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Dallas, Texas, USA

CONTROLS KITS AND ACCESSORIES

508135-01
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MODBUS COMM HARNESS KIT

INSTALLATION INSTRUCTIONS FOR MODBUS COMMUNICATIONS CABLES REPLACEMENT KIT (22A26, 22A27, 24N57)

CAUTION

Electrostatic discharge can affect electronic components. Take precautions during unit installation and service to protect the unit's electronic controls. Precautions will help to avoid control exposure to electrostatic discharge by putting the unit, the control and the technician at the same electrostatic potential. Neutralize electrostatic charge by touching hand and all tools on an unpainted unit surface before performing any service procedure.

IMPORTANT

Improper installation, adjustment, alteration, service or maintenance can cause personal injury, loss of life, or damage to property.

Installation and service must be performed by a licensed professional installer (or equivalent) or a service agency.

WARNING

ELECTRICAL SHOCK HAZARD



STOP! Before you continue, make sure that power to the VFD has been off for at least 10 minutes. The capacitor in the VFD holds high voltage power for up to 10 minutes after power has been disconnected.

WARNING

ELECTRICAL SHOCK HAZARD



Can cause injury or death. Unit must be grounded in accordance with national and local codes.

Line voltage is present at all components when unit is not in operation on units with single-pole contactors. Disconnect all remote electrical power supplies before opening access panel. Unit may have multiple power supplies.

Shipping and Packing List

Package 1 of 1 contains:
1 - MODBUS Cables Set
1 - Installation Instruction

Table 1. MODBUS Cables

Roof Top Units	Catalog and Part Numbers	Unit Voltage	Number of Cables
LGM 156-300	22A26/622789-01	All	4
LCM/LCT/LHT 156-300	22A27/622789-02	All	2
LGT/LDT 156-300	24N57/622789-03	All	2

Installation

The MODBUS cables were designed for use with the following rooftop units:

- LCM156-300
- LCT156-300
- LGT156-300
- LGM156-300
- LHT156-300
- LDT156-300

1. Disconnect all power to the roof top unit.
2. Open compressor access panel.
3. (LGM models only) Remove ignition controller enclosure cover.
4. Remove old set of MODBUS cables from unit. Install and route new set of cables in the unit (see "Figure 1. LGM Models" on page 2, "Figure 2. LCM/LCT/LHT Models" on page 3, and "Figure 3. LGT/LDT Models" on page 4).

NOTE: Replace damage wire ties (field-provided).

