



## **DUMP TRUCK** *Body Integration*

When specifying 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**

- 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
- 08HAE** BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
- 08HAU** BODY BUILDER WIRING INSIDE CAB; Includes Sealed Connectors for Tail/Amber, Turn/Marker/Backup/Accessory, Power/Ground, and Stop/Turn
- 08HBX** BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Extended or Crew Cab at Left Frame with Pigtail; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn (MV/HV)

#### **Battery Disconnect Switch**

- 08WZP** Green "Battery On" indicator light on left side of dash. (HV/MV)
- 08RLZ** Battery Disconnect Switch (Cole-Hersee 75920-06) 300 Amp, Disconnects Cab Power, Does Not Disconnect Charging Circuits. Locks with Padlock. Battery Box Mounted (HV/HX)
- 08RMH** Battery Disconnect Switch (Cole-Hersee 75920-06) 300 Amp, Disconnects Charging Circuits. Locks with Padlock. Battery Box Mounted (HV/MV)
- 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. (HV)
- 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. (HV)
- 08WXY** Battery Disconnect Switch (Cole Hersee) for Cab Power Disconnect Switch, Does Not Disconnect Charging Circuits, Lever Operated, Cab Mounted (HX)
- 08XHD** Battery Disconnect Switch 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted. (HV/MV)



## Remote Engine Speed Control

- 12VGA** Remote mounted body builder interface wiring for engine speed control with A26 engines (HV/HX)
- 12XBM** Remote mounted body builder interface wiring for engine speed control with Cummins B6.7 and L9 engines. (HV/MV)
- 12VGU** Remote Cruise for Cummins X15 (HX)
- 12VXT** Sets the engine to a stationary variable mode. (HV/MV)
- 12VXU** Sets the engine to a stationary preset mode. (HV/MV)

## Exhaust Regeneration Inhibit

- 07WZX** Exhaust regeneration inhibit switch, momentary, resets when key off. (HV/HX/MV)
- 61ACA** Exhaust regeneration warning: add feature / programmed at TSC when ordered. (HV/HX/MV)

## Work Light Accommodation

- 08WMA** SWITCH, TOGGLE, FOR WORK LIGHT Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light (HV/MV)
- 08TMH** SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, With Maximum of 20 Amp Load with Switches In Instrument Panel (HV/MV)
- 08WTT** SWITCH TOGGLE FOR WORK LIGHT; ON Instrument Panel and Wiring Effects for customer furnished end of frame light. (MV/HV)
- 08WLL** LIGHT, WORK (1) Pedestal Mounted BOC with Switch on Instrument Panel (MV/HV)

## Auxiliary Switches

- 08XHX** SWITCH, MARKER INTERRUPT for Marker Lights and Headlights, Located in Steering Wheel (MV/HV)

## 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. (HV/MV)

## Air Accessory Controls

- 08WGA / 08WGB / 08WGC / 08WGD / 08WKM** - Provides 1 / 2 / 3 / 4 / 6 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. (HV/MV)



## Windshield Wiper Speed Control

**08WGL** Force wipers to slowest intermittent speed when park brake set and wipers left on for a predetermined time. (HV/MV)

## Body Builder Wiring

**08HAT** Includes wires installed through the dash panel to end compartment. In cab wire ends will have ESC input terminals; engine compartment wire ends will have sealed connectors. (HV/MV)

**08WZG** Junction block stud inside cab, 100 amp battery feed, Protected by a fusible link. (HV)

**60ABM** RPM Input/Output harness with blunt cut wires for 1 RPM (HV/MV)

**60ABN** RPM Input/Output harness with blunt cut wires for 2 RPM (HV/MV)

## Spare Input/ Output For Automatic Transmissions

**13WUC** Remote body builder interface wiring and software programming for Allison automatic transmissions (HV/HX/MV)

**13WUR** ALLISON SPARE INPUT/OUTPUT for Dump/Construction with Two-Speed Axle or Auxiliary Transmission (RDS). (HV/HX)

## Transmission Control Module Location

**13WYH** TRANSMISSION TCM LOCATION Inside cab for protection from the environment. (HV/MV)

## Electric Brake Accommodation

**08HAG** ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Separate Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket (HV/MV)

**08HAH** ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer-Installed Electric Brake Unit, Less Trailer Socket (HV/MV)

