

ECM MOTOR ACCESSORIES AND PROGRAMMING EQUIPMENT

Table of Contents

Serial Box

8794702AEG1	– Serial Box Kit	01
8794702AEG2	– Serial Box Kit (w/ European Plug)	02

Cords – Serial Box to Motor

8794707EDG01	– Serial Box EON® Motor Connector	03
8794700GAG01	– EON Motor Integrated Connector	04
8794707LR	– Single Cable Harness for EON Motor	05
8794707LC	– Endura® Pro Motor Connector	06
8794700GBG01	– Endura Pro Motor Integrated Connector	07
8794707HR	– 3.0 Connector	08
8794707LD	– 142R and EON 42 Motor Programming Cable	09
8794707PC	– EON Motor 42 Programming Cable	10
8794707NJ	– 142R 460V Connector	11
8794707JH	– RJ45 to 4-pin Connector	12
8794707SWG01	– Ensite® Motor Connector	13
8794707SH	– Serial Box Pika Connector	14
8794707SCP3	– Pika Connector	15

Cords – Serial Box to PC

8794724AP	– Serial Box Serial Cable	16
8794740JN	– USB to Serial Adapter for PC	17

Replacement Parts

8794707EH	– Serial Box Power Cable	18
8794707GHG01	– Endura® Pro Motor Replacement Connector	19
8794724BLP2	– RJ45 to Serial (RS232) Cable	20

Miscellaneous

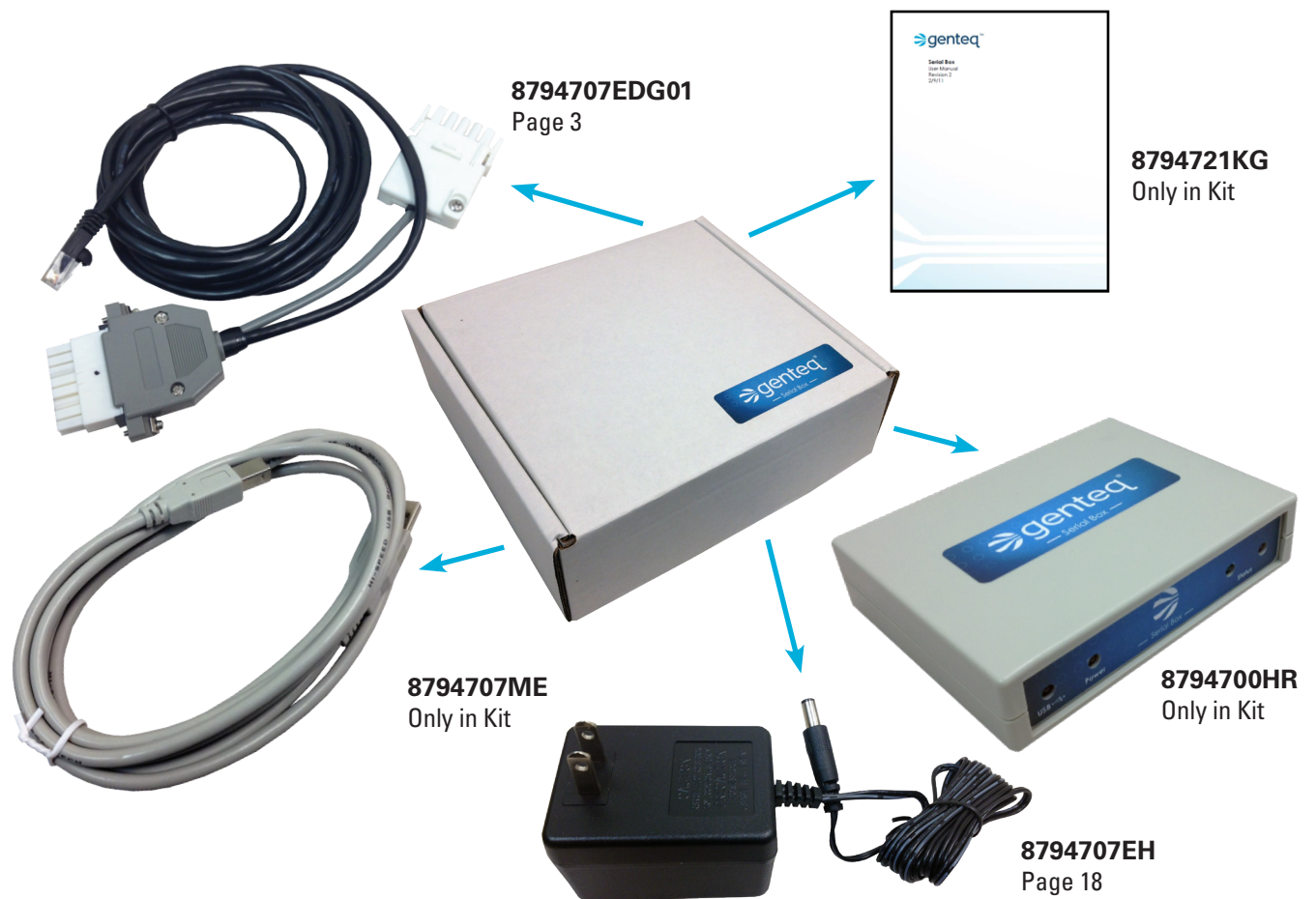
8794700FSG01	– Genteq® TECINspect® Diagnostic Tool	21
8794707JF	– 16-pin to 4-pin Converter	22
8794740DE	– PFC Choke	23
8794707FK	– Power (120VAC) Cable Harness	24
2518661-001	– 0 to 10VDC EON® Motor Adapter	25
2518661-002	– 4 to 20mA EON Motor Adapter	26
8794700HJ	– 0 to 10VDC 3.0 Adapter	27
8794707SM	– Pika Field Adjust	28
8794702AHG01	– Electrand™ Programmer	29
8794707STG01	– Endura®/Endura Pro Motor to Ensite® Motor Adaptor	30

Serial Box



8794702AEG1 – Serial Box Kit

Description: Comes with ... serial box, 120VAC adapter, signal (RJ45) cable harness with separate 5-pin and 16-pin connectors, USB cable, user manual.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- All ECM motor models require Serial Box to program the motor.
- Serial Box contains programming cable for EON® motor only.
- All other cables purchased separately

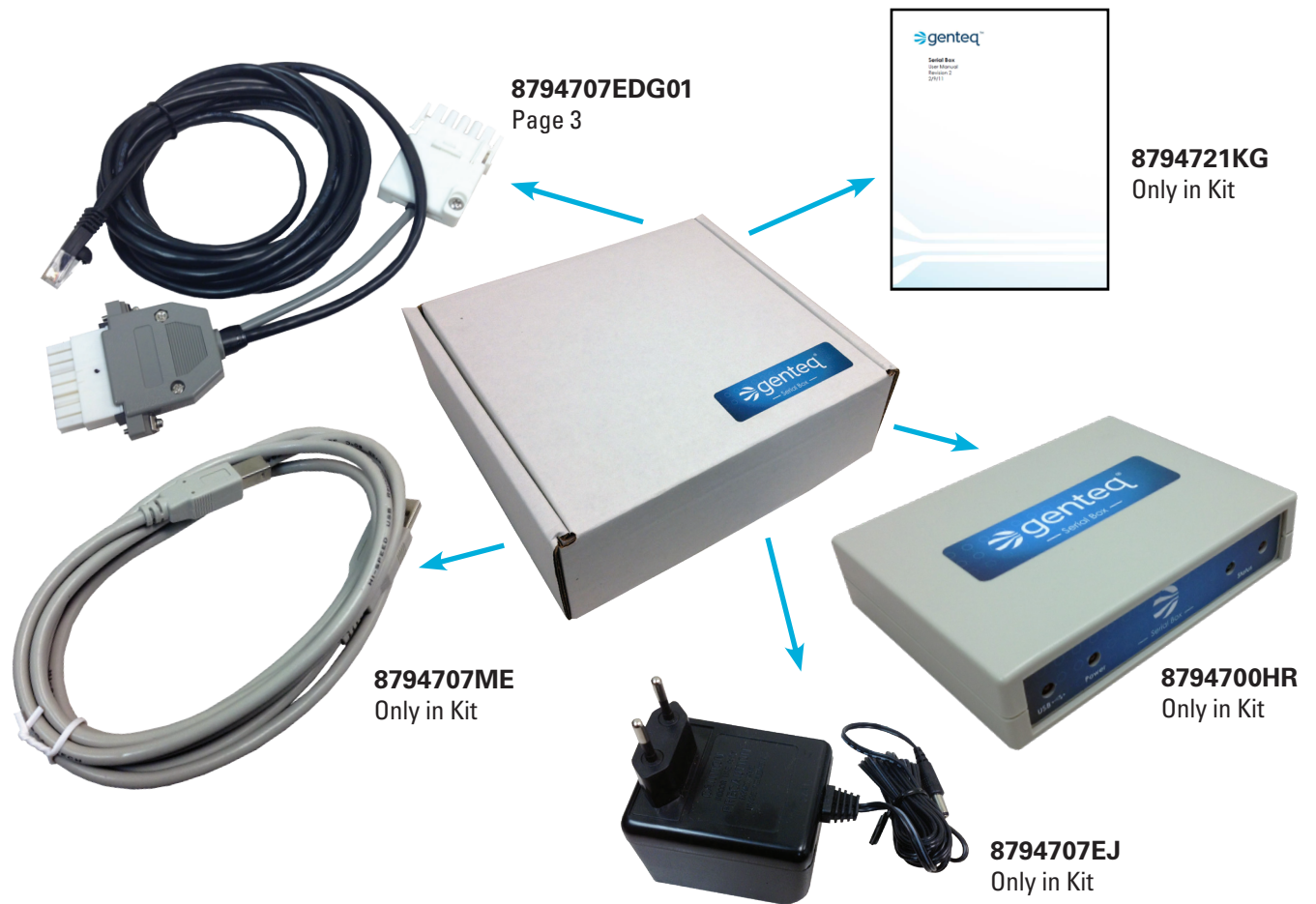
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X	X	X		X	X	

Serial Box

8794702AEG2 – Serial Box Kit (w/European Plug)

Description: Comes with ... serial box, 240VAC adapter, signal (RJ45) cable harness with separate 5-pin and 16-pin connectors, USB cable, user manual.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- All ECM motor models require Serial Box to program the motor.
- Serial Box contains programming cable for EON® motor only.
- All other cables purchased separately.

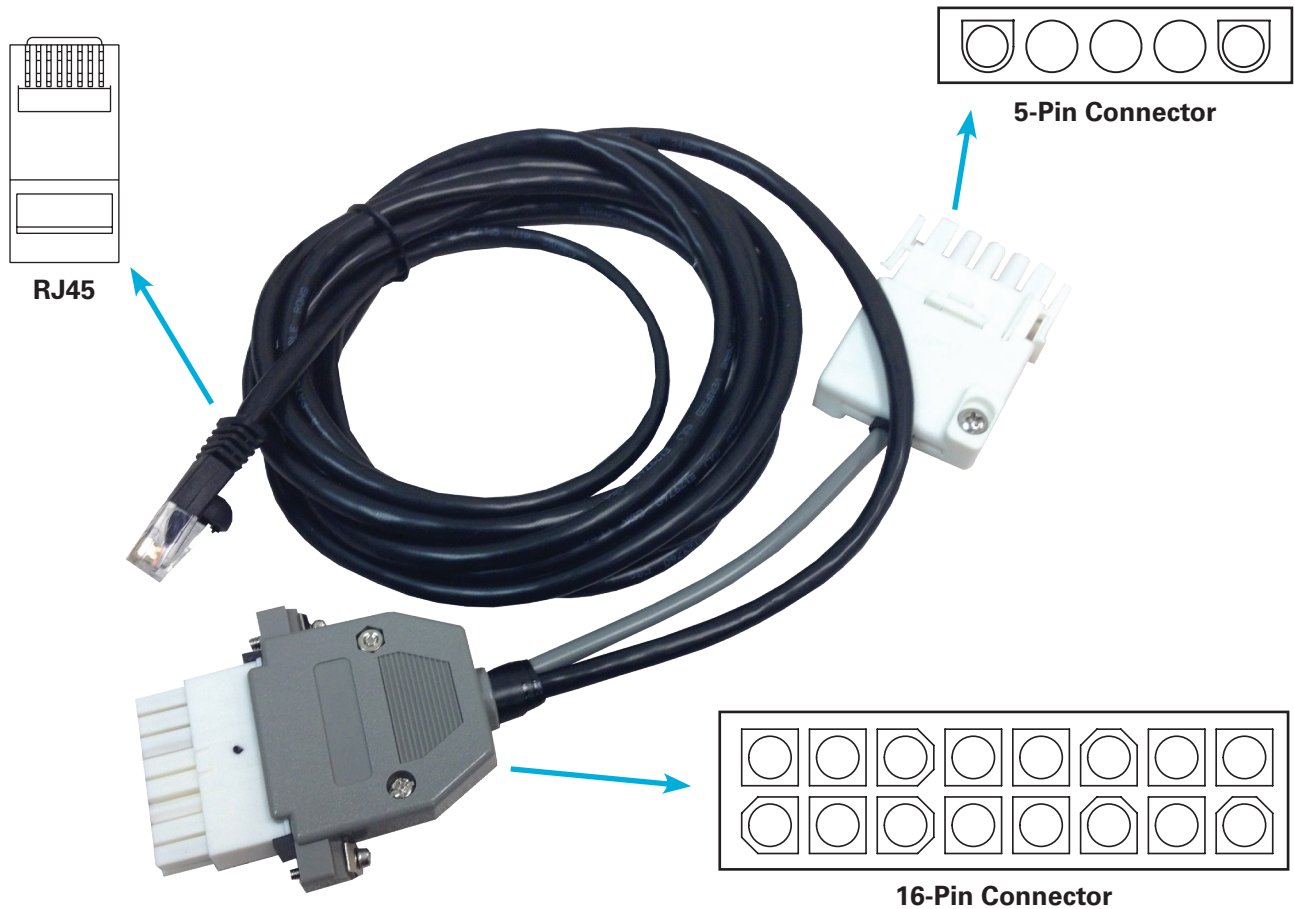
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X	X	X		X	X	

Cords - Serial Box to Motor

8794707EDG01 – Serial Box EON® Motor Connector

Description: Cable from serial box to motor. Signal (RJ45) cable harness with separate 5-pin and 16-pin connectors.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length from RJ45 to 16-pin connector is 10 feet.
- Cable length from 16-pin to 5-pin connector is 8 inches.

