

## **BID SPECIFICATIONS**

**BID DESCRIPTION:** Furnish and Deliver One (1) New and Unused 2012 International 7400 Cab and Chassis Truck with BeauRoc Dump Body (ECWA No. 18).

**PROJECT No.** 201200188

One (1) New and Unused 2012 International 7400 Cab and Chassis Truck with Beau-Roc Dump Body with all standard equipment and warranties including the following:

### Model Profile

2012 7400 SBA 4x2 (SA625)

Application:	Construction Dump
Mission:	Requested GVWR:44000, Calc. GVWR:44000 Calc. Start/Grade Ability: 31.40%/2.10% @ 55 MPH Calc. Geared Speed: 75.0 MPH
Dimension:	Wheelbase: 175.00, CA: 107.90, Axle to Frame: 63.00 Note: Body Company Approval Required
Engine, Diesel:	(MaxxForce DT) EPA 10. 270 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM. 2400 RPM Governed Speed. NO additional UREA, SCR, Add-Blue, DEF Tanks for Emissions
Transmission, Automatic:	{Allison 3500_RDS_P} 4 <sup>th</sup> Generation Controls; Wide Ratio, 6-Speed, with Double Overdrive: On/Off Hwy; Includes Oil Level Sensor, with PTO Provision, Less Retarder, with 80,000-lb GVW and GCW Max.
Clutch:	Omit Item (Clutch and Control)
Axle, Front Non-Driving:	{Meritor MFS-18-133A} Wide Track, I-Beam type, 18,000-lb Capacity
Axle, Rear Single:	{Meritor RS-30-185} Single Reduction, Standard Track, 30,000-lb Capacity, T Wheel Ends, Driver Controlled Locking Differential Gear Ratio: 6.14
Cab:	Conventional
Tire, Front:	(2) 315/80R22.5 G287 MSA (Goodyear) 485 rev/mile, load range L, 20 ply
Tire, Rear:	(4) 12R22.5 G282 MSD (Goodyear) 481 rev/mile, load range H, 16 ply
Suspension, RR, Spring, Single:	Vari-Rate: 31,000-lb Capacity, Includes 4500-lb Capacity Multileaf Auxiliary
Paint:	Cab schematic 100GN Location 1:9219, Winter White (Std) Chassis schematic N/A

Vehicle Specifications  
2012 7400 SBA 4x2 (SA625)

<u>Code</u>	<u>Description</u>
SA62500	Base Chassis, Model 7400 SBA 4x2 with 175.00 Wheelbase, 107.90 CA, and 63.00 Axle to Frame
1586	Tow Loop, Front
1CAJ	Frame Rails Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0 mm x 92.0 mm x 11.1 mm); 456.0" (11582 mm) Maximum OAL
1LLA	BUMPER, FRONT Steel, Swept Back <u>Includes</u> BUMPER, FRONT Powder Coated Gray (Argent) Color
1WGR	WHEELBASE RANGE 138" (350 cm) Through and including 187" (475 cm)
2ARZ	AXLE, FRONT NON-DRIVING (Meritor MFS-18-133A) Wide Track, I-Beam Type, 18,000-lb Capacity
3ADG	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; With Shock Absorbers <u>Includes</u>
4091	SPRING PINS Rubber Bushings, Maintenance-Free BRAKE SYSTEM, AIR Dual System for Straight Truck Applications <u>Includes</u> BRAKE LINES: Color and Size Coded Nylon DRAIN VALVE: Twist-Type DUST SHIELDS, FRONT BRAKE DUST SHIELDS, REAR BRAKE GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster PARKING BRAKE CONTROL Yellow Knob; located on Instrument Panel PARKING BRAKE VALVE For Truck QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 SLACK ADJUSTERS, FRONT Automatic SLACK ADJUSTERS, REAR Automatic SPRING BRAKE MODULATOR VALVE R-7 FOR 4x2, SR-7 with relay valve for 6x4 <u>Notes</u> Rear Axle is limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.
4193	BRAKES, FRONT, AIR CAM 16.5" x 6" includes 24 Sq In Long Stroke Brake Chambers

