



### 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

### REMOTE ENGINE SPEED CONTROL

- **12VGA** - Remote mounted body builder interface wiring for engine speed control with N13 engines
- **12VZA** - Remote body builder interface wiring for engine speed control with N9, N10 and MaxxForce 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

### EXHAUST REGEN INHIBIT

- **07WZX** - Exhaust regeneration inhibit switch, momentary, resets when key off.

### WORK LIGHT ACCOMMODATION

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

### 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.

### 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.

### WINDSHIELD WIPER SPEED CONTROL

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

### HEADLIGHTS

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

## **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.

## **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.

## **BACK-UP ALARM**

- **08THB** - Provides a 102 dBA audible alarm when a vehicle is operated in reverse gear.

## **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**

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

## **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

## **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.
- **13XAA** - PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
- **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.
- **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)
- **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.
- **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

- **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**

- **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:***

- 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