Used With Motor:

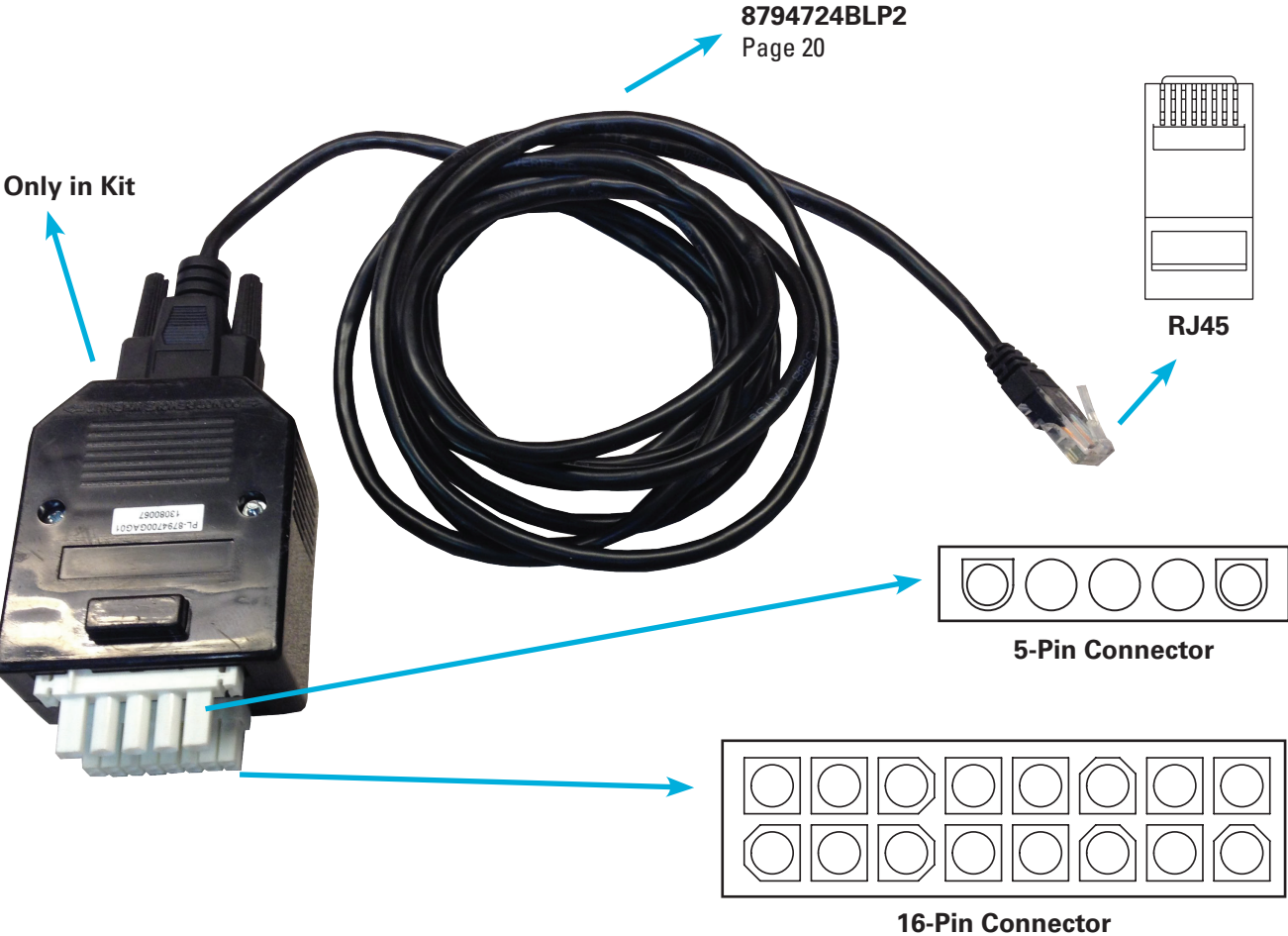
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794700GAG01 – EON® Motor Integrated Connector

Description: Cable from serial box to motor. Signal (RJ45) cable harness. Ideal for production programming.



Used For:

LAB: No
 PROD: Yes
 FIELD: No

Notes:

- Cable length from RJ45 to serial connector is 10 feet.

Used With Motor:

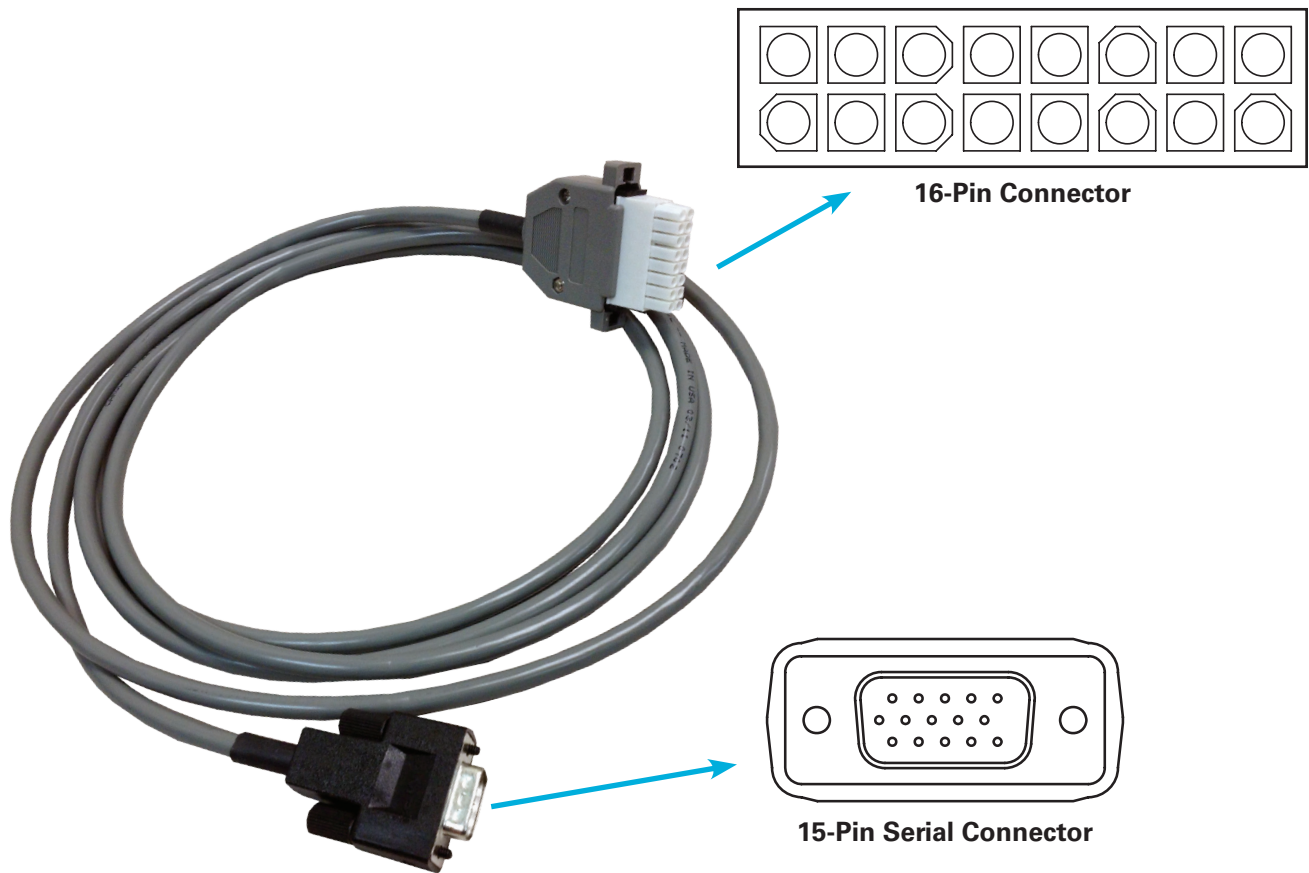
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707LR – Single Cable Harness for EON® Motor

Description: Development cable – Serial to 16-pin connector. For use with development unit and analyzer in ECM toolbox.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length from 16-pin to Serial connector is 10 feet.

Used With Motor:

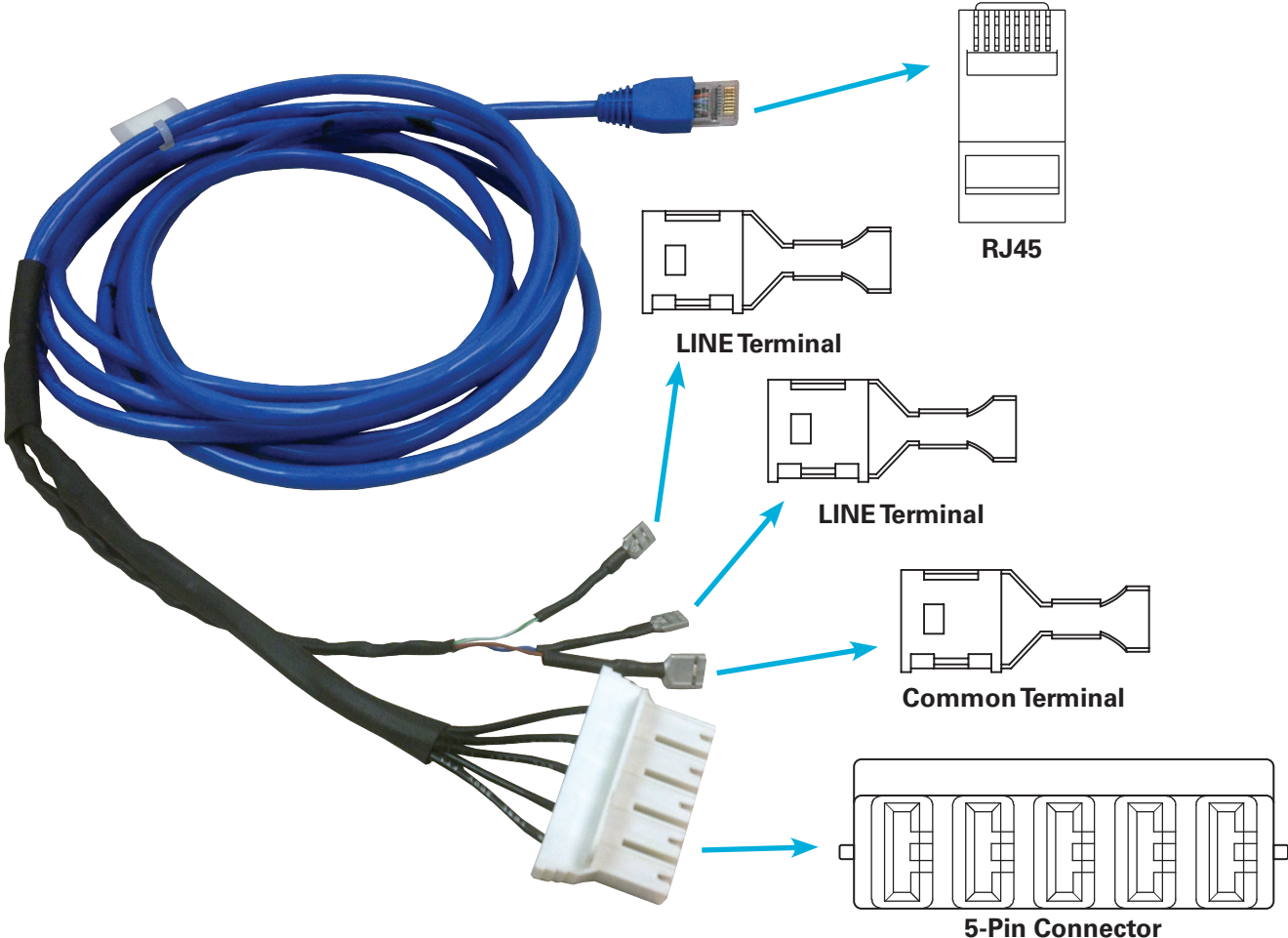
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707LC – Endura® Pro Motor Connector

Description: Signal (RJ45) cable from serial box to motor. Five taps in one connector with flying leads to common and power. Ideal for lab use.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length RJ45 to 5-pin connector is 10 feet.
- Cable length RJ45 to 3 Quick Connects is 10 feet.

