



PROPANE *Body Integration*

When spec'ing out a new truck for a customer, it is important to consider the body that will get mounted to the chassis. International has invested in specific features on our chassis such as the Diamond Logic electrical system to help the body installer mount their equipment with high quality in an efficient manner.

The following pages include feature codes specifically designed for ease of body integration.

FEATURE CODES/ DESCRIPTIONS:

Body Lighting

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| 08HAA | BODY BUILDER WIRING To Rear of Frame, With Stop, Tail, Turn, and Marker Lights Circuits, Ignition Controlled Auxiliary Feed and Ground, Less Trailer Socket |
| 08HAB | BODY BUILDER WIRING Back of Cab at Frame, Includes Sealed Connectors for Tail/Amber Turn/ Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn |

Other body builder connections are available. Refer to the PDB-71000 sales book

Remote Engine Speed Control

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| 12VXT | Stationary variable auxiliary / PTO engine speed control through steering wheel cruise switches |
| 12VXU | Stationary preset (2 speeds) auxiliary / PTO engine speed control through steering wheel cruise switches |
| 12XBM | Remote mounted body builder interface wiring for engine speed control with Cummins B6.7 and L9 engines |

Work Light Accommodation

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| 08WMA | SWITCH, TOGGLE, FOR WORK LIGHT Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light |
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High Amperage Switch

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| 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 |
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Air Accessory Controls

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| 08WGA/ 08WGB/ 08WGC/ 08WGD | Provides 1 / 2 / 3 / 4 normally closed air solenoids to be used as a pilot air source. Includes latched switch in cab; air is available only with key in 'IGNITION" or "ACCESSORY" positions |
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**08WGP / 08WGR**

Provide 5 or 6 normally open air solenoids to be used as a pilot air source for sprayer hoses. Includes switch in cab; air is exhausted with key in "IGNITION" or "ACCESSORY" positions; and air will be supplied with key in "Off" position

Headlight Features

08WRB

Headlights will automatically turn on if windshield wipers are turned on

Pre-Trip Exterior Light Inspection

08WPZ

Pre-trip inspection will cycle exterior lamps, except back-up lights

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

Back-Up Alarm

08THB

Provides a 102 dBA audible alarm when a vehicle is operated in reverse gear

Hazard Flasher Override

08THN

Turn signal switch with hazard flasher that overrides brake lights

Battery Disconnect Switch

08WZP

Green "Battery On" indicator light on left side of dash.

08RLZ

Battery Disconnect Switch (Cole-Hersee 75920-06) 300 Amp, Disconnects Cab Power, Does Not Disconnect Charging Circuits. Locks with Padlock. Battery Box Mounted

08RMH

Battery Disconnect Switch (Cole-Hersee 75920-06) 300 Amp, Disconnects Charging Circuits. Locks with Padlock. Battery Box Mounted

08WJV

Battery Disconnect Switch (Joseph Pollak) for Cab Power Disconnect Switch, Disconnects Power to Power Distribution Center (PDC), Does not Disconnect Charging Circuits, Lever Operated, Cab Mounted.



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| 08WJW | Battery Disconnect Switch (Joseph Pollak) for Cab Power Disconnect Switch, Disconnects Power to Power Distribution Center (PDC), Does not Disconnect Charging Circuits, Key Operated, Cab Mounted. |
| 08XHD | Battery Disconnect Switch 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted. |

Other battery disconnect switches available, see dealer for complete list

Two-Way Radio Wiring Effects

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| 08REA* | 10' wiring coil under the instrument panel for optimal radio placement. (HV/HX/MV) |
| 08RGA* | Wiring in the center of the header console in the cab. (HV/HX/MV) |

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

Automatic Neutral

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| 13WUA | Allison WT transmission shifts to neutral when parking brake is engaged and remains in neutral when park brake is disengaged |
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Spare Input/ Output For Automatic Transmissions

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| 13WUS | Allison spare input/output for Rugged duty Series (RDS); General purpose trucks modified for single input auto neutral |
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PTO Controls

You must determine the type of PTO that will be added to know which PTO accommodation is appropriate:

- Transmission mounted
- Engine mounted
- Transfer case mounted

All International PTO accommodation packages are appropriate for transmission mounted PTOs, as well as transfer case mounted PTOs. To add an engine mounted PTO, order feature code 60ABE.