<u>Code</u>	<u>Description</u>
4619	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank <u>Includes</u> DRAIN VALVE mounted in Wet Tank
4773	BRAKE SHOES, REAR Cast
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
4EBT	AIR DRYER {Bendix AD-IP} With Heater <u>Includes</u>
4ETE	BRAKE CHAMBERS, FRONT AXLE {Haldex} 24 Sq In
4EVL	BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake <u>Includes</u> BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES All 4x2, 4x4, 6x4, and 6x6 with Rear Tandem Axles Less Than 46,000-lb or GVWR less than 54,000-lb
4NDB	BRAKES, REAR, AIR CAM S –Cam, 16.5" x 7.0", Includes 30/30 Sq In Long Stroke Brake Chamber and Spring Actuated Parking Brake
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2CFM Capacity
4VBD	AIR DRYER LOCATION Mounted Outside Left Rail 25" BOC
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam, Black
5PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power
7BHU	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Right Side Back of Cab; Includes Vertical Tail Pipe and Guard <u>Includes</u> EXHAUST HEIGHT 10' Exhaust Height – Based on Empty Chassis with Standard Components (+ or - 1" Height)
8000	MUFFLER/TAIL PIPE GUARD Non-Bright Finish ELECTRICAL SYSTEM 12-Volt, Standard Equipment <u>Includes</u> BATTERY BOX Steel with Plastic Lid DATA LINK CONNECTOR For Vehicle Programming and Diagnostics in Cab FUSES, ELECTRICAL SAE Blade-Type HAZARD SWITCH Push On/Push Off Located on Top of Steering Column Cover

<u>Code</u>	<u>Description</u>
	HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels
	HORN, ELECTRIC Single
	JUMP START STUD Located on Positive Terminal of Outermost Battery
	PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	RUNNING LIGHT (2) Daytime, Included With Headlights
	STARTER SWITCH Electric, Key Operated
	STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Refelctor
	TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	TURN SIGNAL, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers, Flush Mounted
	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8GHC	ALTERNATOR {Leece-Neville LBP2203H} Brush Type, 12 Volt 160 Amp Capacity, Pad Mount
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn
8MKL	BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
8NAA	TAIL LIGHT WIRING MODIFIED Includes: Wiring for Standard Lt and Rt Tail Lights; Separate 8.0' of Extra Cable Wiring for Lt and Rt Body Mounted Tail Lights
8RGA	2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
8RJV	RADIO {International} AM/FM Stereo Weatherband, Clock, Auxiliary Input, Includes Multiple Speakers
	<u>Includes</u>
	SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior

<u>Code</u>	<u>Description</u>
8THB	SPEAKERS IN CAB (4) Coaxial with Premium Interior
8TME	BACK-UP ALARM Electric, 102 dBA 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 Turn Lamps
8TMH	SWITCH, AUXILIARY Accessory Control: for Wiring in Roof, With Maximum of 20 amp Load With Switches in Instrument Panel
8WBW	JUMP START STUD Remote Mounted <u>Includes</u> JUMP START STUD Mounted to Battery Box
8WLK	TURN SIGNALS, FRONT Dual Face, Amber/Amber, Mounted on Top of Fender, Used With Standard Flush Mounted Front Turn Signal, Side marker Lamps, Parking Lights and Reflectors
8WMA	SWITCH, TOGGLE, FOR WORK LIGHT Lighted on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light
8WPP	ENGINE SHUTDOWN Automatic; With 30 Second Delay, With International Engines
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
9585	FENDER EXTENSIONS Rubber
9HBM	GRILLE Stationary, Chrome
9WAC	BUG SCREEN Front End; Mounted Behind Grille
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 and 2010 Emissions
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> PAINT SCHEMATIC ID LETTERS "GN"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch and Control)
12959	BLOCK HEATER, ENGINE {Philips} 120 Volt/1250 Watt <u>Includes</u> BLOCK HEATER SOCKET Receptacle Type; Mounted below Driver's Door

