



DIAMOND LOGIC® BODY INTEGRATION

QUICK REFERENCE GUIDE

BODY INTEGRATION UNIT CODE

BODY/FOG/WORK LIGHTS

LIGHT Work Pedestal Mounted	08WLL
LIGHT Work Back of Cab Light	08WMA
AUXILIARY HARNESS, Front Row	08THJ
WIRING, Body Builder – BOC	08HAB
WIRING, Body Builder – Frame	08HAE

FRAME CONNECTIONS

TRAILER CONNECTION SOCKET – Separate Stop/Turn Signals	08TME
TRAILER CONNECTION SOCKET – Combined Stop/Turn Signals	08TMG
Electric Brake/Lights Accommodation – Separate Stop/Tail Signals – less sockets	08HAG
Electric Brake/Lights Accommodation – Combined Stop/Tail Signals – less sockets	08HAH
Trailer Auxiliary Circuit – 30 amp	08TKK

PTO

Cable Shift Engaged PTO	60ABA
Muncie Lectra – Shift PTO	60ABB
Electric over Hydraulic PTO	60ABE
Electric over Air, Non Clutched PTO	60ABK
Electric over Air, Clutched PTO	60ABL
PTO Control with Air Solenoid	13XAA

REMOTE START/STOP

REMOTE START/STOP	60ABC
REMOTE START/STOP with Emergency Pump Motor	60ABD

SWITCH PACK INDICATORS

INDICATOR LIGHTS – Refuse	60AJC
INDICATOR LIGHTS – Utility	60AJD
INDICATOR LIGHTS – Dump	60AJK

CAB SWITCH CONTROLS FOR BODY

6 Momentary Switch, Body Circuits – Rear	08WSK
6 Momentary Switch, Body Circuits – BOC	08WSM
12 Momentary Switch, Body Circuits – BOC	08SAJ
6 Latched Switch, Body Circuits – Rear	08WTJ
6 Latched Switch, RPM – BOC	60AAA
12 Latched Switch, RPM – BOC	60AAB

NORMALLY CLOSED AIR SOLENOIDS

(1) Normally Closed SOLENOID	08WGA
(2) Normally Closed SOLENOIDS	08WGB
(3) Normally Closed SOLENOIDS	08WGC
(4) Normally Closed SOLENOIDS	08WGD

NORMALLY OPEN SOLENOIDS

(5) Normally Open SOLENOID	08WGP
(6) Normally Open SOLENOIDS	08WGR

REMOTE ENGINE SPEED CONTROLS

Preset, Variable and remote pedal engine speed controls	12VZA
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IN CAB POWER SOURCES

Lift Gate POWER SOURCE	08WJA
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INTERLOCK SWITCHES

Switch Interlocked to Vehicle Speed	60ACG
2 Switches Interlocked to Vehicle Speed	60ACH

3 WAY SWITCH CONTROLS

1 Momentary Switch	60ACS
2 Momentary Switches	60ACT
3 Momentary Switches	60ACU

POWERPACK 3

Battery Box Mount – Stationary	60AAC
Body Mount – Stationary	60AAE
Battery Box Mount – Mobile	60AJN
Body Mount – Mobile	60AJP

PART DESCRIPTION ENGLISH DESCRIPTION CURRENT PART

REMOTE POWER MODULES

CONTROL, ELECTRONIC* REMOTE PWR	RPM by itself	2588909C92
CONTROL, ELECTRONIC* REMOTE PWR	Complete BOC RPM kit including switches, datalink wires etc. (pre 2007 4000 series)	2585983C93
CONTROL, ELECTRONIC* REMOTE PWR	Complete BOC RPM kit including switches, datalink wires etc. (post 2007 4000 series)	2594132C91

RPM MOUNTING BRACKETS

BRACKET, CONTROL MODULE* REMOTE	4000 Back of Cab RPM bracket	3558794C1
BRACKET, CONTROL MODULE* REMOTE	7000 Daycab RPM bracket	3582976C2
BRACKET, CONTROL MODULE* REMOTE	7000 Crew/Extended RPM bracket	3582983C2
BRACKET, CONTROL MODULE* REMOTE	Back of Frame RPM mounting bracket	3554544C1