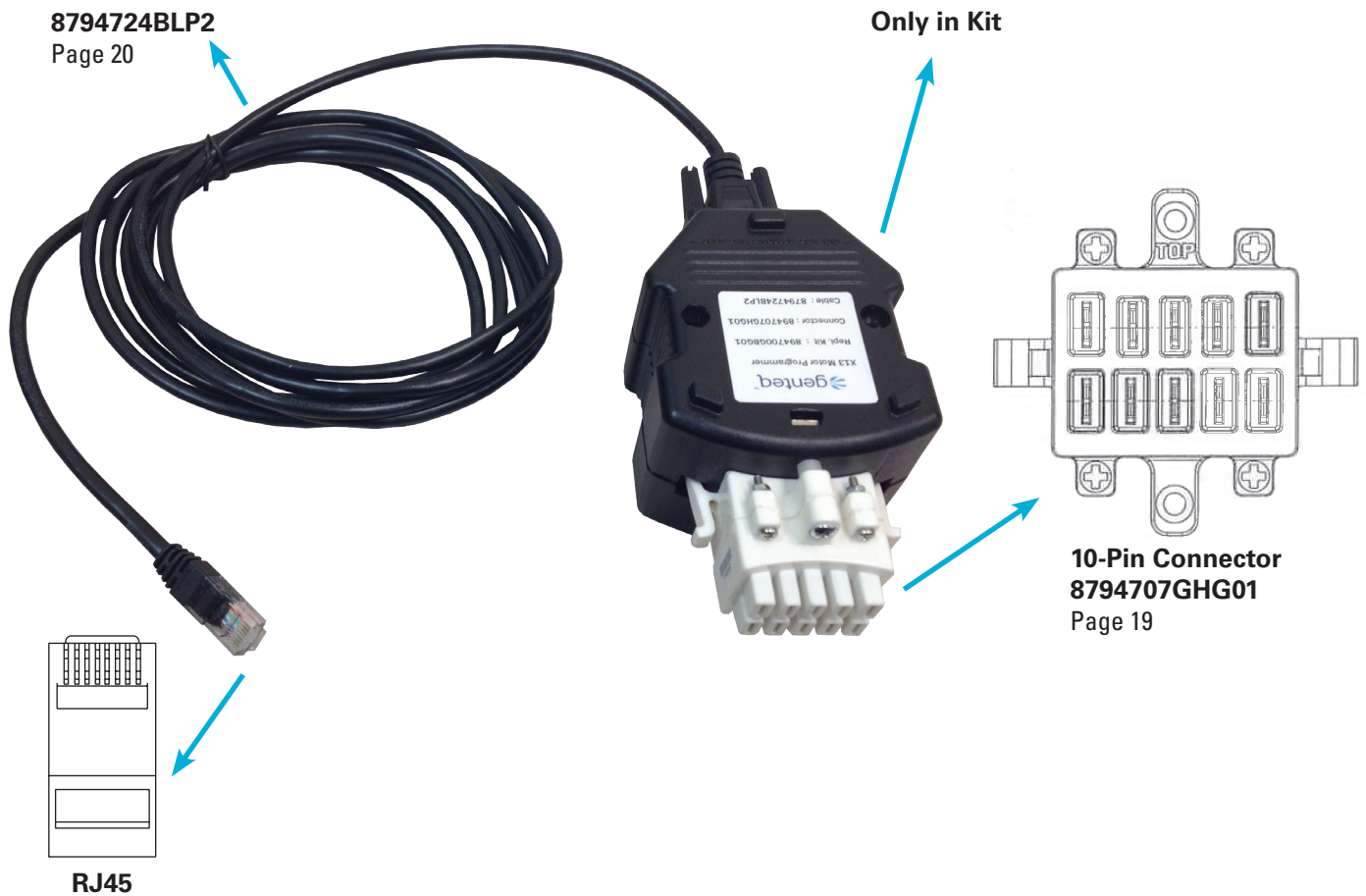
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
			X	X	X				

Cords - Serial Box to Motor

8794700GBG01 – Endura® Pro Motor Integrated Connector

Description: Cable from serial box to motor. Signal (RJ45) cable harness. Ideal for production programming.



Used For:

LAB: No
 PROD: Yes
 FIELD: No

Notes:

- Cable length RJ45 to Serial connector is 10 feet.

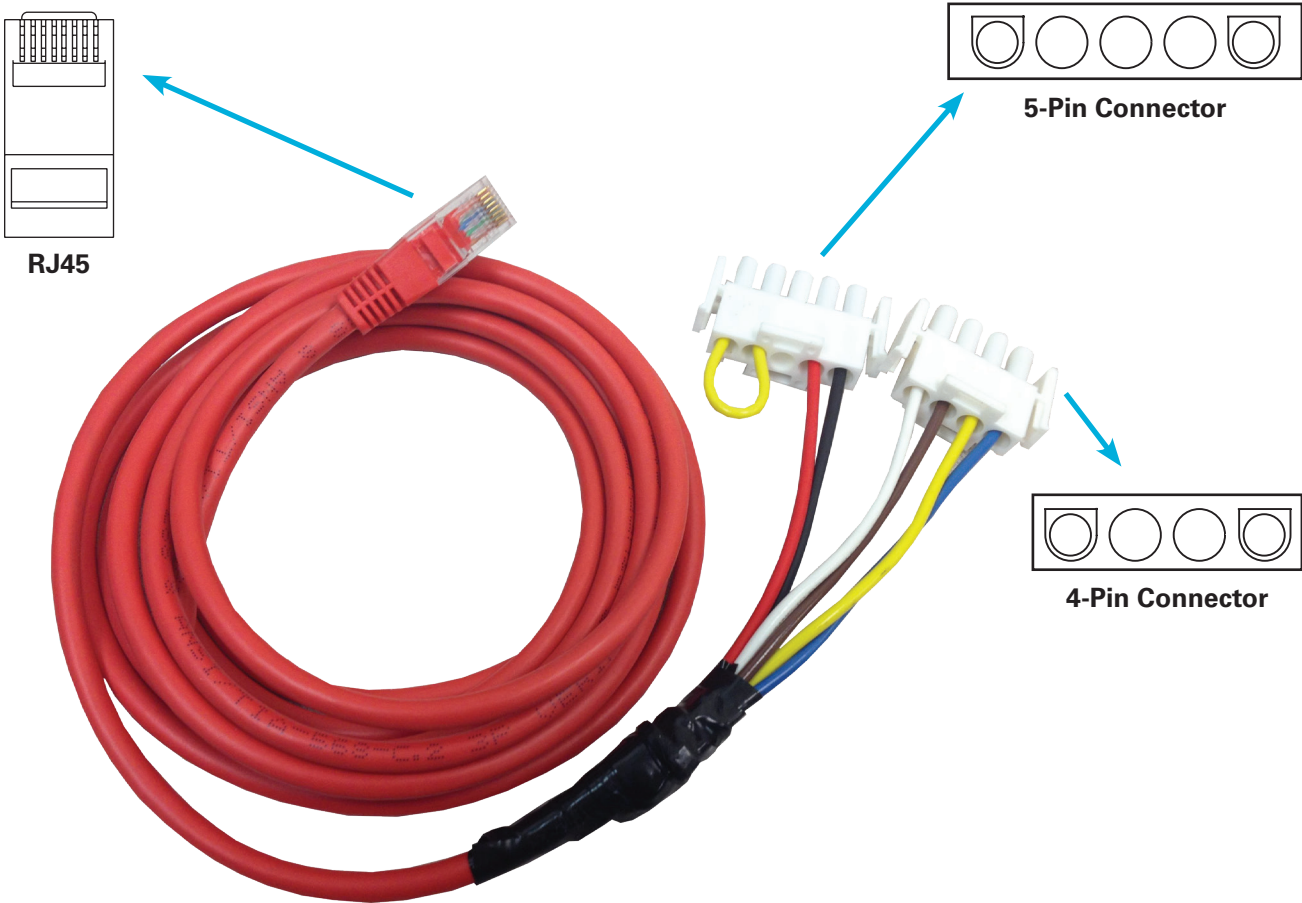
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
			X	X	X				

Cords - Serial Box to Motor

8794707HR – 3.0 Connector

Description: Cable from serial box to motor. Signal (RJ45) cable harness with separate 5-pin and 4-pin connectors.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length RJ45 to 4-pin connector is 10 feet.
- Cable length RJ45 to 5-pin connector is 10 feet.

Used With Motor:

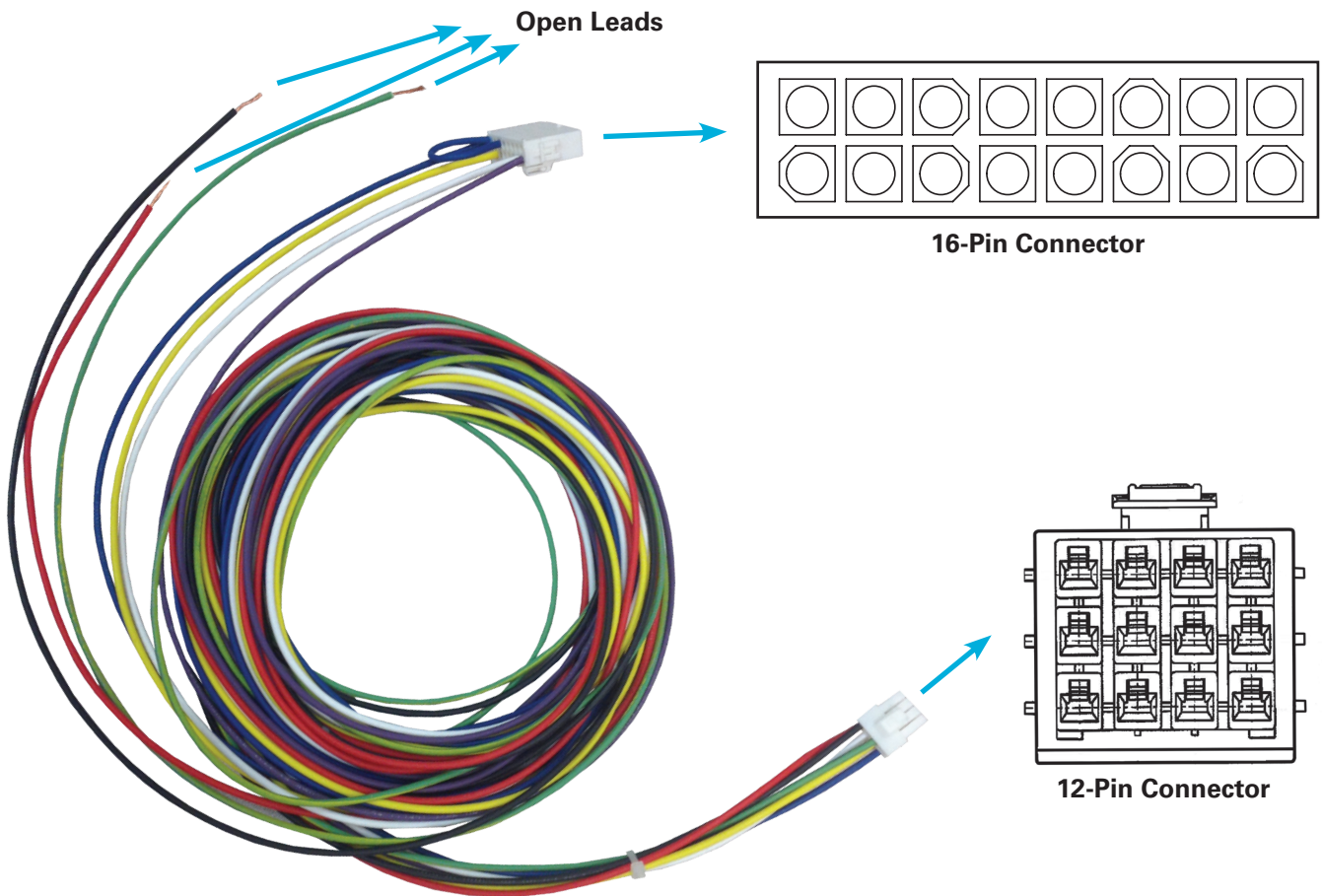
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707LD – 142R & EON® 42 Motor Programming Cable

Description: 142R cable with adapter to 16-pin EON motor signal with bare wire strip for power. Power to red and black open leads is required to program motors or to run motors. Minimum 50VAC for programming.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from 12-pin to 16-pin connector is 10 feet.
- Cable length from 12-pin to open leads is 10 feet.