<u>Code</u>	<u>Description</u>
12NUR	<p>ENGINE, DIESEL {MaxxForce DT} EPA 10. 270 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed  NO additional UREA, SCR, Add-Blue, DEF Tanks for Emissions  <u>Includes</u>  AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)  ANTI-FREEZE Red Shell Rotella Extended Life Coolant, -40 Degrees F/-40 Degrees C; for MaxxForce Engines  COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control  CRUISE CONTROL Electronic; Controls Integral to Steering Wheel  ENGINE OIL DRAIN PLUG Magnetic  ENGINE SHUTDOWN Electric, Key Operated  FUEL FILTER Included with Fuel/Water Separator  FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single assembly; With Water-in-Fuel Sensor, Engine Mounted  GOVERNOR Electronic  OIL FILTER, ENGINE Spin-On Type  WET TYPE CYLINDER SLEEVES</p>
12THT	<p>FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for disengaged Fan Speed  <u>Includes</u>  FAN Nylon</p>
12UAS	<p>RADIATOR Aluminum, Cross Flow, Series System: 1228 Sq In Core and 648 Sq In Charge Air Cooler and 342 Sq In Low Temperature Radiator  <u>Includes</u>  DEAERATION SYSTEM with Surge Tank  HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps  RADIATOR HOSES Premium, Rubber</p>
12UXG	FEDERAL EMISSIONS for 2010; MaxxForce DT Engines
12VBC	<p>AIR CLEANER Single Element  <u>Includes</u>  GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted</p>
12VXT	<p>THROTTLE, HAND CONTROL Engine Speed Control/; Electronic, Stationary, Variable Speed, Mounted on Steering Wheel</p>

<u>Code</u>	<u>Description</u>
12VYP	ENGINE CONTROL, REMOTE MOUNTED – No Provision Furnished for Remote Mounted Engine Control
12WZC	EMISSION COMPLIANCE 5 Min., Tamper-Proof Engine Shutdown System, Complies With California Clean Air Regulations, Does Not Certify Engine for Low-NOx Extended Idling
13AJN	TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 4 <sup>th</sup> Generation Controls; Wide Ratio, 6-Speed With Double Overdrive, On-Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW and GCW Max <u>Includes</u> OIL FILTER, TRANSMISSION Mounted on Transmission TRANSMISSION OIL PAN Magnet in Oil Pan
13WAW	OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil for Allison or CEEMAT Transmission
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 and 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
13WYK	SHIFT CONTROL PARAMETERS Allison Load Based Shift Schedules (LBSS)
14 ASD	AXLE, REAR, SINGLE {Meritor RS-30-185} Single Reduction, Standard Track, 30,000-lb Capacity, T Wheel Ends, Driver Controlled Locking Differential, Gear Ratio: 6.14 <u>Includes</u> REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle
14SAL	SUSPENSION, RR, SPRING, SINGLE Vari-Rate: 31,000-lb Capacity, Includes 4500-lb Capacity Multileaf Auxiliary
15LKG	FUEL/WATER SEPARATOR With Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/ Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor
15SGG	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 19" Deep, 70 US Gal., 265 L Capacity, With Quick Connect Outlet, Mounted Left Side, Under Cab
16030	CAB Conventional <u>Includes</u> ARM REST (2) Molded Plastic, One Each Door CLEARANCE/MARKER LIGHTS (5) Flush Mounted COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

<u>Code</u>	<u>Description</u>
	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel
	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
	GLASS, ALL WINDOWS Tinted
	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side
	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side
	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color
	STEP (4) Two Steps Per Door
16 HBA	GAUGE CLUSTER English With English Electronic Speedometer <u>Includes</u> GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HGH	GAUGE, OIL TEMP, ALLISON TRAN
16HKT	IP CLUSTER DISPLAY On Board Diagnostics display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust <u>Includes</u> SEAT BELT 3-Point, Lap and Shoulder Belt Type
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Angle Back Adjust <u>Includes</u> SEAT BELT 3-Point, Lap and Shoulder Belt Type



<u>Code</u>	<u>Description</u>
16SDP	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" and Integral Convex Both Side, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatic Controlled, Bright Finish Heads and Brackets.
16SEE	GRAB HANDLE Chrome, Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar
16 WCT	AIR CONDITIONER {Blend-Air} With Integral Heater and Defroster <u>Includes</u> HEATER HOSES Premium HOSE CLAMP, HEATER HOSE Mubea Constant Tension Clamps
16WJS	REFRIGERANT Hydrofluorocarbon HFC-134A
16WKY	INSTRUMENT PANEL Center Selection, Flat Panel
16WRX	HVAC FRESH AIR FILTER CAB INTERIOR TRIM Deluxe <u>Includes</u> "A" PILLAR COVER Molded Plastic CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors FLOOR COVERING Rubber, Black HEADLINER Soft Padded Cloth INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
16WSK	CAB REAR SUSPENSION Air Bag Type
16XWJ	WINDSHIELD WIPER BLADES Snow Type
27DMW	WHEELS, FRONT DISC: 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75 mm BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With Steel Hubs <u>Includes</u>
28DMA	PAINT IDENTITY, FRONT WHEELS White WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75mm BC) Hub Piloted, Flanged Nut, Metric Mount 8.25 DC Rims With Steel Hubs <u>Includes</u>

