,WIRE HARNESS	Mechanical, C2.2 engine. Works with only ML1000, ML2000 & TEC 10 (Check with engineering)
32000227	MIH-CAT-70P-T4F-C9.3B,24V	FT4, 24VDC, C9.3B
32000225	MIH-CA-70P-T4F-C9.3-C18,12V	FT4, 12 VDC, C9.3-18
32000190	MIH to IOPU Jumper Harness	MIH to IOPU Jumper Harness (21 pos to 12 pos connector)
Perkins Engines		
32000138	MIH-CA-64P-T3-A4E2-6	Tier 3, 1204 & 1206, 64 pin ECU connection
32000159	MIH-CA-70P-IT4-C4.4-12 VDC	iT4, 1204
32000151	MIH-CA-70P-IT4-C7.1-6-12 VDC	iT4, 1206
32000155	MIH-CA-86P-T4-C4.4-6	FT4, 1204 (to be used only on engine without customer interface connector, connects directly to ECU)
32000189	MIH-PK/CA-70P-T4F-C4.4-W/CIC-6	FT4, 1204, To 70 pin customer interface connector
32000188	MIH-CA-70P-FT4-C7.1-6	FT4, 1206, To 70 pin customer interface connector
32000170	MIH-PK-94P-IT4/T4-C3.4/P854F-E34T	IT4/FT4 P854F-E34T without DEF/SCR (Supplied with IOPU adapter (21 pos to 12 pos))
32000190	MIH to IOPU Jumper Harness	MIH to IOPU Jumper Harness
Cummins Engines		
32000149	MIH-CU-50P-T2-CM570-12	Tier 2, QSM/QSX
32000134	MIH-CU-50P-T2-CM570-6	Tier 2, QSM/QSX
32000195	MIH-CU-60P-T3-CM2150C-6	Tier 3, QSB 3.3
32000147	MIH-CU-50P-T3-CM850-12	Tier 3, QSB, QSC, QSL
32000152	MIH-CU-60P-IT4-CM2250-6	IT4, QSB6.7, QSL9, QSL11.9, QSL15
Detroit Diesel Engines		
32000168	MIH-DD-30P-T3-DDECIII/DDECIV-6	Tier 3, DDEC III/IV ECM
32000139	MIH-DD-68P-T3-DDECV-6	Tier 3, 50/60 Series, DDEC V ECM
Doosan Engines		
32000197	MIH-DO-56P-T4F-D18/D24	FT4, D18/D24 Engines (for Delphi ECU)
32000173	MIH-DO-56P-T4F-D34-6	FT4, D34 LHP Engines (for Delphi ECU)
32000201	MIH-JCB-62P-T3-DCM3.3-6,	FT4, D34 SCR Engines (for Delphi ECU)
32000223	HARNESS, W/PV380-D10-4800	D10-4800 kit Supplied with PV380, ON/OFF switch, engine harness, ECU bracket, relays
32000220	HARNESS, W/PV380-D10-4500	D10-4500 kit Supplied with PV380, ON/OFF switch, engine harness, ECU bracket, relays
JCB Engines		
32000196	MIH-JCB-29P-FT4-IPU	FT4 Industrial Power Unit Engines
32000154	MIH-JCB-62P-T4-DCM3.3-6	iT4 and FT4
32090037	MIH-JCB-62P-T4-DCM3.3-6	Tier 3 JCB engine harness

How to Order, cont.

PSI Engines		
32000194	MIH-PSI-16P-GAS-4	NG, GM engine with EControls ECU
Scania Engines		
32000132	MIH-SCANIA-8P-FT4-EMS-XPI-6	FT4, 24VDC, Scania DC-9/DC-13/DC-16
Volvo Engines		
32000200	MIH-VO-8P-T4-6	FT4, Volvo engine
WeiChai Engines		
32000229	MIH-WEICHAI-16P-FT4-10'-WP4-13	FT4, WP4/WP6/WP10/WP13
FPT Engines		
32000200	MIH-VO-8P-T4-6	FT4, Volvo engine
32000216	MIH-FPT-96P-FT4-6.7-6-12V	FT4, 12V (check with Engineering)
Hatz Engines		
32000198	MIH-HATZ-32P-FT4-4H50-20, W/TSC1 only	FT4, This harness works only with panels/controllers that can perform throttle over CAN (TSC1)
All Engines - Extension Harnesses		
78001035	MIH, Extension	Harness, 6-feet long
78000294	MIH, Extension	Harness, 12-feet long
78000293	MIH, Extension	Harness, 20-feet long