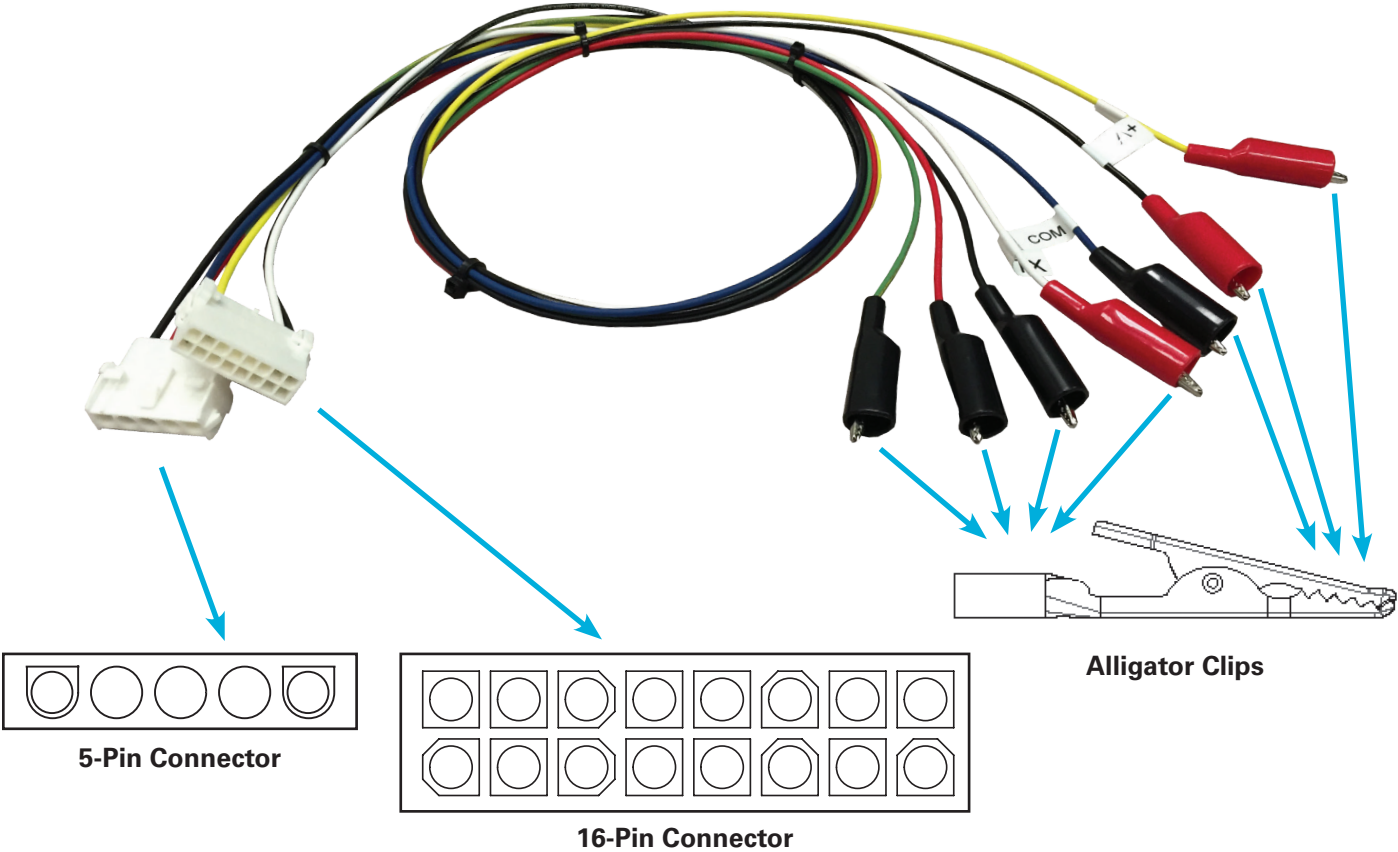
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
	X								

Cords - Serial Box to Motor

8794707PC – EON® 42 Motor Programming Cable

Description: EON 42 motor cable with a 16-pin connector for signal and 5-pin connector for power. Alligator clips used for programming.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length from 16-pin to Alligator clips is 24 inches.
- Cable length from 5-pin to Alligator clips is 24 inches.

Used With Motor:

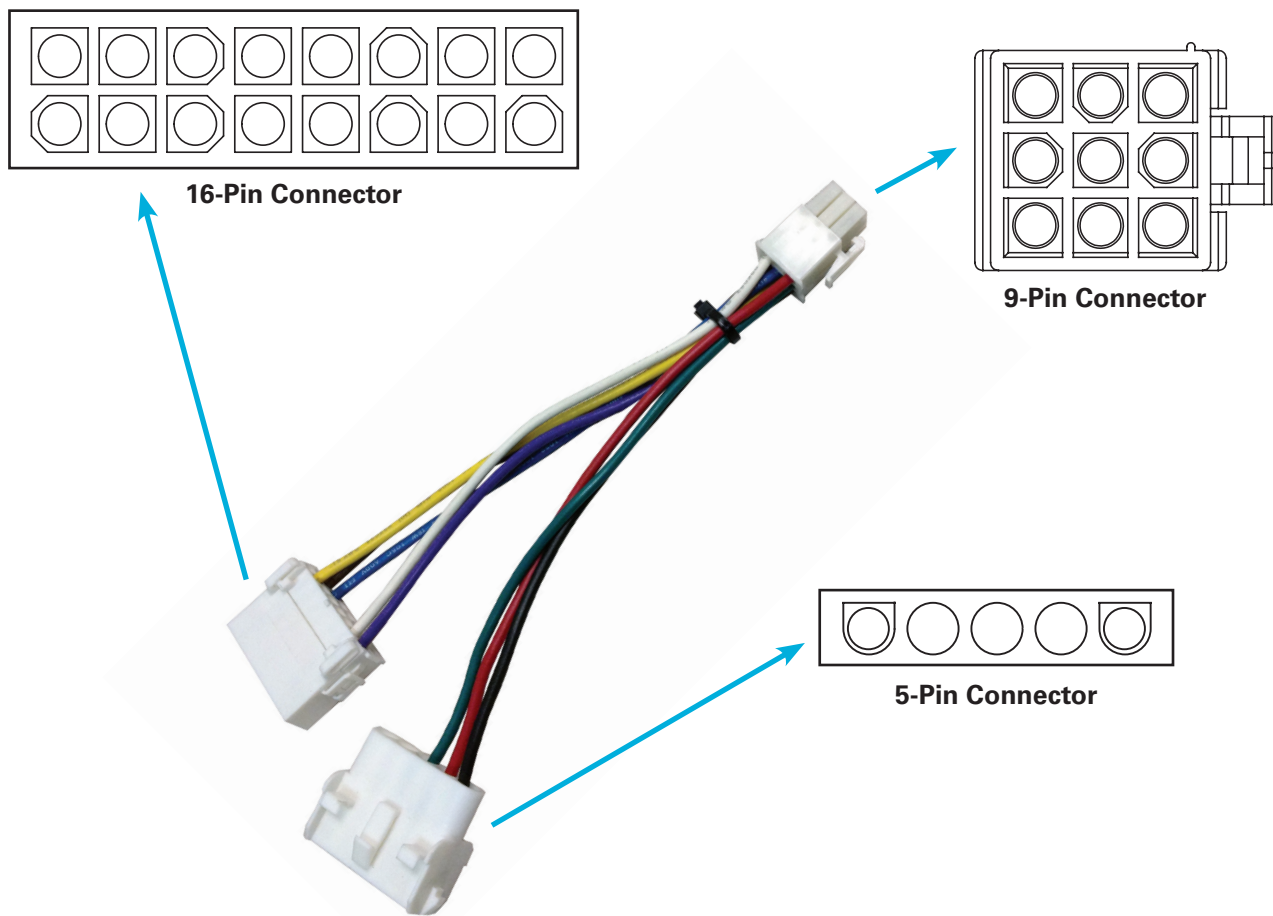
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707NJ – 142R 460V Connector

Description: Adapter cable from 16-pin/5-pin EON® motor connector to 142R 460V models.
Used for programming.



Used For:

LAB: Yes
PROD: Yes
FIELD: No

Notes:

- Cable length from 9-pin to 16-pin connector is 6 inches.
- Cable length from 9-pin to 5-pin connector is 6 inches.

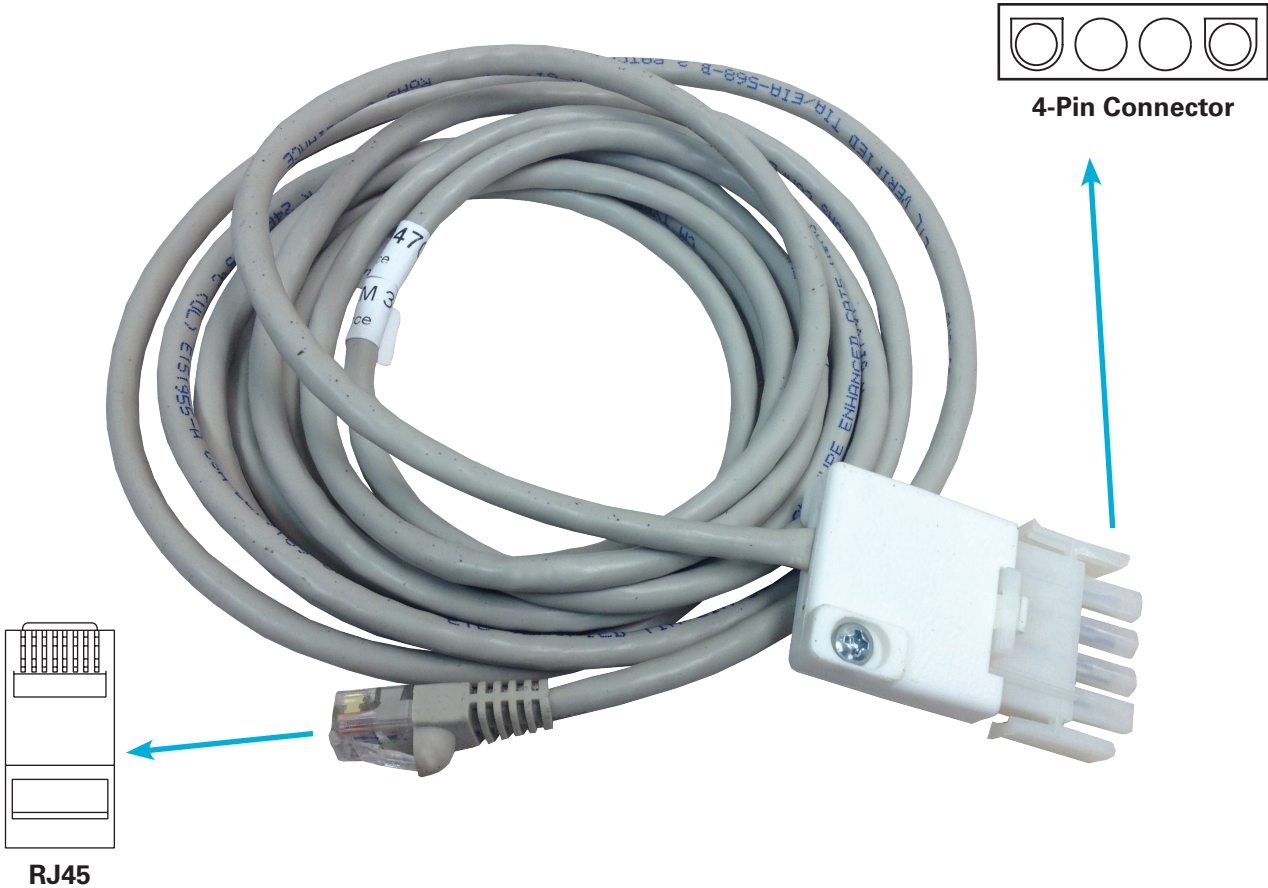
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
								X	

Cords - Serial Box to Motor

8794707JH – RJ45 to 4-pin Connector

Description: Cable from serial box to 4-pin programming connector of 3.0.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from RJ45 to 4-pin connector is 10 feet.

Used With Motor:

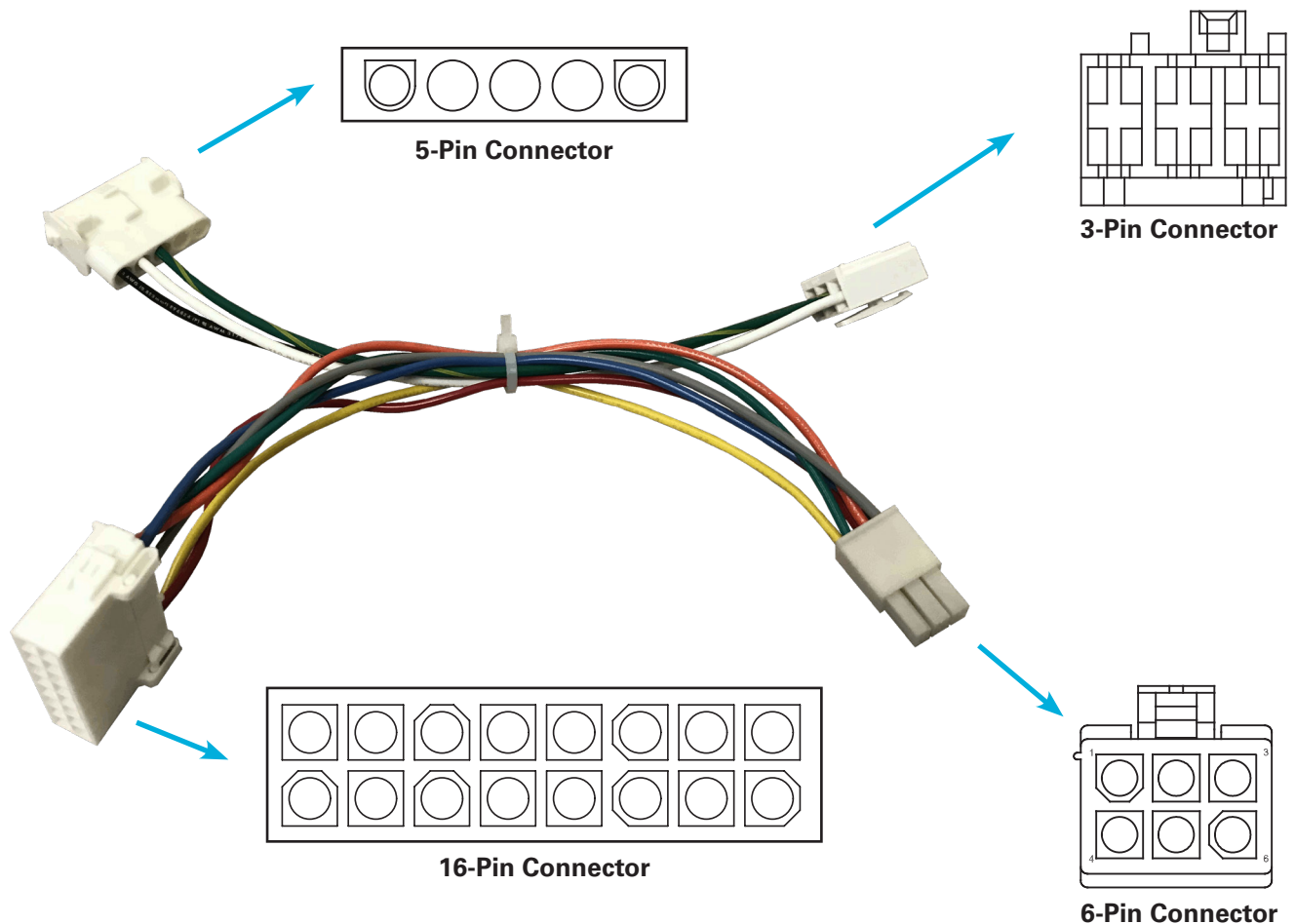
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707SWG01 – Ensite® Motor Connector

