



WASTE COLLECTION *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

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. (HV/HX)
12XBM	Remote mounted body builder interface wiring for engine speed control with Cummins B6.7 and L9 engines. (HV/MV)
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)
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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)
08TMH	SWITCH, AUXILIARY Accessory Control; for Wiring in Roof, With Maximum of 20 Amp Load with Switches In Instrument Panel
08WJZ	Worklight on with backup. Work light will activate when vehicle is in reverse



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/HX/MV)
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Air Accessory Controls

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. (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)
08WXB	Warning buzzer sounds when headlight switch is on and ignition switch is in "Off" position (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

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

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)
08RCB	CB radio accommodation package, header mounted, includes power source and two antenna bases with wiring. (HV/HX)
08RBK	Dual CB antennas (HV/HX)

** 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

13AAZ	AUTOMATIC NEUTRAL Allison WT, 3000 & 4000 Transmission Shifts to Neutral When Parking Brake is Engaged
13WUJ	ALLISON SPARE INPUT/OUTPUT for Rugged duty series (RDS); Front Loaders, Rear Loaders, Recycling/Packer trucks.
13WUK	ALLISON SPARE INPUT/OUTPUT for Rugged duty series (RDS); Side Loaders
13WYL	Allison Performance Programming in Primary and Allison Economy Programming in Secondary

Transmission Control Module Location

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

PTO Controls and Hourmeter

13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring. Recommended for manual transmissions ONLY.
16WLM	HOURMETER, PTO for Customer Provided PTO; Indicator Light and Hour meter in Gauge Cluster Includes Return Wire for PTO Feedback Switch. Included with the PTO feature codes below (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)
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)
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)
60AAG	BDY 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	BDY INTG, REMOTE POWER MODULE (2) Mounted Inside Cab behind Driver Seat on DuraStar and WorkStar 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)

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.
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)
60AJJ	BDY INTG, REMOTE THROTTLE – Accommodations for single customer mounted momentary switch for refuse applications. Engine will ramp to preset one and maintains till signal is removed. Removing the signal from the Remote Power Module input returns the engine to idle.
60AJC	BDY INTG, INDICATOR LIGHTS (2); 1 for Gate Open, 1 for Rear Alert, Includes Audible Alarm, Programmable Mode for Various Switch Actions. (Requires 2 Remote Power Module Inputs).



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
- Low/hot hydraulic oil PTO shutdown
- PTO shutdown override switch
- Set up body lights to work with Pre-trip light inspection
- External Regen warning
- Rear lighting for back-up camera
- On/Off hydraulic control (discrete):
 - Winch
 - Trap
 - Rear gate