<u>Code</u>	<u>Description</u>
29WAP	PAINT IDENTITY, REAR WHEELS White WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel
29WAR	WHEEL GUARDS, REAR {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts, Mounted Between Hub and Wheel and Between Dual Wheels
7382158105	(4) TIRE, REAR 12R22.5 G282 MSD (GOODYEAR) 481 rev/mile, load range H, 16 ply
7772540125	(2) TIRE, FRONT 315/80R22.5 G287 MSA (GOODYEAR) 485 rev/mile, load range L, 20 ply
40BJZ	<b>Services Selection</b> SERVICES, TOWING To 36-Month/50,000 Miles (80,000 km), 1800 Hours; Service Call to the Vehicle or Towing to the Nearest International Dealership for a Non- Drivable Unit in Conjunction with an International Warrantable Failure; \$250 (USA) Maximum Benefit per Incident
1	Extended Engine Warranty: 84 months/250k miles/9,000 engine hours includes turbo, injectors and water pump
2	Allison Coverage (extended to 5 years – to be included in bid price)
3	(1) Copy parts & service manual
4	Fire Extinguisher and Triangle kit (mounted in cab)

## ECWA Dump Body Specification

<u>Quantity</u>	<u>Description</u>
	BeauRoc Conventional Diamond Body Line – Single Axle DHS Models includes: SA cylinder, mounting kit (DSA-24T), Body Prop. All bodies have 3/16" 44W Sills, 4 mm (5/32") AR450 sides, 4.5 mm (3/16") AR450 floor, 4.5 mm (3/16") AR450 tailgate, 4 mm (5/32") AR 450 front
1	GS72595F – DHS 12 ft Body, 30" sides, 42" door, CS-110-4.5-3 cyl.
1	GS72900F – 3-1/2" Air Cylinder Kit (815-6X-2AT)
1	GS72910 – Coal Door Std - 13" high (801-1X)
	BODY TO BE PAINTED ERIE COUNTY BLUE TO MATCH FLEET (Sherwin Williams Chip # SB4210)
1	GS70121F – LED Lights Stop/Tail/Turn – back of body (pair) (Truck Lite)
2	GSAMEASF – Triple flash Amber Flashing Lights – back of body (pair) one pair front corners of cab shield
1	GS70136F – Pintle Hook 3/4" Plate with “D” rings
1	GS701SSS – Hardwood Bumperboards mounted to bottom rail
1	GS70304S – Mud Flaps, rear rubber mounted hung from chain brackets
1	GS70376F – Mud Flaps, front of wheel to be steel
3	GS89314F – Glad Hands
1	GS70360F – 7 Way Trailer Plug
1	GS70396F – Extra Step at front of Dump Body
1	GSPECIALF – Hoist Cylinder Limit Switch
1	GSPECIALF – Inside Cage Around Auto Oiler
1	GS70306F – Electric Vibrator for Dump Body
	Hydraulic components consisting of:
1	GS20122F – Parker P20 Single Pump w/Chelsea PTO – hot shift (28 gmp) Transmission Mounted PTO with Single Pump
1	GS22000F – 35 Gallon Frame Mount Oil Reservoir
1	GS22100F – Oil Filter Condition Indicator
1	GS22110 – Hydraulic Oil Line Shut Off (1-1/4" Standard) (each)
1	GS23100 – One Spool Valve (CSS VA20) 40 gpm maximum, 2500 psi max
1	GS24270F – For units with One Air Cab Control
1	GS24200F – One Handle Floor Mount Cab Controls – air operated
1	GS26460F – HOSE KIT for Hydraulic Unit with single pump
1	Rear Bumper Fabricated AND Integrated Into Rear Frame as Specified, See Attached

All Electrical Accessories shall be independently wired and fused. Any access holes must be waterproof.