5. Install ignition controller enclosure cover.



22A26 / 622789-01	
PN	QTY
106644-01	2PCS
106597-01	1PC
106647-01	1PC

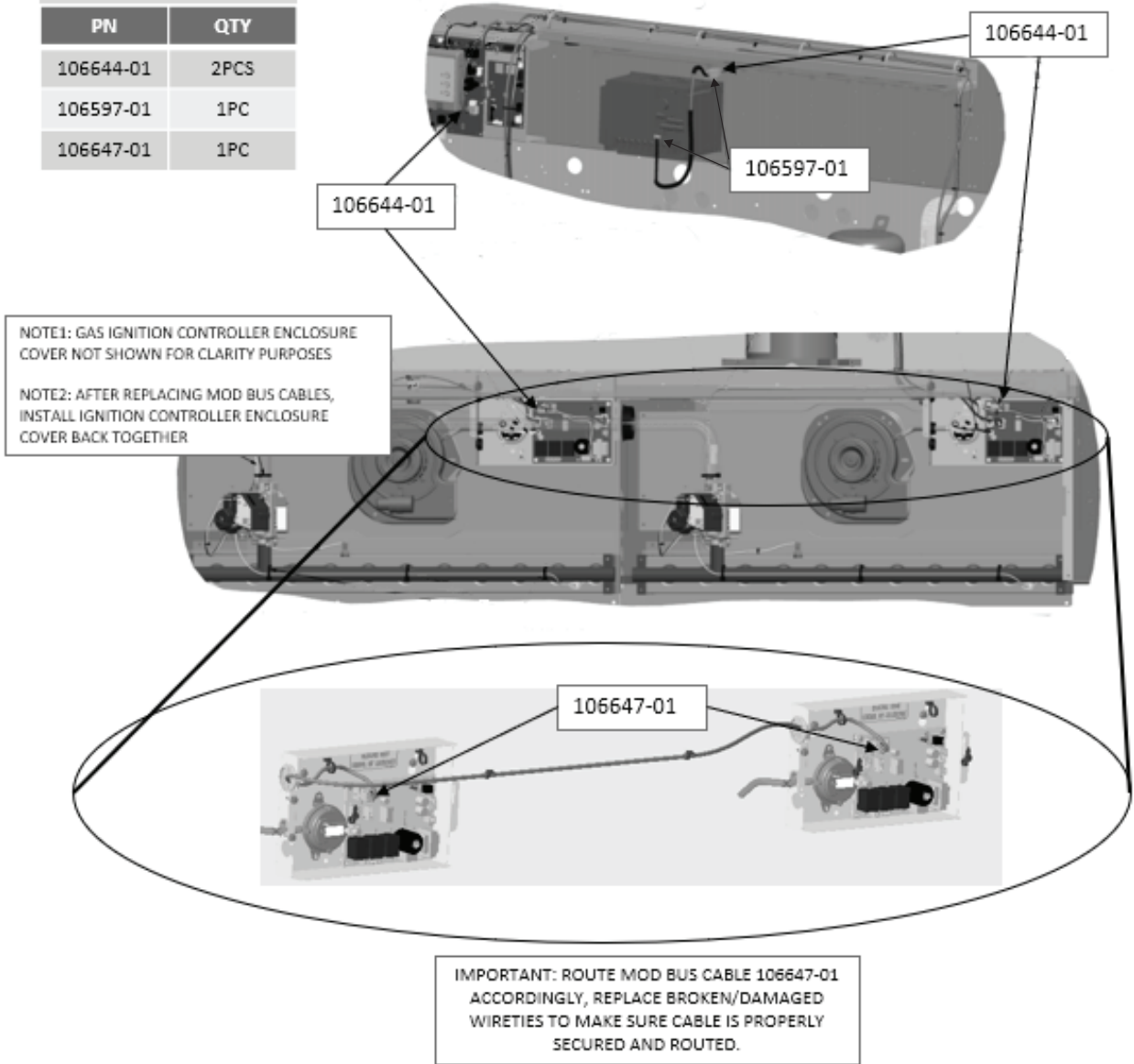


Figure 1. LGM Models

22A27 / 622789-02

PN	QTY
106646-01	1PC
106597-01	1PC

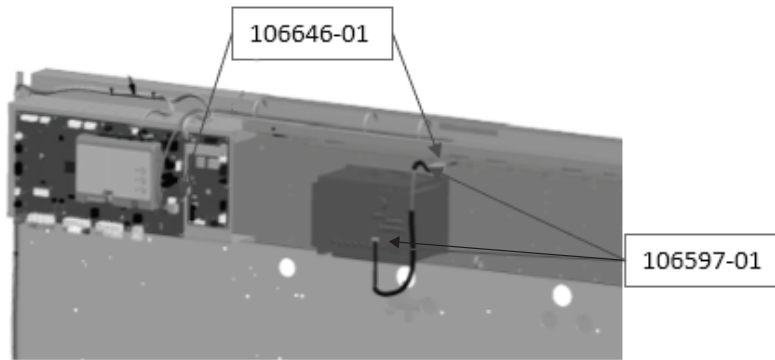
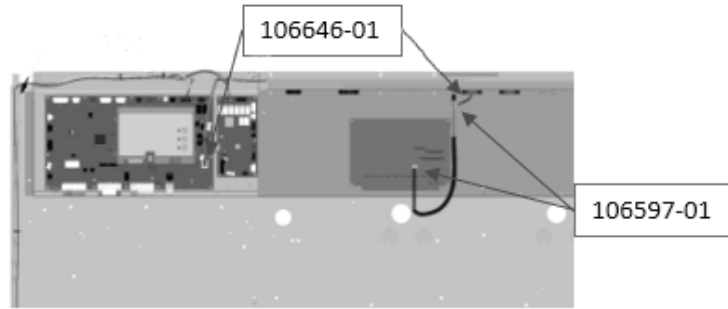