Description: Adapter cable from 16-pin / 5-pin EON® motor connector to Ensite motor models. Used for programming.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length from 5-pin to 3-pin connector is 7 inches.
- Cable length from 16-pin to 6-pin connector is 7 inches.

Used With Motor:

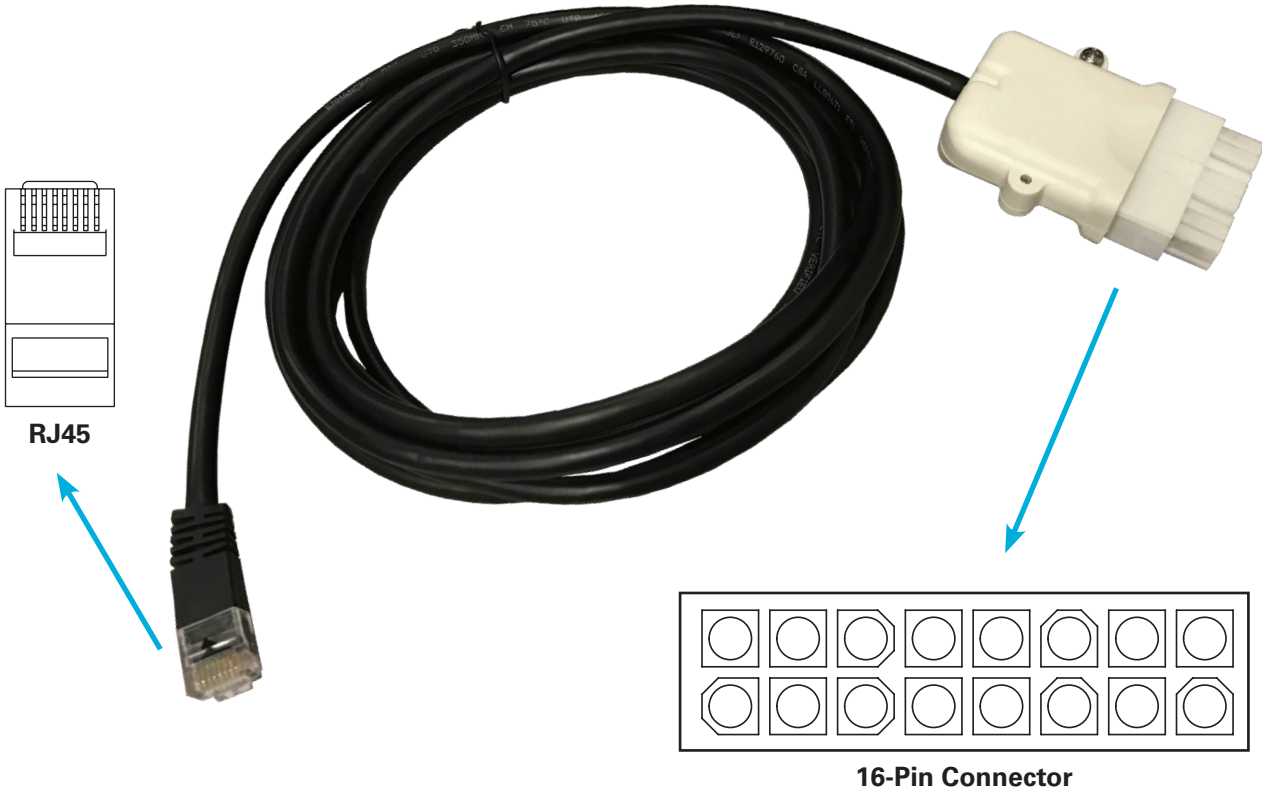
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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Cords - Serial Box to Motor

8794707SH – Serial Box Pika Connector

Description: Cable from serial box to motor. Signal (RJ45) cable harness with a 16-pin connector.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from RJ45 to 16-pin connector is 10 feet.

Used With Motor:

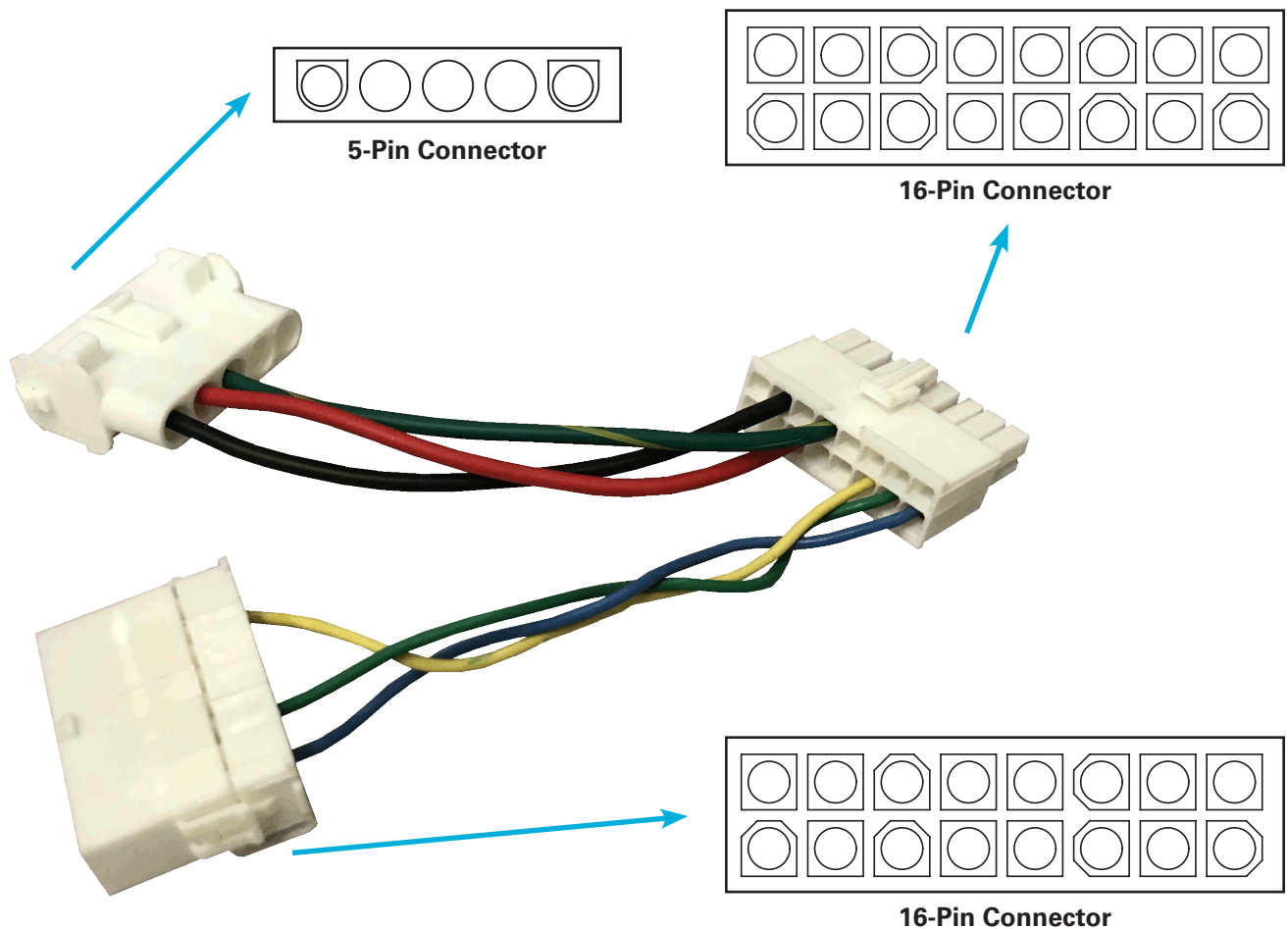
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Cords - Serial Box to Motor

8794707SCP3 – Pika Connector

Description: Adapter cable from 16-pin/5-pin EON connector to Pika models.
Used for programming.



Used For:

LAB: Yes
PROD: Yes
FIELD: No

Notes:

- Cable length from 16-pin to 16-pin connector is 3 inches.
- Cable length from 16-pin to 5-pin connector is 3 inches.

Used With Motor:

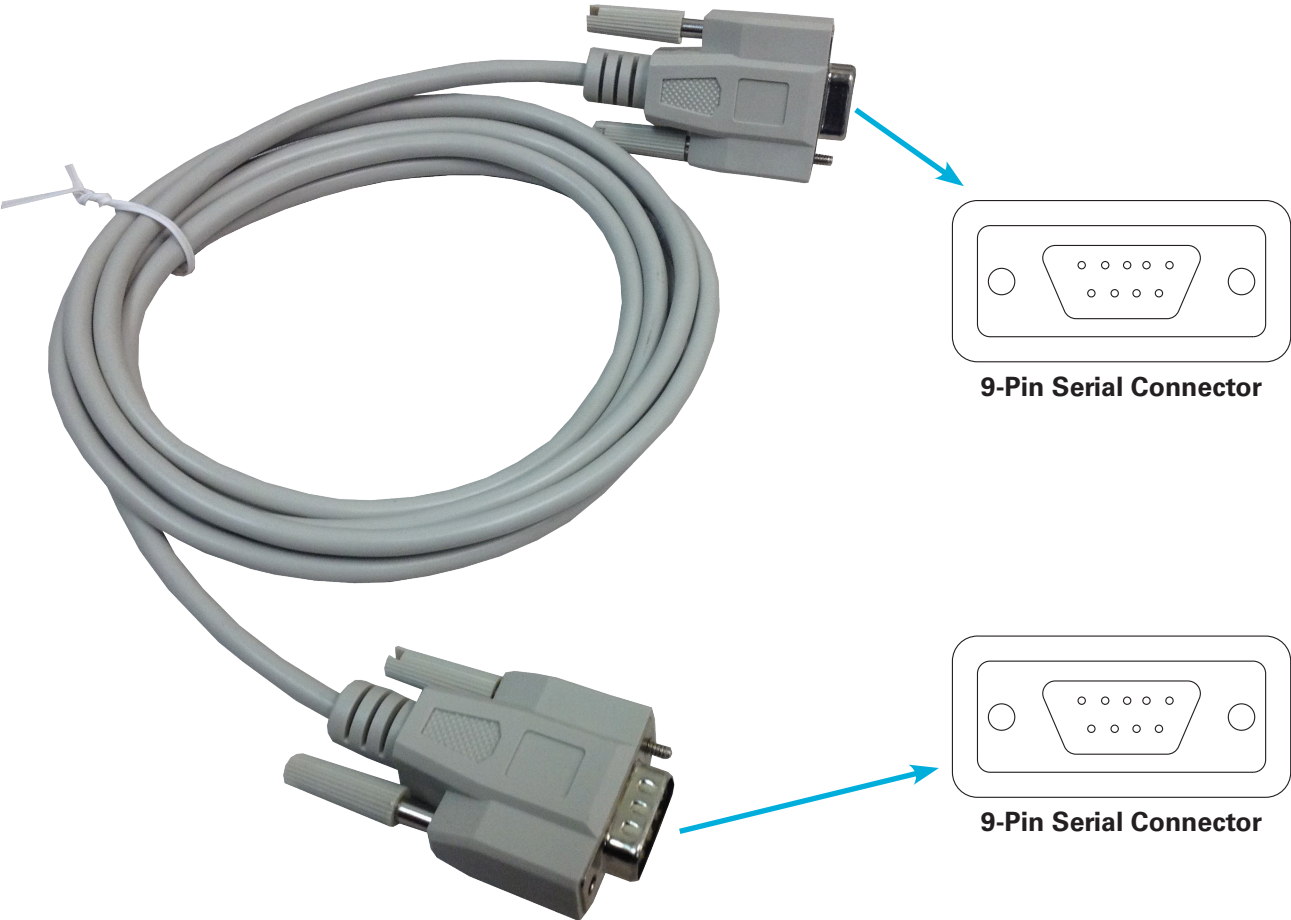
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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Cords - Serial Box to PC

8794724AP – Serial Box Serial Cable

Description: Cable from serial box to 9-pin serial (RS-232) on computer. Only needed if you are not connecting serial box to computer via USB.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from Serial to Serial connector is 5.5 feet.

Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X	X	X		X	X	

Cords - Serial Box to PC

8794740JN – USB to Serial Adapter for PC

Description: Connects 9-pin serial cable of Serial Box to USB port on a PC.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from USB to Serial connector is 18 inches.

Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X	X	X		X	X	

Replacement Parts

8794707EH – Serial Box Power Cable

Description: 120VAC Adapter to supply power to the serial box



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- AC output cord is 6 feet.

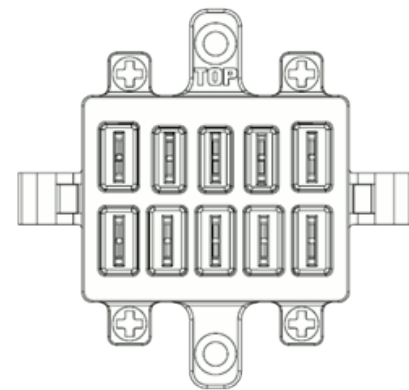
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X	X	X		X	X	

Replacement Parts

8794707GHG01 – Endura® Pro Motor Replacement Connector

Description: Connector on part number 8794700GBG01 will eventually wear out, and can be replaced.



10-Pin Connector

Used For:

LAB: No
 PROD: Yes
 FIELD: No

Notes:

- Replacement connector for factory production programmer.

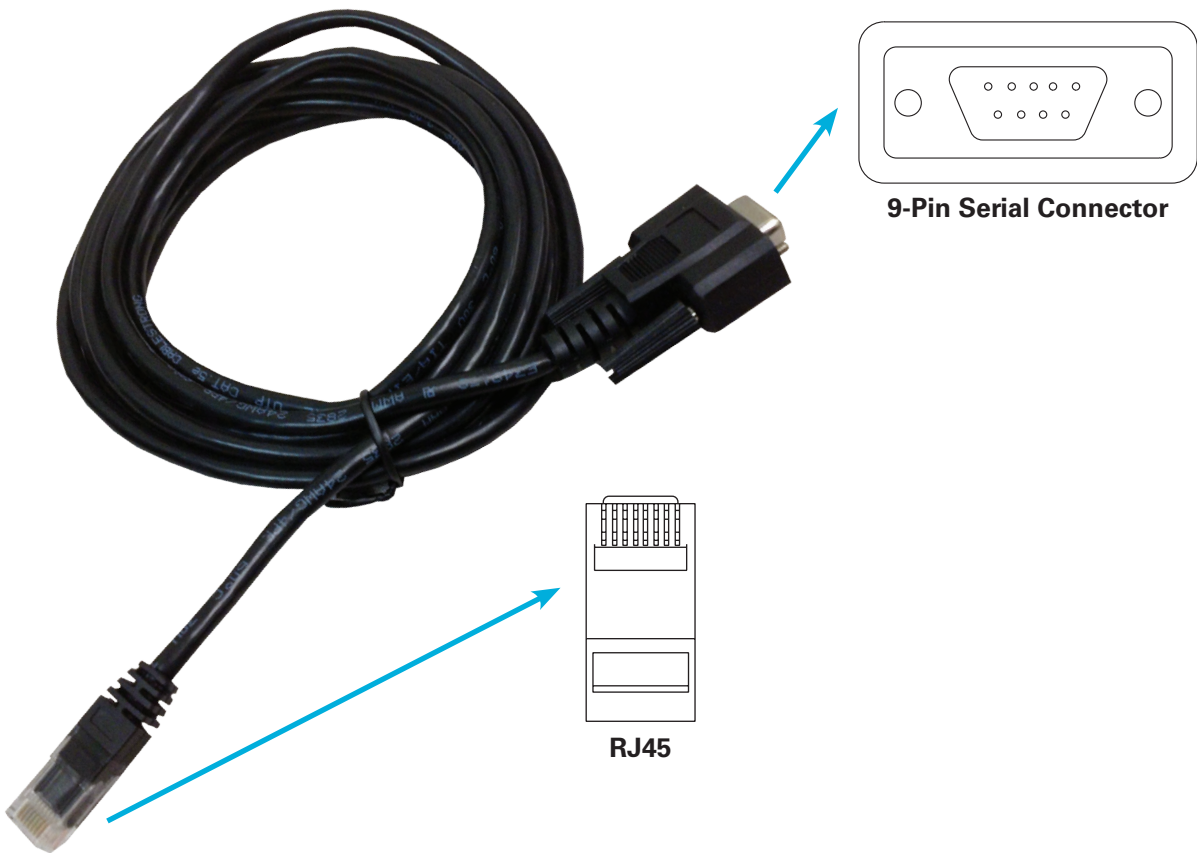
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
			X	X	X				

Replacement Parts

8794724BLP2 – RJ45 to Serial (RS232) Cable

Description: Cable from serial box to either the Endura® Pro or EON® motor integrated connector for production programming.



Used For:

LAB: No
 PROD: Yes
 FIELD: No

Notes:

- Cable length from RJ45 to Serial connector is 10 feet.

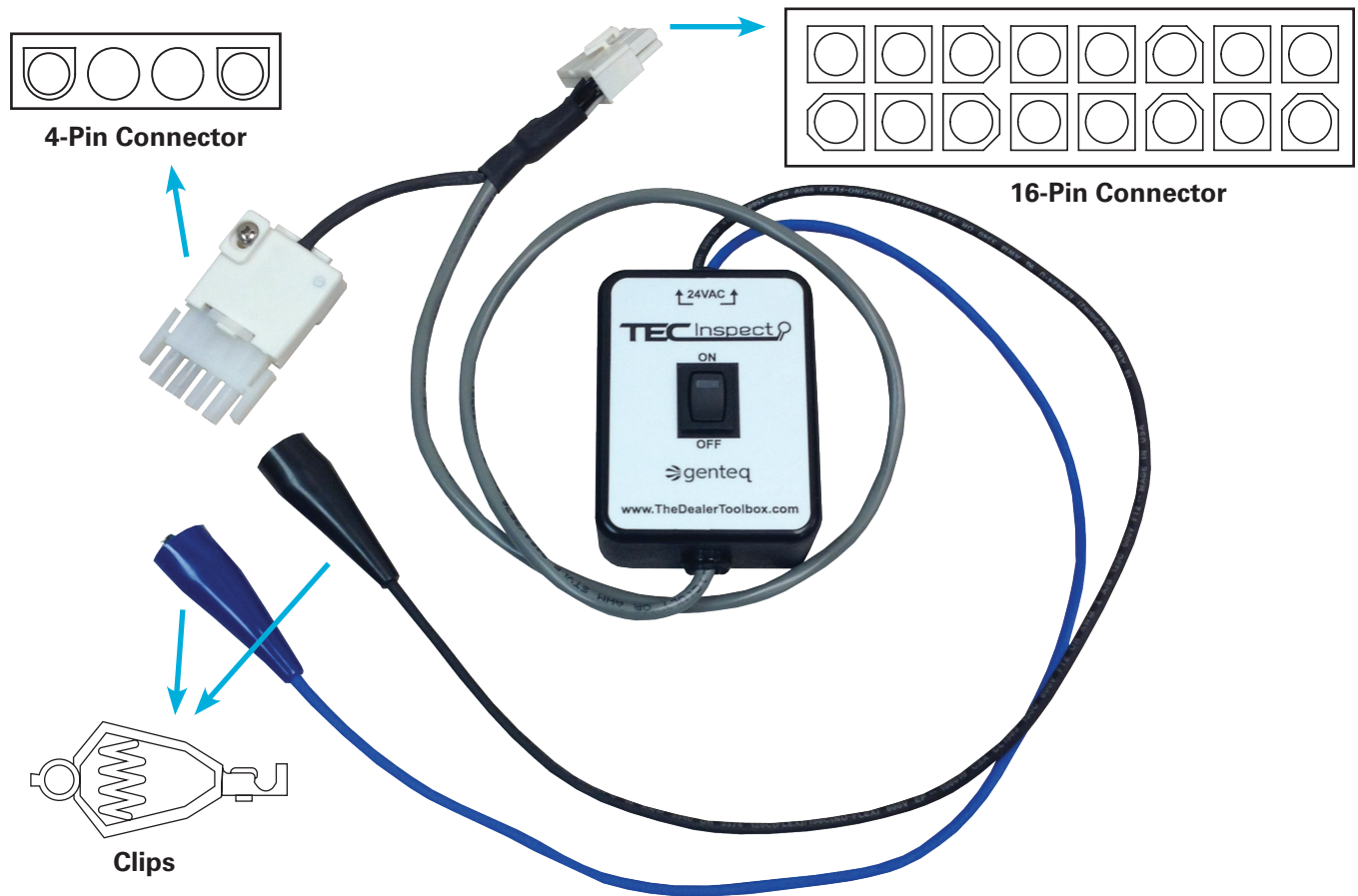
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X			X	X	X				

Miscellaneous

8794700FSG01 – Genteq® TECINspect® Diagnostic Tool

Description: Tool to isolate motor failure from other HVAC system failures in the field. Tool has 16-pin and 4-pin connectors. Includes ECM service guide. Catalog number for the TECINspect diagnostic tool is GA447.



Used For:

LAB: No
 PROD: No
 FIELD: Yes

Notes:

- Cable length from clips to box is 20 inches.
- Cable length from 16-pin connector to box is 3 feet.
- To use on EON® 42, Endura® and 142R products, cable adapters needed.

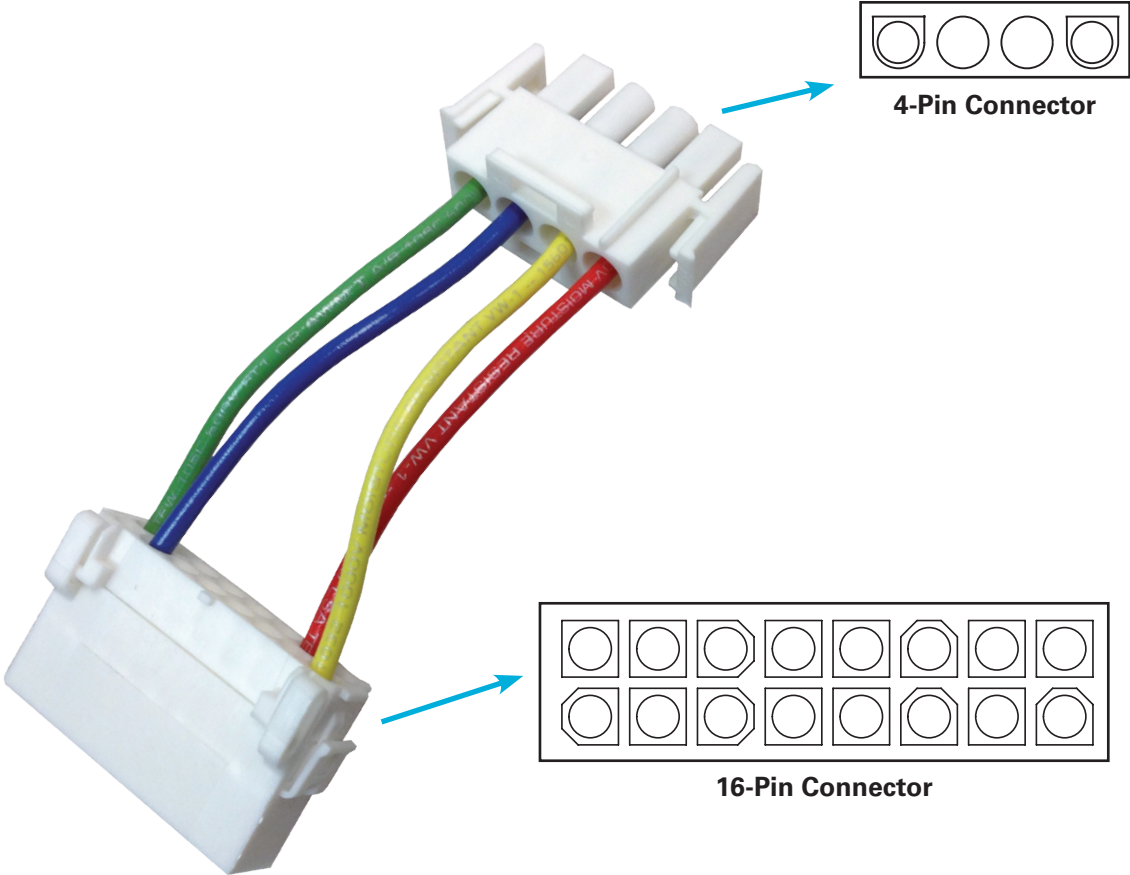
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X		X							

Miscellaneous

8794707JF – 16-pin to 4-pin Converter

Description: Connects 16-pin signal connector for older generation TECINSpect® diagnostic tool to 4-pin signal connector of 3.0.