RPM, OUTPUT CONNECTOR, BROWN J4

CONNECTOR, BODY* 8 WAY BROWN PAC	8-way remote power Module Output connector (Brown)	3548934C1
LOCK, CONNECTOR BODY* 8 WAY PACK	Connector Lock (Lt Grey), 8-way brown RPM connector	3548943C1
PLUG, SEALING, 150 SERIES	Cavity Plug (Dk Red), 8-way brown RPM connector	2025431C1
TERMINAL, CABLE* CONN TERMINAL	Terminal, 12 g, 8-way brown RPM connector	3534163C1
SEAL, CABLE TERMINAL* GT 280 SER	Seal (Blue), 12 g, 8-way brown RPM connector	3548945C1
TERMINAL, CABLE* GT 280 SERIES 5	Terminal, 14 g, 8-way brown RPM connector	3535931C1
SEAL, CABLE TERMINAL* GT 280 SER	Seal, (Dk Red) 14 g, 8-way brown RPM connector	3535937C1
TERMINAL, CABLE* GT 280 SERIES 5	Terminal, 16 g, 8-way brown RPM connector	3535931C1
SEAL, CABLE TERMINAL* GT 280 SER	Seal, (Purple) 16g, 8-way brown RPM connector	3535936C1

RPM, INPUT CONNECTOR BLACK 23-WAY J3

CONNECTOR, BODY 23-WAY	23-way Remote Power Module input connector (Black)	2588914C1
TERMINAL, CABLE	Black 23-way RPM input connector terminal 16, 18, 20 gauge	1698937C1

TERMINAL KIT FOR INPUT / OUTPUT CONNECTORS

KIT, RPM TERMINAL/SEAL 14GA	Dark red seal and 14 gauge output terminal and input terminal	2585423C91
KIT, RPM TERMINAL/SEAL 12GA	Blue seal and 12 gauge output terminal and input terminal	2585651C91
TERMINAL, BODY CONTROLLER	Wire Harness Terminal for 2007 Body Controller	1687848C1

DATALINK CONNECTORS J1939

RESISTOR, ELECT* TERMINATING RES	Datalink Terminating Resistor	3559775C1
RESISTOR, J1939	3 Pin J1939 Terminating Resistor	3519178C91

SWITCH PACKS

HOUSING, SWITCH* 6 PACK DIN MULT	6-pack switch housing with 6 blanks in switch locations	3549776C4
HOUSING, SWITCH* 12 PACK DIN MUL	12-pack switch housing with 12 blanks in switch locations	3549777C4
PLUG, FILLER* SWITCH	Switch blank for 6/12 packs	3533950C1
COVER, INSTRU PNL OPENING	Blank cover for switchpack housing	3534054C2

SWITCHES AND LEDES

Switch, Blank Rocker, 2 Position Bi-stable, Red Button	2 position red latched switch (Bistable)	2589590C91
Switch, Blank Rocker, 2 Position Bi-stable, Blue Button	2 position blue latched switch (Bistable)	2589880C91
Switch, Blank Rocker, 2 Position Bi-stable, Orange Button	2 position orange latched switch (Bistable)	2589881C91
Switch, Blank Rocker, 2 Position Bi-stable, White Button	2 position white latched switch (Bistable)	2589882C91
Switch, Blank Rocker, 2 Position Bi-stable, Yellow Button	2 position yellow latched switch (Bistable)	2589883C91
Switch, Blank Rocker, 2 Position Bi-Stable, Red Button w/Guard	2 position red latched switch with guard (Bistable)	2594084C1
Switch, Blank Rocker, 2 Position Bi-Stable, Black Button w/Guard	2 position black latched switch with guard (Bistable)	2594085C1
SWITCH, BLANK RCKR-2 POS BISTAB	2 position latched switch (Bistable) (Red actuator)	3578910C1
SWITCH, BLANK RCKR-3 POS MONOST	3 position momentary, center stable (Monostable) (Black actuator)	3564004C1
SWITCH, BLANK RCKR-2 POS MONOST	2 position momentary, down stable (Monostable) (Blue actuator)	3579027C1
SWITCH, BLANK RCKR-3 POS TRISTA	3 position latching in all 3 positions (Tristable) (White actuator)	2585638C1
LIGHT, IND, LED ON-GREEN, BRIGHT	Green LED for switchpack switch	3578733C1
LIGHT, IND, LED AMBER BKLGT	Amber LED for switchpack switch	3533928C1
LENSE, IND, WRNG GREEN-LESS LED	Green Warning Light Assembly	3587032C1
LIGHT, IND, LED ON (GRN) 3.0CNDL	Green 3 candle power Warning Light LED	3596344C1
LENSE, IND, WRNG YELLOW-LESS LED	Amber Warning Light Assembly	3587033C1
LIGHT, IND, LED ON (YLLW) 3.0CNDL	Amber 3 candle power Warning Light LED	3587034C1
LENSE, IND, WARNING RED-LESS LED	Red Warning Light Assembly	3587024C1
LIGHT, IND, LED ON (RED) 3.0 CNDL	Red 3 candle power Warning Light LED	3587031C1



