

BODY LIGHTING

- **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

- **12VZA** - Remote body builder interface wiring for engine speed control with N9, N10 and MaxxFace DT engines. 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.
- **12XAT** - Remote mounted body builder interface wiring for engine speed control with Cummins ISB engines

WORK LIGHT ACCOMMODATION

- **08WMA** - SWITCH, TOGGLE, FOR WORK LIGHT Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light

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.

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.

WINDSHIELD WIPER SPEED CONTROL

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

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.

HEADLIGHTS WARNING BUZZER

- **08WXB** - Warning Buzzer sounds when Head Light Switch is on and Ignition Switch is in "Off" Position

HEADLIGHTS WIG WAG

- **60AKK** - Wig Wag Hi-Beam with park brake interlock. Park brake disables wig wag
- **60AKL** - Wig Wag Hi-Beam with park brake interlock. Park brake disables hi-beam wig wag, enables low-beam wig wag.

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.

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

BODY BUILDER WIRING

- **08HAT** – Includes wires installed through the dash panel to end compartment. In cab wires ends will have ESC input terminals, Engine compartment wire ends will have sealed connectors.
- **08WZG** – Junction block stud inside cab, 100 amp battery feed, Protected by a fusible link.
- **13WDH** – BODY BUILDER Transmission Wiring – Installed wiring for transmission/PTO controls for Allison 2000, 2100, 2200, 2400, 2500 series transmission only
- **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
- **60ABM** – RPM Input/Output harness with blunt cut wires for 1 RPM
- **60ABN** – RPM Input/Output harness with blunt cut wires for 2 RPM

SPARE INPUT/OUTPUT FOR AUTOMATIC TRANSMISSIONS.

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

TRANSMISSION TCM LOCATION

- **13WYH** - TRANSMISSION TCM LOCATION Located Inside Cab.

REMOTE START/STOP ACCOMMODATION

Remote start/stop is available with automatic transmissions only. Since latched switches are critical with remote start/stop, Remote Power Module codes 08WSK/08WSM/08SAJ are not available with features 60ABC and 60ABD.

- **60ABC** - Remote Engine Start, Stop and restart control, accommodation package provides connections for remotely starting and stopping the engine.
- **60ABD** - Remote Engine Start, Stop and restart control, accommodation package provides connections for remotely starting and stopping the engine. Includes emergency pump control.

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
- **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

TRAILER CONECTIONS

Air Brake Accommodation with 7-Way Socket for Lighting

- **04619** – Trailer connections 4 wheel, with hand control valve and tractor protection valve for straight truck
- **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.
- **08TMG** - TRAILER CONNECTION SOCKET 7-Way; Mounted at Rear of Frame, Wired for Turn Signals Combines With Stop, Compatible With Trailers That Use Combined Stop, Tail, and Turn Lamps.
- **08TMN** - TRAILER CONNECTION SOCKET {Phillips STA-DRY} 7-Way; Equipped With ABS Feed, Mounted at BOC and End of Frame Locations.

Auxiliary Trailer Connections

- **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.

PTO CONTROLS

In determining which PTO accommodation is appropriate, you must determine the type of PTO that will be added:

- Transmission Mounted
- Engine Mounted
- Transfer Case Mounted

All of Navistar’s 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. Navistar has released feature’s to accommodate the five most popular PTO engagement types:

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

- **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.

- **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 DuraStar Series and Under Cab, Left Rear on WorkStar Series.
- **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 DuraStar and Under Cab, Left Rear on WorkStar.

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)
- **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.
- **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
- **60AJD** - BDY INTG, INDICATOR LIGHTS (2) – 1 for Boom Out of stow, 1 for Outriggers Deployed. Includes Audible Alarm, Programmable Mode for Various Switch Actions. (Requires 2 Remote Power Module Inputs).
- **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.
- **60AJG** - BDY INTG, THROTTLE CONTROL – Accommodation for single customer mounted external engine speed control switch, for utility applications. Programmable mode for various switch actions and engine speed control option. First activation of pressure switch increases the engine speed to the first preset setting; second activation of switch returns the engine speed to idle
- **60AJH** - BDY INTG, THROTTLE CONTROL – Accommodation for single customer mounted external engine speed control switch with dual function input for utility application. First activation of switch increases engine speed to the first preset, second activation returns engine to idle. Activation of switch with engine off activates emergency pump. Requires One RPM Input and One RPM Output

ADDITIONAL INDICATOR LIGHTS

- **60AJR, 60AJS, 60AJT & 60AJU** Red indicators lights.(1,2,3 & 6)
- **60AJV, 60AJW, 60AJX & 60AJY** Green indicators lights. (1,2,3 & 6)
- **60AJX, 60AKA, 60AKB & 60AKC** Amber indicators lights. (1,2,3 & 6)

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

- Multiple PTOs
- Compartment lights interlocked to parking lights and park brake
- Inclinometer control
- Outrigger interlock control
- Transmission auto-neutral with interlocks
- Strobe lights interlocked to transmission neutral
- Equipment hour meters
- Body mounted warning flashers
- Hydraulic tool control
- Custom emergency pump control
- Custom remote throttle controls
- Low hydraulic level indicator
- Hydraulic oil over-temperature indicator
- Hydraulic oil clogged indicator
- Low/hot hydraulic oil PTO shutdown
- PTO shutdown override switch