



SNOWPLOW 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
08THV	BODY BUILDER WIRING – Front harness for guide-post lights, connector located at headlight connection for customer installation

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

Remote Engine Speed Control

12VGA	Remote mounted body builder interface wiring for engine speed control with International A26 engines.
12VXT	Sets the engine to a stationary variable mode.
12VXU	Sets the engine to a stationary preset mode.
12VXV	Sets the engine to a mobile variable mode.
12XBM	Remote mounted body builder interface wiring for engine speed control with Cummins B6.7 and L9 engines

Auxiliary Road Speed Signal

12VYL	Accessory wiring for road speed; Wire coiled under instrument panel
12VGV	Accessory wiring for road speed; Wire coiled under instrument panel (HV/HX)



Exhaust Regeneration Inhibit

07WZX	Exhaust regeneration inhibit switch, momentary, resets when key off. (HV/HX/MV)
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Work Light Accommodation

08WMA	SWITCH, TOGGLE, FOR WORK LIGHT Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light (HV/HX/MV)
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08TMH	SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, With Maximum of 20 Amp Load with Switches In Instrument Panel (HV/HX/MV)
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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 in "IGNITION" or "ACCESSORY" key states. (HV/HX/MV)
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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/HX/MV)
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Windshield Wiper Speed Control

08WGL	Force wipers to slowest intermittent speed when park brake set and wipers left on for a predetermined time. (HV/HX/MV)
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Pre-Trip Exterior Light Inspection

08WPZ	Pre-trip inspection will cycle exterior lamps, except back-up lights. (HV/HX/MV)
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Headlight Features

08WRB	Headlights will automatically turn on if windshield wipers are turned on (HV/HX/MV)
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08WXB	Warning buzzer sounds when headlight switch is on and ignition switch is in "Off" position (HV/HX/MV)
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Snowplow Lighting Accommodation

08THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow applications (HV/MV)
08TNP	AUXILIARY HARNESS 5.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications (HV/HX/MV)
08THV	DISCONNECT, FRONT HARNESS for Guide Post Lights; Connectors Located at Headlight Connection, for Customer Installation (HV/HX/MV)

Park Brake Alarm

08WXD	Electric horn sounds in repetitive manner when vehicle park brake is "NOT" set, with ignition "OFF" and any door opened. (HV/HX/MV)
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Theft Deterrent System

60ACX	Limits vehicle mobility by requiring a pre-selected code to be entered to drive vehicle. (HV/HX/MV)
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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. (HV/HX/MV)
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Back-Up Alarm

08THB	Provides a 102 dBA audible alarm when a vehicle is operated in reverse gear. (HV/HX/MV)
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Battery Disconnect Switch

08RLZ	BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp, Disconnects Cab Power, Does Not Disconnect Charging Circuits. (HX/HV)
08XNB	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Power to Power Distribution enter (PDC), Does Not Disconnect Charging Circuits, Locks with Padlock, (HX)
08WJV	Cab Power Disconnect Switch; Cab Mounted, Lever Operated, Disconnects Power to PDC, Does Not Disconnect Charging Circuits. (HV/MV)
08WZP	Green "Battery On" indicator light on left side of dash (HV/HX/MV)
08XHV	Cab Power Disconnect Switch, Cab Mounted, Disconnects power to PDC and body builder through solenoid, does not disconnect charging circuits, locks with padlock (HV/MV)

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



Two-Way Radio Wiring Effects

08REA*	10' wiring coil under the instrument panel for optimal radio placement.
08RGA*	Wiring in the center of the header console in the cab

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

Spare Input/ Output For Automatic Transmissions

13WUA	AUTOMATIC NEUTRAL Allison WT Transmission Shifts to Neutral When Parking Brake is Engaged (HV/HX/MV)
13WUB/ 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)
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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/HX/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/HX/MV)



Trailer Connections

- 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. 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



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



Diamond Logic Builder Custom Software Programming Features

- Low hydraulic level indicator
- Hydraulic oil over-temperature indicator
- Hydraulic oil filter clogged indicator
- Set up body lights to work with Pre-trip light inspection
- External Regen warning
- Floodlights
- Throttle control
- Cabinet lights
- Cab strobe lights
- Multiple PTOs
- Compartment lights interlocked to parking lights and park brake
- Outrigger interlock control
- Transmission auto-neutral with interlocks
- Custom remote throttle controls