## Trailer Connections

**08554** TRAILER CONNECTION SOCKET; 7-Way; Mounted at Rear of Frame (HX)

**08TME** TRAILER CONNECTION SOCKET 7-Way; Mounted at Rear of Frame, Wired for Turn Signals Independent of Stop, Compatible With Trailers That Have Amber or Side Lamps. (HV/HX/MV)

**08TMG** TRAILER CONNECTION SOCKET 7-Way; Mounted at Rear of Frame, Wired for Turn Signals; Combined With Stop, Compatible With Trailers That Use Combined Stop, Tail, and Turn Lamps. (HV/HX/MV)



**08TMN** - TRAILER CONNECTION SOCKET {Phillips STA-DRY} 7-Way; Equipped With ABS Feed, Mounted at BOC and End of Frame Locations. (HV/HX/MV)

## Auxiliary Trailer Connections

**08THG** AUX. TRAILER SOCKET 7-Way; with Battery Fed Circuit to Center Pin, with 25 amp Fuse and Relay controlled by Switch with Indicator Light on Instrument Panel fed from Hot Battery Feed (not wired thru Key Switch) (HV/HX/MV)

**08THH** AUX. TRAILER SOCKET 7-Way; with Battery Fed Circuit to Center Pin, with 25 Amp Fuse and Relay controlled by Switch with Indicator Light) controlled by Accessory Side of Key Switch, Switch mounted on Instrument Panel (HV/HX/MV)

**08TKK** Trailer Aux Feed Circuit for Electric Trailer Brake Accommodation / Air Trailer ABS; with 30 Amp ABS wiring to make 08HAG or 08HAH interchangeable between electric and air trailer brakes. (HV/HX/MV)

## 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. If your customer wants to add an engine mounted PTO, feature code 60ABE is the correct feature code to order.

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

## PTO Controls and Hourmeter

**16WLM** HOURMETER, PTO for Customer Provided PTO; Indicator Light and Hour meter in Gauge Cluster Includes Return Wire for PTO Feedback Switch. (HV/MV)

**13WDH** BODY BUILDER Transmission Wiring – Installed wiring for transmission/PTO controls for Allison 2000, 2100, 2200, 2400, 2500 series transmission only (HV/MV)

**13WDN** PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes 2 Independent Illuminated Switches, 2 Electric/Air Solenoids, Piping and Wiring (HV/HX/MV)

**13WVD** PTO CONTROL, DASH MOUNTED FOR Customer Provided PTO; Includes Control Valve, Piping and Wiring, Wired for PTO. Recommended for manual transmissions. (HX)

**13XAA** PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring. Recommended for manual transmissions only. (HV/MV)

**13XAZ** PTO CONTROL, DASH MOUNTED For Customer Provided PTO: Includes Switch and Wiring, For Allison Transmissions. (HX)



- 60ABA** BDY INTG, PTO ACCOMMODATION for Monitoring Cable Shift Engaged PTO, With Indicator Light and Audible Alarm in Gauge Cluster (requires 1 Remote Power Module input) (HV/MV)
- 60ABB** BDY INTG, 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) (HV/MV)
- 60ABE** BDY INTG, 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) (HV/MV)
- 60ABK** BDY INTG, PTO ACCOMMODATION, 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) (HV/MV)
- 60ABL** BDY INTG, PTO ACCOMMODATION, 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) (HV/MV)
- 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. (HV/MV)