TIPS FOR DIAMOND LOGIC® BUILDER FIELD USERS AND TEMs

- When ordering Switches or Indicator Lights, don't forget to order the related leds.
- Field RPM Installation Kit does not include mounting bracket "specific to vehicle model."
- When installing 2nd and 3rd RPMs, order related parts for installation depending upon location and distance from the first RPM, such as:
 - Switch packs
 - Air packs
 - RPM support bracket
 - Related switches, ind. lights, leds, labels
 - Related connection terminals, seals, connectors
- Always make sure you have the terminating resistors at the end of the J19139 data links in the Last Air Pack and the Last RPM of the chain.
- Place special attention in protecting all the new connections with the weather protection items provided for wires and terminals!
- The right side of a switch pack is with the white wire in the upper end!
- If basic Remote Engine Speed is required in a vehicle build without codes 12VYC, 12VXY or 12VZA, it can be added in the field...at dealer level!

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PART DESCRIPTION	ENGLISH DESCRIPTION	CURRENT PART #
PRE-LABELED SWITCHES		
SWITCH, ELECTRONIC WORK LIGHT	3 position momentary, center stable (Monostable)	3563063C1
SWITCH, ELECTRONIC FOG LIGHT	2 position latched switch (Bistable)	3563064C1
SWITCH, ELECTRONIC PLOW LIGHT	2 position latched switch (Bistable)	3563066C1
SWITCH, ELECTRONIC PTO	2 position latched switch (Bistable)	3563079C1
SWITCH, ELECTRONIC PTO, XFER CASE	2 position latched switch (Bistable)	3587551C1
SWITCH, ELEC HAND THROTL ON/OFF	3 position momentary, center stable (Monostable)	3581603C2
SWITCH, ELEC HAND THRTL DEC/ACC	3 position momentary, center stable (Monostable)	3581604C1
SWITCH, ELECTRONIC* LIFT GATE	3 position momentary, center stable (Monostable)	3593177C1
SWITCH, EXTERIOR LAMP CHECK	3 position momentary, center stable (Monostable)	3594931C1
GRAPHICS AND TOOL		
KIT, LIGHT, WINDOW SW PROD GRAPH	First 5 sheets of the switch graphics	3552005C4
PROD GRAPH, SWTCH LABEL 6TH SHT	Sixth graphic sheet (Starting with Self Test)	2588422C1
PROD GRAPH, SWTCH LABEL 7TH SHT	Seventh graphic sheet	2589327C1
PROD GRAPH, SWTCH LABEL 8TH SHT	Eighth graphic sheet	2590999C1
PROD GRAPH, SWTCH LABEL 9TH SHT	Ninth graphic sheet	2591000C1
PROD GRAPH, SWTCH LABEL 10TH SHT	Tenth graphic sheet	2593674C1
PROD GRAPH, SWTCH LABEL 11TH SHT	Eleventh graphic sheet	2593676C1
PROD GRAPH, SWTCH LABEL 12TH SHT	Twelfth graphic sheet	2593677C1
KIT, LIGHT, PROD GRAPH/WIND SWTC	Switch Label graphic sheet for Theft-Deterent w/4 sets on 1 sheet	3601374C1
TOOL, RADIO RMVL CQ2500 & CQ3700	Tool to remove radio and switchpacks	2504954C1
AIR SOLENOID MODULES		
BRACKET, SOLENOID* FOUR PACK	4-pack air solenoid base	2505594C1
KIT, AIR HORN SOLENOID	Air Horn solenoid	2506713C91
KIT, AIR BRK* SOLENOID COVER PLT	Air Horn solenoid cover plate	2507597C91
KIT, AIR BRAKE SOLENOID* N.C.	Normally closed air solenoid (Black ring around air port)	2506711C91
KIT, AIR BRAKE SOLENOID* N.O.	Normally open air solenoid (White ring around air port)	2506712C91
