



DIAMOND LOGIC[®] ELECTRICAL SYSTEM

AMBULANCE SOLUTION

BODY LIGHTING

- **08HAA** For heavy-duty body builder lighting such as stop, turn, and/or taillights, in separate stop/turn configuration only. 30 Amp ignition feed.
- **08HAB** For general-purpose body builder lighting such as stop, turn, and/or taillights, in both combined or separate stop/turn configurations.

REMOTE ENGINE SPEED CONTROL (for V-8 and I-6 engines)

- **12VZA** Remote body builder interface wiring for engine speed control for increasing the engine speed to a preset speed using a switch mounted remotely outside of the cab. Additional features include speedometer and tachometer signals.
- **12VXT** Sets the engine to a stationary variable mode.**
- **12VXU** Sets the engine to a stationary preset mode.**

***Other engine settings available, see dealer for complete list. Additional engine speed control option on reverse of this page.*

HIGH AMPERAGE SWITCH

- **08XBK** Control one auxiliary load up to 40 Amps with a factory-installed switch for a high Amperage load such as a light bar. Power available in "IGNITION" or "ACCESSORY" key states.

PASSENGER CONTROL OF AIR HORN

- **08WEE** Instrument panel mounted switch to enable the passenger to engage the air horn.

AIR ACCESSORY CONTROLS

- **08WGA/08WGB/08WGC/08WGD** Provide 1-4 normally closed air solenoids to be used as a pilot air source. Includes switch in cab; air is available only with key in "IGNITION" or "ACCESSORY" positions.

PRE-TRIP EXTERIOR LIGHT INSPECTION

- **08WPZ** Pre-trip inspection will cycle exterior lamps, except back-up lights.

HEADLIGHTS ON WITH WIPERS

- **08WRB** Headlights will automatically turn on if windshield wipers are turned on.

WINDSHIELD WIPER SPEED CONTROL

- **08WGL** Force wipers to slowest intermittent speed when park brake set and wipers left on for a predetermined time.

PARK BRAKE ALARM

- **08WXD** Electric horn sounds in repetitive manner when vehicle park brake is not set, with ignition "OFF" and any door opened.

THEFT DETERRENT SYSTEM

- **60ACX** Limits vehicle mobility by requiring a pre-selected code to be entered to drive vehicle.

JUMP START STUD

- **08WBW** Provides remote jump start stud on the outside of the battery box that eliminates the need to remove the battery box cover when jump starting is required.

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BACK-UP ALARM

- **08THB** Provides a 102 dBA audible alarm when a vehicle is operated in reverse gear.

BATTERY DISCONNECT SWITCH

- **08WCS** Shuts down the entire battery-fed electrical system with a lever located on the floor to the left of the driver's seat.

***Other battery disconnect switches available, see dealer for complete list.*

TWO-WAY RADIO WIRING EFFECTS

Both 08REA and 08RGA provide radio power and ground directly from the battery to minimize electrical noise on the line.

- **08REA** 10' wiring coil under the instrument panel for optimal radio placement.
- **08RGA** Wiring in the center of the header console in the cab.
- **08RCB** CB radio accommodation package, header mounted, includes power source and two antenna bases with wiring.
- **08RBK** Dual CB antennas.

KEYLESS IGNITION

- **08630** Keyless ignition switch.

REMOTE KEYLESS ENTRY

- **16WKZ** Key fob to control remote keyless entry, with panic & auxiliary buttons.

SPARE INPUT/OUTPUT FOR AUTOMATIC TRANSMISSIONS

- **13WUD** Remote body builder interface wiring and software programming for Allison automatic transmissions.

Remote Power Modules and Associated Features

REMOTE POWER MODULE - Remote power modules are the gateway to body integration. Each remote power module includes 6 power outputs and 6 switch inputs. Customers should inform their International dealer or body builder company if they intend to utilize this form of body integration on their vehicle.

- **60AAA** One Remote Power Module, back of cab, for bodybuilder to integrate additional lights (up to six 20 Amp loads, 80 Amp max) including spot lights, strobe lights, work body compartment lights, work lights, etc., that require in-cab switching.
- **60AAB** Two Remote Power Modules, back of cab, for up to 12 outputs and inputs (20 Amps each, 80 Amp max per module).
- **08WSK/08WTJ** One Remote Power Module, end of frame, for up to 6 outputs and inputs (20 Amps each, 80 Amp max per module).

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Enhance 60AAA/60AAB/08WSK/08WTJ with additional functionality, using Remote Power Module features:

- **60AJE** Remote Engine Speed Control, Automatic, on demand activated by a body builder added hydraulic system pressure switch connected to a remote power module input. Activation of pressure switch ramps the engine to the first preset setting.
- **60ACE** Dual Output Switch, control one auxiliary load up to 40 Amps with a factory-installed switch connected to two Remote Power Module outputs for a high Amperage load such as a light bar. Power available in "IGNITION" or "ACCESSORY" key states.
- **60ACG/60ACH** Switches Interlocked to Vehicle Speed, 1 or 2 switches that will disengage a body feature if the vehicle exceeds a certain MPH.
- **60ACS/60ACT/60ACU** Replace 1-3 latched switches for momentary switches that provide control of body equipment from the cab and a location on the body for features such as cabinet lights and other body lights.

Utilize Diamond Logic® Builder software with the Ambulance Solution to custom program features, such as the following:

- **60ACW** In-Cab wire harness for Diamond Logic® Builder software. Includes a harness with five blunt cut wires routed on lower left of instrument panel. Two ground active inputs and two (.5Amp) relay driver outputs are provided to drive in-cab features such as siren modules or large "Do Not Move" indicator lights.
- Load sequencing
- Load management
- Low voltage alarm
- Door Open warning light/alarm
- Siren module control from steering wheel
- Auto ramp of engine speed with low voltage
- Lighting features:
 - Upper/lower flashing warning lights
 - Rear, right and left flood lights
 - Front grill lights
 - Compartment lights
 - Step lights
 - Cabinet lights
 - Cab light bars
 - 110 VAC floodlights

AWARE Vehicle Intelligence™

AWARE Vehicle Intelligence™ provides wireless communication, vehicle monitoring and GPS location services real-time via the Internet, directly to owners, maintainers and company managers. AWARE™ can work with any make truck or tractor, so it is suitable for mixed fleets or new accounts. When installed on vehicles with the Diamond Logic® Electrical System, however, it provides even more key vehicle diagnostics information to customers.

- **08RHC** AWARE Vehicle Intelligence™ base hardware package; includes telematics module and antenna.
- **08RHD** Instrument panel mounted driver alert switch, that, when engaged, sends an alert to the fleet office.
- **08RHE** Optional inputs provide access to four input channels in the AWARE module to enable monitoring vehicle or body equipment function, and the reporting of their status back to the fleet office.