Used For:

LAB: Yes
 PROD: Yes
 FIELD: Yes

Notes:

- Cable length from 4-pin to 16-pin connection is 2.5 inches.

Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Miscellaneous

8794740DE – PFC Choke

Description: 2mH inductor required with EON® ¼ HP and 1 HP motors at 120V.



Used For:

LAB: Yes
 PROD: No
 FIELD: Yes

Notes:

- Optional for power factor improvement.

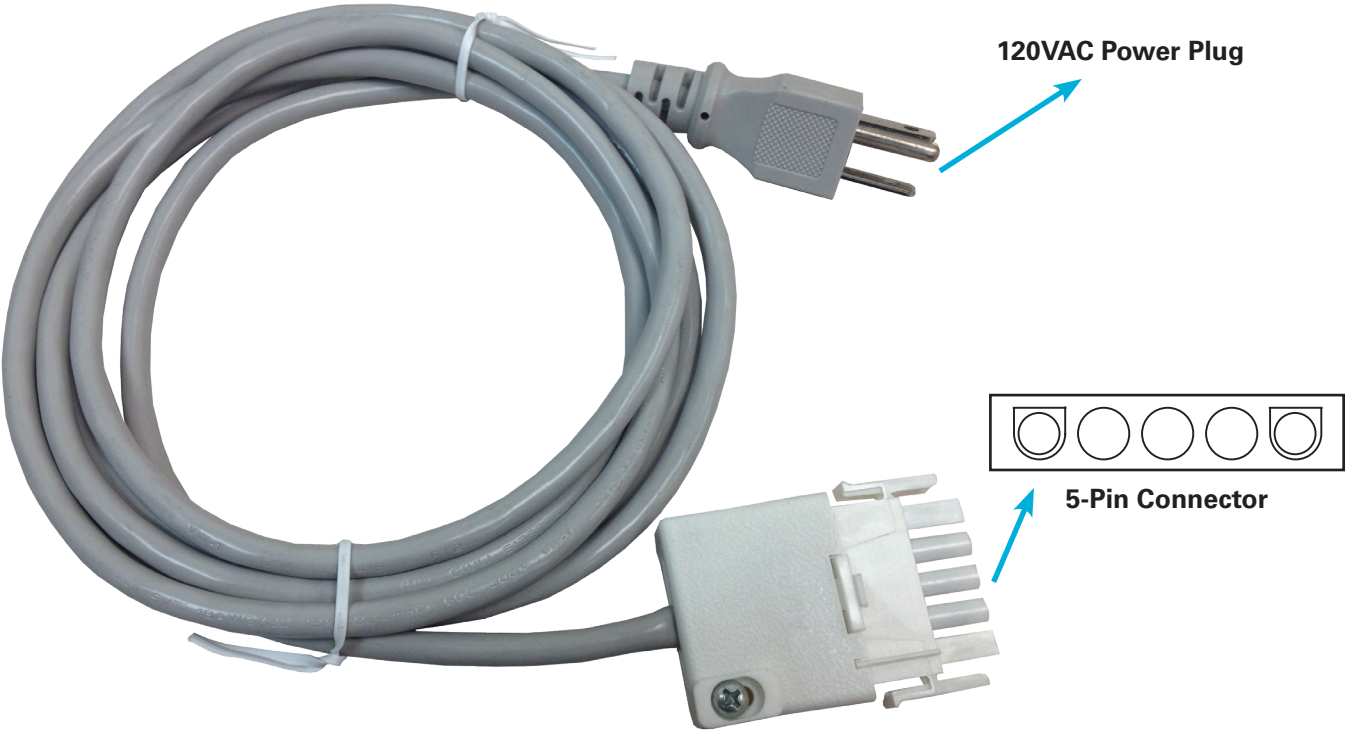
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
X	X	X	X		X		X	X	

Miscellaneous

8794707FK – Power (120VAC) Cable Harness

Description: Used to power EON® or 3.0 motors from standard outlet.



Used For:

LAB: Yes
 PROD: No
 FIELD: No

Notes:

- Cable length from 5-pin connector to power plug is 6 feet.

Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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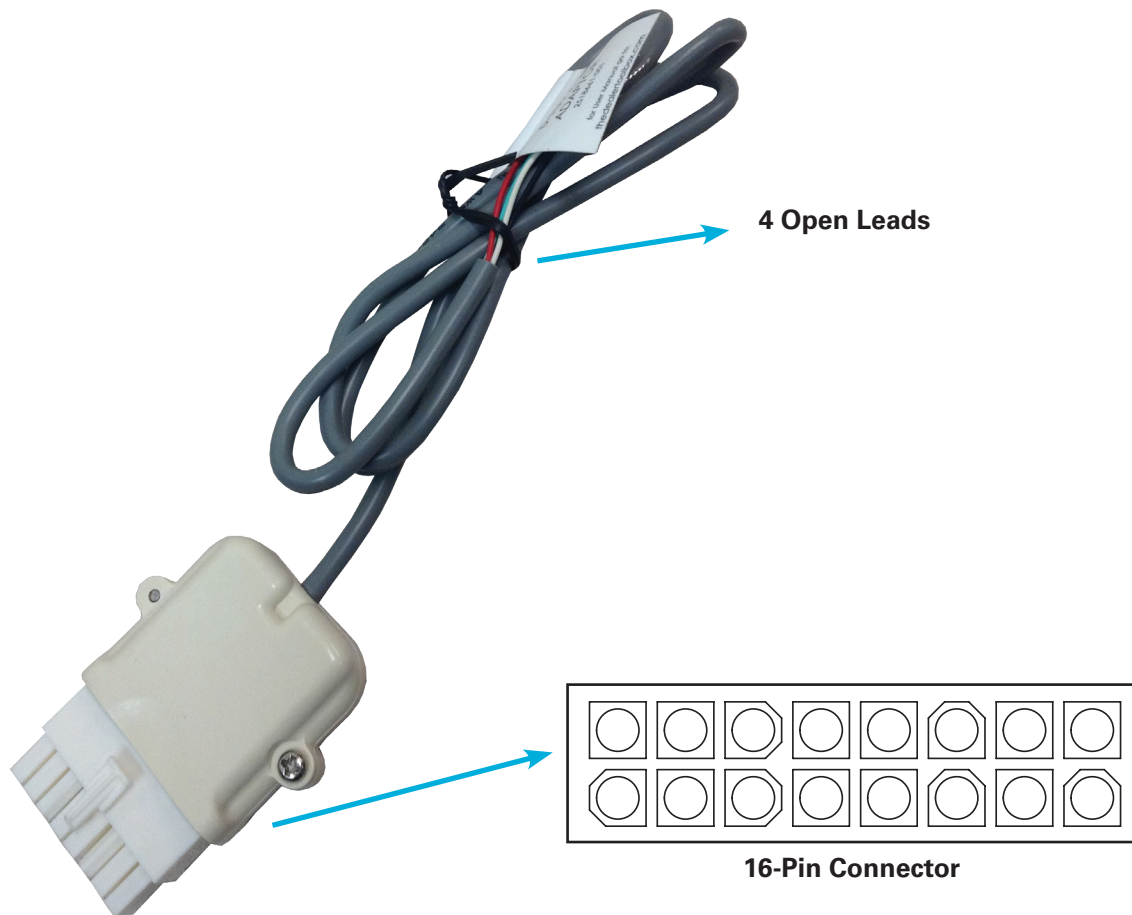
X

X

Miscellaneous

2518661-001 – 0 to 10VDC EON® Motor Adaptor

Description: Allows 0-10VDC control signal input to EON motor.



Used For:

LAB: No
 PROD: No
 FIELD: Yes

Notes:

- Cable length from 16-pin connector to leads is 3 feet.

Used With Motor:

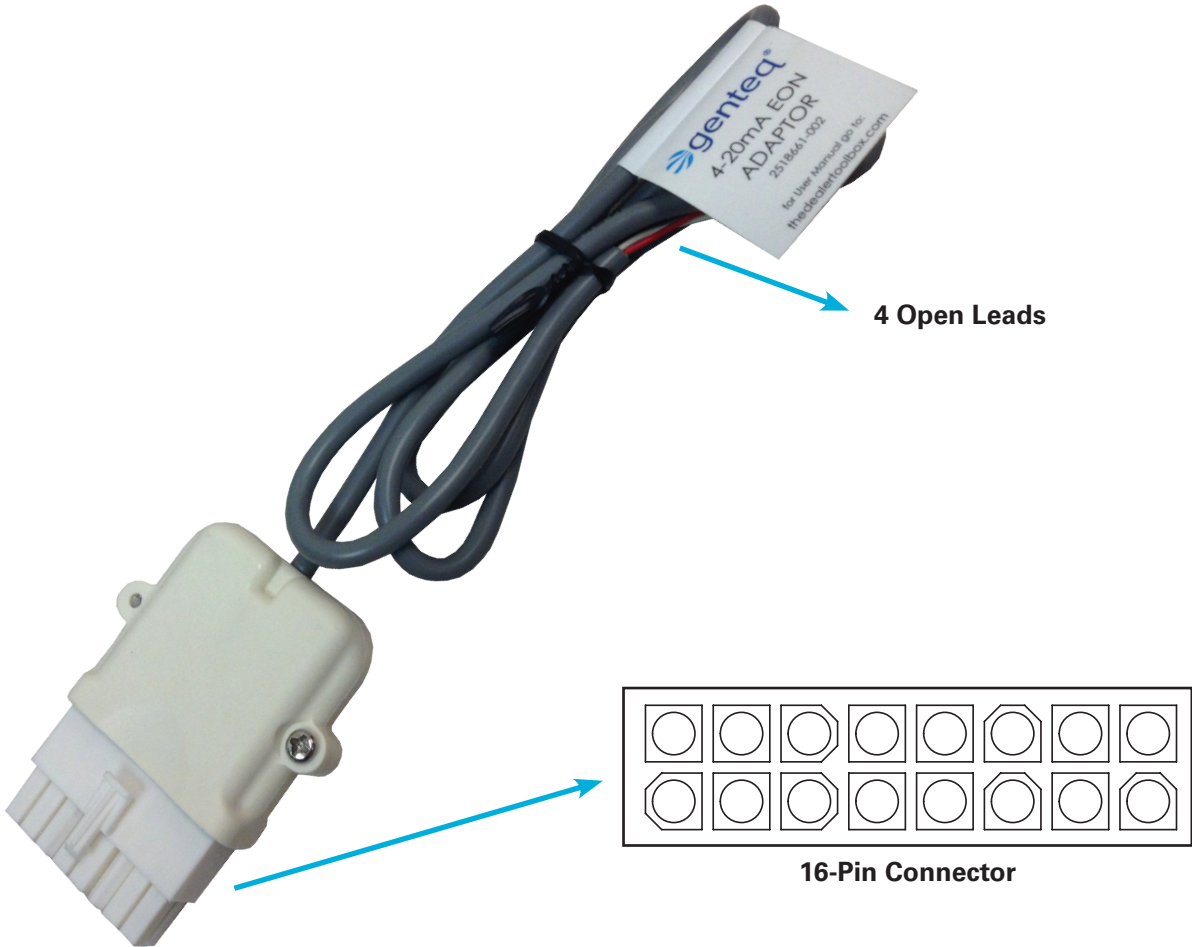
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Miscellaneous

2518661-002 – 4 to 20mA EON® Motor Adaptor

Description: Allows 4-20mA control signal input to EON.



Used For:

LAB: No
 PROD: No
 FIELD: Yes

Notes:

- Cable length from 16-pin connector to leads is 3 feet.

Used With Motor:

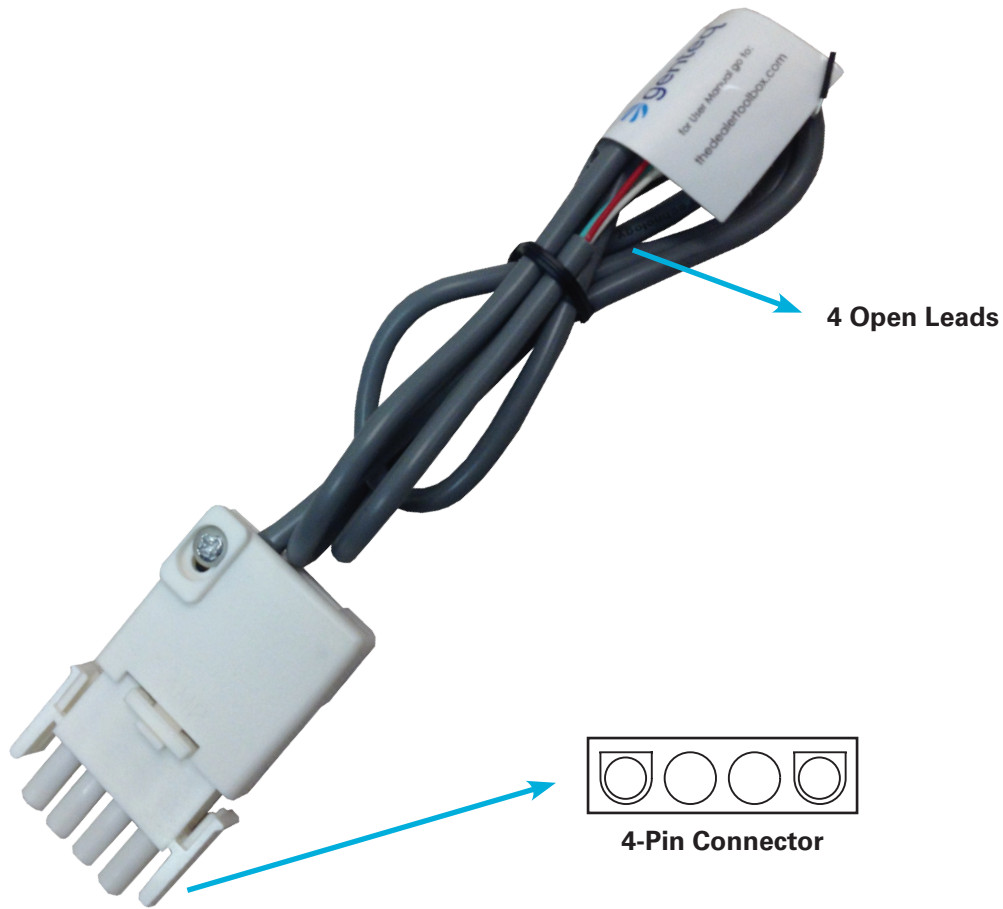
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Miscellaneous

8794700HJ – 0 to 10VDC 3.0 Adaptor

Description: Allows 0-10VDC control signal input to ECM 3.0.