BODY, CONNECTOR	Female connector to connect ESC to 4-pack air solenoid	1661375C2
LOCK CONNECTOR BODY	Female connector lock to connect ESC to 4-pack air solenoid	1661376C1
TERMINAL, CABLE (FOR 14 GA ONLY)	14g female terminal for 4-pack air solenoid connector	2033816C1
PLUG, SEALER, LOOSE PIECE	14g wire seal for 4-pack air solenoid connector	589391C1
TERMINAL, CABLE (FOR 16 GA ONLY)	16g female terminal for 4-pack air solenoid connector	2033819C1
PLUG, SEALER	16g wire seal for 4-pack air solenoid connector	1652325C1
RESCM REMOTE ENGINE SPEED CONTROL MODULE		
CONTROL, ELECTRONIC* REMOTE ENG	Remote Engine Speed Control Module by itself	3559721C94
KIT, REMOTE ENG SPD CONTROLLER	Remote Engine Speed Control Module Kit (pre 2007)	2587184C91
KIT, REMOTE ENG SPD CONTROLLER	Remote Engine Speed Control Module Kit (post 2007)	2594148C91
CONNECTOR, BODY* W/RESISTOR & R	Blue 23-way RESCM input connector (Blue)	3559780C2
TERMINAL, CABLE	Blue 23-way RESCM input connector terminal 16, 18, 20 gauge	1698937C1
* For 7000 series-mounting bracket may be required		
HARNESSES		
HARNESSES, ELEC; CHAS WI	1.6 foot datalink jumper harness (M – M connectors)	3558937C92
HARNESSES, ELEC; RPU/RPTO BOC DLN	11.5 foot datalink jumper harness (M – M connectors)	3554070C93
HARNESSES, DATALINK JUMPER 1.64FT	1.6 foot datalink extension harness (F – M connectors)	2506379C91
HARNESSES, CHASSIS WIRING* SINGLE	3.5 foot power harness for RPM	3558934C92
HARNESSES, ELEC; CHAS WI	Dual power lead for 2 RPMs 1.5 foot	3559350C91
HARNESSES, CAB O/L RPM FEED, SEV	9.5 foot power harness for RPM	2508640C91
HARN, CTR CHS RPM FEED EOF 3500	11.5 foot power harness for RPM (Male & Female Deutsch connectors)	2506669C91
* For additional harnesses, see catalogue		
TERMINALS FOR 08HAB AND 08HAE		
BODY, CONNECTOR 7WAY METRI PAK	7-way male connector (4450)	2039311C91
BODY, CONNECTOR 7WAY METRI PAK	7-way female connector (4450) – Body Builder End	2039312C91
LOCK, CONNECTOR BODY	Lock	2039342C1
PLUG, CAVITY	Plug for male and female connector	587579C1
PLUG, SEALER	Seal 14-16 gauge	1652325C1
PLUG, SEALER LOOSE PIECE	Seal 12 gauge	589390C1
TERMINAL, CABLE 280SERIES SEALD	Terminal female 12 gauge	3512334C1
TERMINAL, CABLE* 14 AWG FEMALE P	Terminal female 14 gauge	3512334C1
TERMINAL, CABLE 280 METRI SEALD	Terminal female 16 gauge	3512334C1
TERMINAL, CABLE	Terminal 12 male gauge – Body Builder End	1687848C1
TERMINAL, CABLE FOR 14GA ONLY	Terminal 14 male gauge – Body Builder End	2033912C1
TERMINAL, CABLE FOR 16 GA ONLY	Terminal 16 male gauge – Body Builder End	1687848C1
CONNECTOR, CABLE 3-WAY MALE	3-way female connector	1686834C1
LOCK CONNECTOR BODY	Lock for female connector	1664408C1
CONNECTOR, BODY* SEALED FEMALE 3	3-way male connector – Body Builder End	3553961C1
LOCK, CONNECTOR BODY* PACKARD M	Lock for male connector – Body Builder End	3554019C1
PLUG, CAVITY	Plug for 3-way connector both ends	587579C1
PLUG, SEALER, LOOSE PIECE	Seal 14 gauge	589391C1
PLUG, SEALER	Seal 16 gauge	1652325C1
TERMINAL, CABLE FOR 14GA ONLY	Terminal male 14 gauge – Body Builder End	2033912C1
TERMINAL, CABLE FOR 14GA ONLY	Terminal male 16 gauge – Body Builder End	1687848C1