Figure 2. LCM/LCT/LHT Models

Table 2. LGT/LDT Catalog & Part Numbers

MODBUS Cable	Catalog Number	Part Number	Quantity
LGT / LDT	622789-03	106597-01	1
		107175-01	1

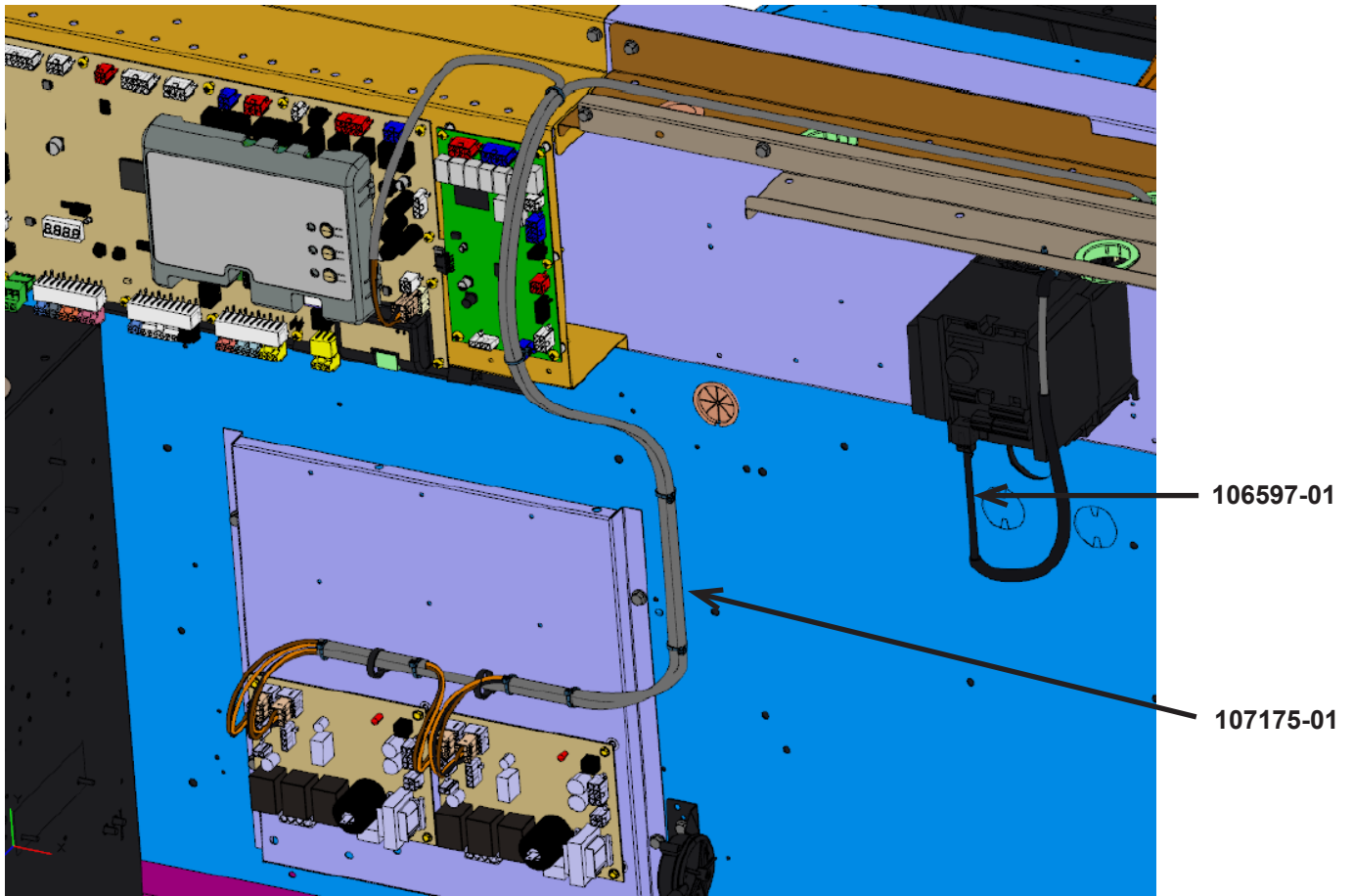


Figure 3. LGT/LDT Models