Used For:

LAB: No
 PROD: No
 FIELD: Yes

Notes:

- Cable length from 4-pin connector to leads is 3 feet.

Used With Motor:

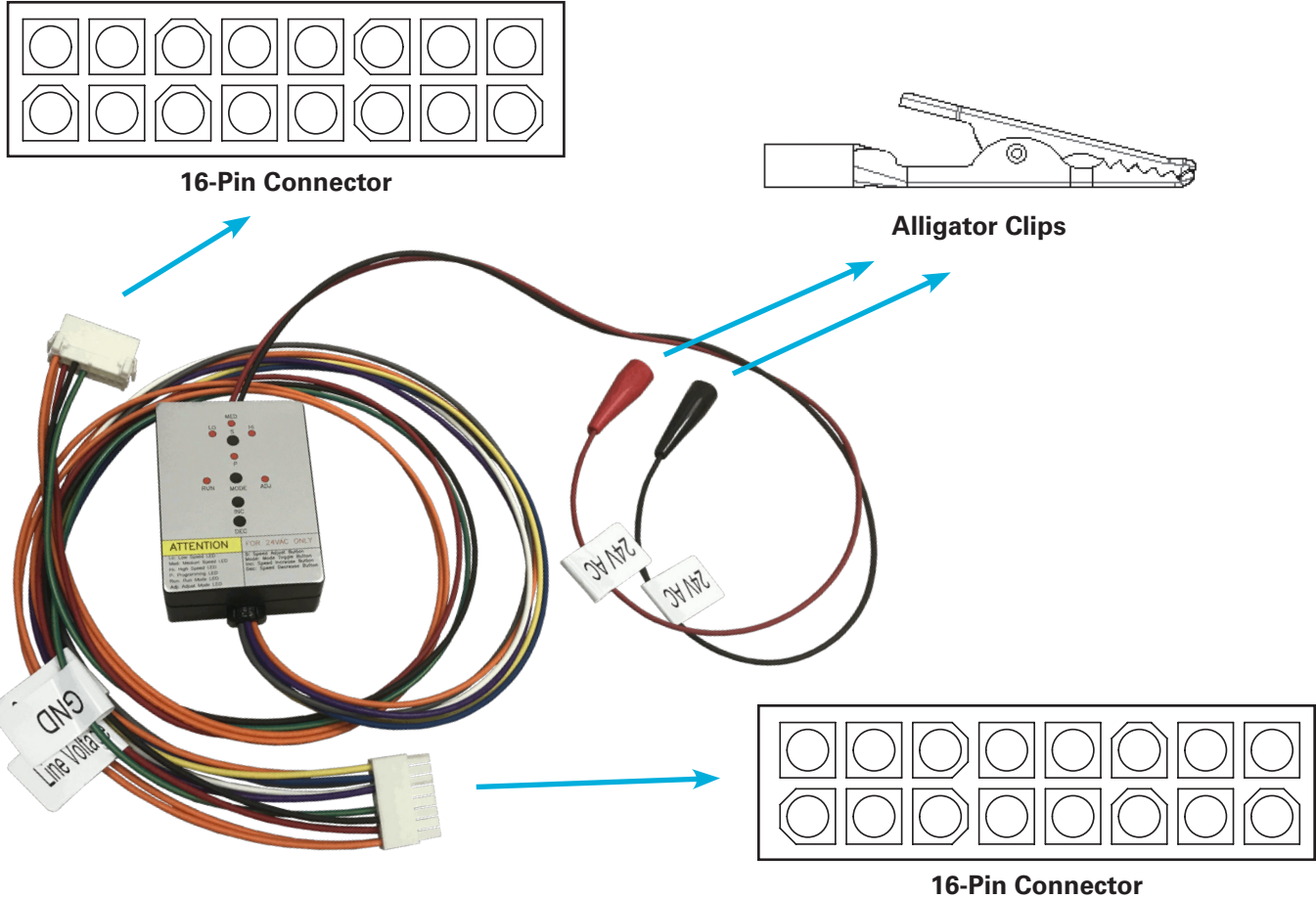
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Miscellaneous

8794707SMG01 – Pika Field Adjust

Description: Tool designed to adjust operating points for the Pika motor in the application.



Used For:

LAB: No
 PROD: No
 FIELD: Yes

Notes:

- Cable length from box to alligator clips is 30 inches.
- Cable length from box to 16-pin connector is 30 inches.
- Cable length from 16-pin to 16-pin connector is 34 inches.

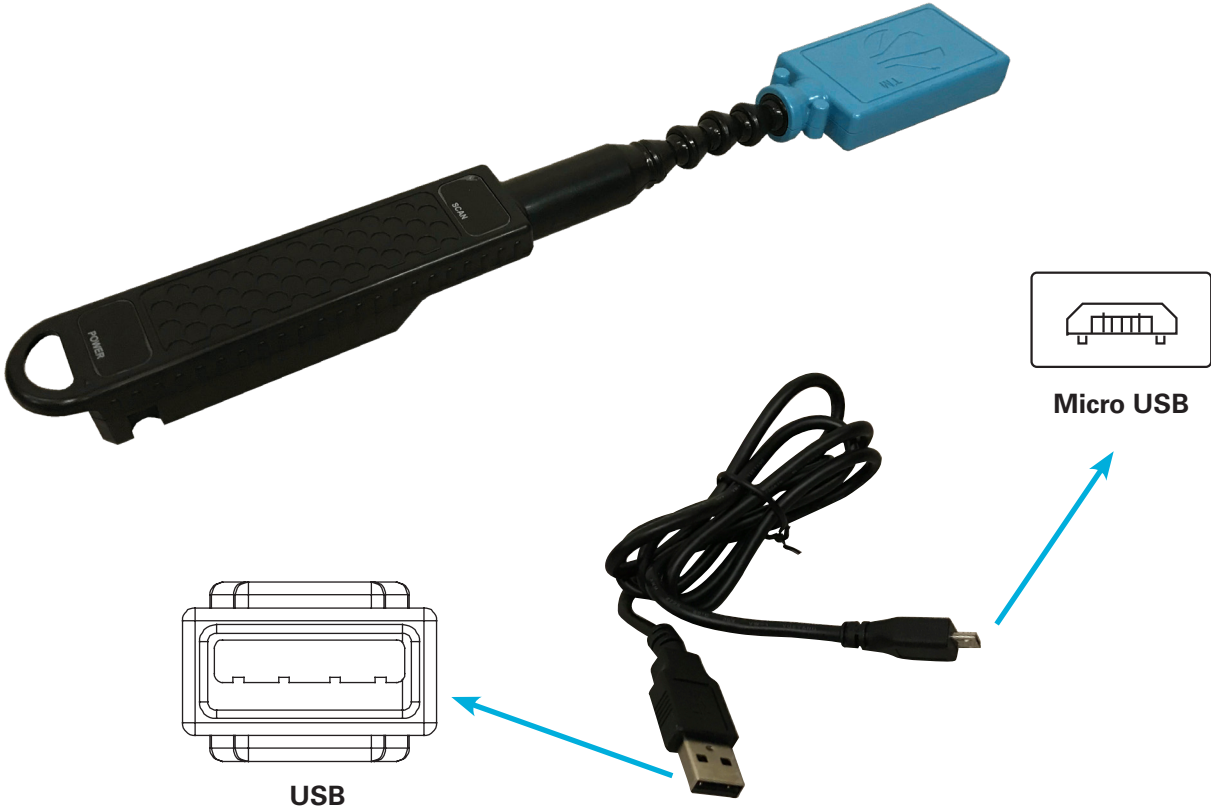
Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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8794702AHG01 – Electrand™ Programmer

Description: Tool designed to program or extract motor data for diagnostic purposes through near-field communication (NFC) technology.



Used For:

LAB: No
 PROD: Yes
 FIELD: Yes

Notes:

- Cable length from USB to Micro USB is 3 feet.

Used With Motor:

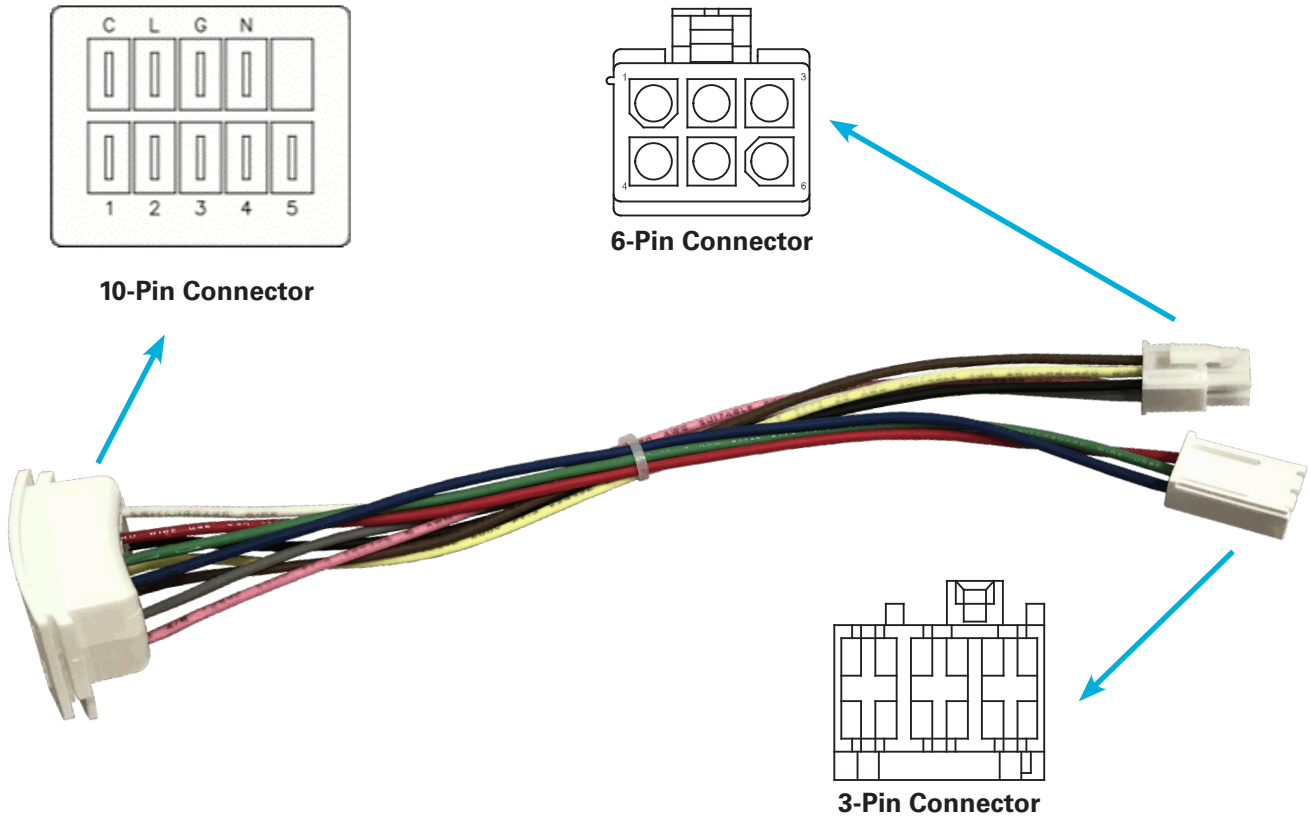
EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X

Miscellaneous

8794707STG01 – Endura®/Endura Pro Motor Connector to Ensite® Motor Adaptor

Description: Adaptor cable that allows for the current system wiring harness that was designed to connect to an Endura/Endura Pro motor, now connect to an Ensite motor. (Not for Programming Use)



Used For:

LAB: Yes
 PROD: Yes
 FIELD: No

Notes:

- Cable length from 10-pin to 3-pin connector is 10 inches.
- Cable length from 10-pin to 6-pin connector is 10 inches.

Used With Motor:

EON®	EON 42	3.0	END PRO	END PRO 460V	ENDURA®	ENSITE®	142R	142R 460V	PIKA
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X





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Customer Service: 800-672-6495
Fax: 800-468-2062

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APPLICATION CONSIDERATIONS

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