## 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.

- 60AAA** BDY INTG, REMOTE POWER MODULE (1); Up to 6 Outputs & 6 Inputs, Max. 20 Amps. Per Channel, Max. 80 Amps. Total (Includes 1 Switch Pack With Latched Switches), Mounted Back of Battery Box on MV Series and Under Cab, Left Rear on HV Series. (HV/MV)
- 60AAB** BDY INTG, REMOTE POWER MODULE (2); Up to 6 Outputs & 6 Inputs each, Max. 20 Amps. per Channel; Max. 80 Amps Total per Power Module (Includes Switch Packs with 12 Latched Switches), Mounted Back of Battery Box on MV Series and Under Cab, Left Rear on HV Series. (HV/MV)
- 60AAD** BDY INTG, REMOTE POWER MODULE (2) {SPECIAL} Mounted Under Cab or On Battery Box; Max. 20 amps. per Channel; Max 80 Amps Total per Power Module; Includes 1 Module With Switch Pack with 6 Latched Switches and 1 Module With Hardware Only, Mounted Back of Battery Box on MV Series and Under Cab, Left Rear on HV Series. (HV/MV)
- 60AAG** BDY INTG, REMOTE POWER MODULE (1) Mounted Inside Cab behind Driver Seat on MV and HV Series Up to 6 Outputs & 6 Inputs, Max. 20 Amps. per Channel, Max. 80 Amps. Total (Includes 1 Switch pack with 6 Latched Switches) (HV/MV)
- 60AAH** BDY INTG, REMOTE POWER MODULE (2) Mounted Inside Cab behind Driver Seat on MV and HV Series; Up to 6 Outputs & 6 Inputs each, Max. 20 Amps. Per Channel, Max. 80 Amp. Total (Includes 2 Switch Packs with 12 Latched Switches) (HV/MV)
- 60AAJ** BDY INTG, REMOTE POWER MODULE (3) Mounted Inside Cab behind Driver Seat on MV and HV Series; Up to 6 Outputs & 6 Inputs each, Max. 20 Amps. Per Channel, Max. 80 Amp. Total (Includes 3 Switch Packs With 18 latched Switches) (HV/MV)
- 60AAK** BDY INTG, REMOTE POWER MODULE (2) SPECIAL; Mounted Inside Cab behind Driver Seat on MV and HV Series; Up to 6 Outputs & 6 Inputs each, Max. 20 Amps. Per Channel, Max. 80



Amps. Total (Includes 1 Module With Switch Pack containing 6 Latched Switches and 1 Module With Hardware Only) (HV/MV)

**60AAL** BDY INTG, REMOTE POWER MODULE SPECIAL(3); Mounted Inside Cab behind Driver Seat on MV and HV Series; Up to 6 Outputs & 6 Inputs per module (3 modules with Hardware only) (HV/MV)

***Enhancements for additional functionality, using Remote Power Module features:***

**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) (HV/MV)

**60ACG / 60ACH** Switches Interlocked to Vehicle Speed, 1 or 2 switches that will disengage a body feature if the vehicle exceeds a certain MPH or other parameter. (HV/MV)

**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/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 (HV/MV)

**60AJE** BDY INTG, REMOTE THROTTLE - When ground is applied to the Remote Power Module input, the engine ramps to the first preset speed and maintains that speed as long as the input is held at ground. Removing ground from the Remote Power Module input returns the engine to idle. (HV/MV)

**60AJK** BDY INTG, INDICATOR LIGHTS (2); 1 for Body Up, 1 for Gate Open, Includes Audible Alarm, Programmable Mode for Various Switch Actions. (Requires 2 Remote Power Module Inputs). (HV/MV)

**60ACY** BDY INTG, VEHICLE IDLE Shutdown, with programmable timer to shutdown engine cab electrical power, default parameter is 90 seconds (HV/MV)

## Additional Indicator Lights

**60AKY** BDY INTG, DASH IND LT TRICOLOR (1) for Optional Usage Customer to Program.

**60AKZ** BDY INTG, DASH IND LT TRICOLOR (2) for Optional Usage Customer to Program.

**60ALA** BDY INTG, DASH IND LT TRICOLOR (3) for Optional Usage Customer to Program.

**60ALB** BDY INTG, DASH IND LT TRICOLOR (4) for Optional Usage Customer to Program.

**60ALC** BDY INTG, DASH IND LT TRICOLOR (5) for Optional Usage Customer to Program.

**60ALD** BDY INTG, DASH IND LT TRICOLOR (6) for Optional Usage Customer to Program.

**60ALE** BDY INTG, DASH IND LT TRICOLOR (7) for Optional Usage Customer to Program.

**60ALG** BDY INTG, DASH IND LT TRICOLOR (8) for Optional Usage Customer to Program.

**60ALH** BDY INTG, DASH IND LT TRICOLOR (9) for Optional Usage Customer to Program.

**60ALJ** BDY INTG, DASH IND LT TRICOLOR (10) for Optional Usage Customer to Program.

**60ALK** BDY INTG, DASH IND LT TRICOLOR (11) for Optional Usage Customer to Program.

**60ALL** BDY INTG, DASH IND LT TRICOLOR (12) for Optional Usage Customer to Program.