In addition, you must determine the type of PTO engagement that will be added. International has released features to accommodate the five most popular PTO engagement types:

- Electric engagement
- Hydraulic engagement
- Constant engagement
- Air (clutched/non-clutched) engagement
- Cable/Lever engagement

| Power Take Off Engagement Type | Chelsea® Models | Muncie® Models | International® Feature |
|--------------------------------|--------------------|--------------------------------|------------------------|
| Air (non-clutched) | 442/489 Series (A) | TG, SH or 82 Series | 60ABK |
| Air (clutched) | 230/236 Series (A) | CS Series (CS8/6 Air Only) | 60ABL |
| Hydraulic | 270/271/277/278/85 | CS Series (CS10/20/6 Hyd Only) | 60ABE |

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| 13XAA | PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring. Recommended for manual transmissions ONLY |
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| 16WLM | Hourmeter for Customer Provided PTO; Indicator Light and Hour meter in Gauge Cluster Includes Return Wire for PTO Feedback Switch. Included with the below PTO feature Codes. |
| 60ABA | Body Integration, PTO Accommodation for Monitoring Cable Shift Engaged PTO, With Indicator Light and Audible Alarm in Gauge Cluster (requires 1 Remote Power Module input) |
| 60ABB | Body Integration, PTO Accommodation for Muncie Lectra Shift PTO Engagement and Disengagement, With Switch Mounted on Dash; Includes Indicator Light and Audible Alarm in Gauge Cluster (requires 1 Remote Power Module input & 1 output) |
| 60ABE | Body Integration, PTO Accommodation for Electric over Hydraulic PTO, Does Not Include Solenoids, With Switch Mounted on Dash, Includes Audible Alarm and Indicator Light in Gauge Cluster, (Requires 1 Remote Power Module input & 1 output) |
| 60ABK | Body Integration, PTO Accommodation for Electric over Air Non Clutched PTO Engagement and Disengagement, Does not Include Air Solenoid, With Switch Mounted on Dash, Includes Audible Alarm and Indicator Light in Gauge Cluster (requires 1 input & 1 output) |
| 60ABL | Body Integration, PTO Accommodation for Electric over Air Clutched PTO Engagement and Disengagement, Does not Include Air Solenoid, With Switch Mounted on Dash, Includes Audible Alarm and Indicator Light in Gauge Cluster (requires 1 input & 1 output) |
| 60AKG | Body Integration, PTO Accommodation for (3) Latched rocker switches, one for PTO switch and two generic switches to control (3) 30amp relays, with programmable parameters |

Remote Power Modules and Associated Features

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.

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| 60AAA | One Remote Power Module, back of cab, for bodybuilder to integrate additional lights (up to six 20 Amp loads, 80 Amp max) |
| 60AAB | Two Remote Power Modules, back of cab, for up to 12 outputs and inputs (20 Amps each, 80 Amp max per module). |
| 60AAG | BODY INTG, REMOTE POWER MODULE (1) Mounted Inside Cab behind Driver Seat on DuraStar and WorkStar Series Up to 6 Outputs & 6 Inputs, Max. 20 Amps. per Channel, Max. 80 Amps. Total (Includes 1 Switch pack with 6 Latched Switches) |
| 60AAH | REMOTE POWER MODULE (2) Mounted inside Cab behind Driver Seat; Up to 6 Outputs & 6 Inputs each, Max. 20 amps. Per Channel, Max. 80 amp Total (Includes 2 Six Switch Packs with Latched Switches) |

Enhancements for additional functionality, using Remote Power Module features:

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| 60ACY | BODY INTG, VEHICLE IDLE Shutdown, with programmable timer to shutdown engine cab electrical power, default parameter is 90 seconds |
| 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. (requires 2 Remote Power Module outputs) |



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| 60ACS / 60ACT / 60ACU | Replaces 1 / 2 / 3 latched switches with momentary switch(s) 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. (HV/HX/MV) |
| 60ACW | I/O EXPANSION HARNESS {for Diamond Logic Builder} In-Cab Wire Harness (DLB) Program Only, 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 |



Additional Indicator Lights

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| 60AKY | BODY INTG, DASH IND LT TRICOLOR (1) for Optional Usage Customer to Program |
| 60AKZ | BODY INTG, DASH IND LT TRICOLOR (2) for Optional Usage Customer to Program |
| 60ALA | BODY INTG, DASH IND LT TRICOLOR (3) for Optional Usage Customer to Program |
| 60ALB | BODY INTG, DASH IND LT TRICOLOR (4) for Optional Usage Customer to Program |
| 60ALC | BODY INTG, DASH IND LT TRICOLOR (5) for Optional Usage Customer to Program |
| 60ALD | BODY INTG, DASH IND LT TRICOLOR (6) for Optional Usage Customer to Program |
| 60ALE | BODY INTG, DASH IND LT TRICOLOR (7) for Optional Usage Customer to Program |
| 60ALG | BODY INTG, DASH IND LT TRICOLOR (8) for Optional Usage Customer to Program |
| 60ALH | BODY INTG, DASH IND LT TRICOLOR (9) for Optional Usage Customer to Program |
| 60ALJ | BODY INTG, DASH IND LT TRICOLOR (10) for Optional Usage Customer to Program |
| 60ALK | BODY INTG, DASH IND LT TRICOLOR (11) for Optional Usage Customer to Program |
| 60ALL | BODY INTG, DASH IND LT TRICOLOR (12) for Optional Usage Customer to Program |

Diamond Logic Builder Custom Software Programming Features

- Floodlights
- Nozzle stow indicator
- Hose Gate indicator
- Spray Fill indicator
- Throttle control
- Cabinet lights
- Cab strobe lights