



EMERGENCY & AMBER MARKET PRICE BOOK

Effective Date: October 1, 2016

MNSTAR Technologies Automotive Aftermarket Products is now MNSTAR Solutions, an All Fleet Solutions brand. MNSTAR Customers will continue to be supported by the same team and MNSTAR products will continue to be produced by our team in Grand Rapids, Minnesota, continuing our long term commitment to manufacturing in the the United States.

Law Enforcement, Emergency, Utility, Commercial Truck, and Off-Road Vehicle products will now be part of the All Fleet Solutions offerings. Our objective remains the same - to design solutions for our customer that help you "Build Better. Build Faster."

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Designing solutions to help you
Build Better. Build Faster.





Base, Installer, Integrator & Plug & Play Available Options

BH-Series IFL1-Level 1 T1-Front Battery T1-Rear Battery T2-Front Battery T2-Rear Battery T2*DV Battery P1-Front Battery P1-Rear Battery P2-Front Battery P2-Rear Battery ICAN1 - CanTrol ICAN2 - CanTrol													Description
Vehicle Interface Option: <i>The circuits run to the switchbox location.</i>													
A	A	A	A	A	A	A	A	A	A	A	-	-	Option A: Back Light, Spot Light, Park Kill, 3 Vehicle Sense, 2 Radio Rebroadcast.
Common Sync Wire Option:													
S	S	S	S	S	S	S	S	S	S	S	S	S	Front Sync: Sync Four Front Lights, Grill and Corner Aux. Lights.
-	-	S	S	S	S	S	-	-	S	S	S	S	Rear Sync: Deck Light, and 2 at Rear Aux Lights.
Siren Speaker Options													
2	2	2	2	2	2	2	2	2	2	2	2	2	2nd Speaker - Center of Front Bumper +48" to Siren Location.
L	L	L	L	L	L	L	L	L	L	L	L	L	Low Frequency Siren Speakers, 3 Wire - Center of Front Bumper +48" to Siren.
Lighting Options													
-	-	-	-	-	-	-	-	-	-	-	Q	Q	Emitter, Trigger and Ground to Front Bumper for Opticom type Emitter.
J	J	J	J	J	J	J	J	J	J	J	-	-	Dual Color Front Corner Aux Lights: Trigger Wire for 2nd Color at Front Corners.
F	F	F	F	F	F	F	F	F	F	F	F	F	Front Flasher: Front Flash Power, Trigger, & Ground.
N	N	N	N	N	N	N	N	N	N	N	N	N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.
E	E	E	E	E	E	E	E	E	E	E	E	E	Front Fender Marker Lights, Dual Color: Two Triggers, Ground, and Sync.
-	-	-	-	-	-	-	C	C	C	C	C	C	Steering Wheel Control Switch Wires, 4 wires with a rear module break out.
-	-	-	-	-	-	-	D	D	D	D	D	D	Dash and Visor Trigger Wires (5) with 2 Grounds, to Passenger A Pillar.
M	M	M	M	M	M	M	M	M	M	M	M	M	Side Mirror Light Trigger 1, Power and Ground.
K	K	K	K	K	K	K	K	K	K	K	M	M	Side Mirror Trigger 2 and 3, Requires Option M.
-	-	B	B	B	B	B	B	B	B	B	B	B	Mid Ship Lights, Dual Color: Two Triggers, Ground, and Sync.
B	B	-	-	-	-	-	-	-	-	-	-	-	Mid Ship Light with 2 Triggers to Match IFL1 Breakout/Ground locations.
O	O	O	O	O	O	O	O	O	O	O	O	O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.
-	-	V	V	V	V	V	V	V	V	V	V	V	SUV Rear/Side Warning Lights: 1 Trigger, Ground and Sync.
-	-	R	R	R	R	R	R	R	R	R	R	R	Rear Warning Lights: 3 Triggers, Ground and Sync.
Gun Lock Option:													
-	-	I	I	I	I	I	I	I	I	I	I	-	Gun Lock Circuit: Power & Ground for Gun Lock, Controller to B-Pillar Breakout
Power Output Options:													
-	-	G	G	G	G	G	G	G	G	G	G	G	(8) 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Use with PD-B* fuse panels.
-	-	H	H	H	H	H	H	H	H	H	H	H	(8) 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Use with PD-B* fuse panels.
-	-	T	T	T	T	T	T	T	T	T	T	T	(8) 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Use with MT28 Timer.
Radio and Power Options: <i>Multiple radio options may be selected.</i>													
P	-	P	-	-	-	-	P	-	-	-	P	-	Power to the Light and Siren Controller, (2) Two 30 Amp 10 Gauge Circuits.
U	U	U	-	U	-	U	U	-	U	-	U	U	Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.
-	-	-	W	-	W	-	-	W	-	W	-	W	W Radio Power Prep: Dedicated radio power, rear battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.
X	X	X	-	X	-	X	X	-	X	-	X	X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.
Y	Y	Y	-	Y	-	Y	Y	-	Y	-	Y	Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.
-	-	-	Z	-	Z	-	-	Z	-	Z	-	Z	Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.



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POWER PREP - Power Distribution Harnesses

Power Prep Harnesses provide Battery Hot, Ignition, Ground and in some configurations Timed fused outputs. These products feature battery direct power and grounds to provide main power distribution for aftermarket equipment installations. Power Prep Harnesses can be broken down into three basic groups:

Full Vehicle Power: The output wires are either long enough to reach throughout the vehicle or are braided to pre-determined breakout locations throughout the vehicle.

Power to the Console: A main power feed and fuse panel at the battery with outputs circuits that reach to the center console.

Power in the Console: A main power feed from the battery to a console mounted fuse panel.

POWER PREP - Full Vehicle Power Distribution

Part number	Description	List Price
EDH120	Installer Harness, Power Prep, 12 Fused Outputs- Requires Battery Cable	\$ 757.00
EDH120-F	Installer Harness, Power Prep, 12 Fused Outputs, Front Battery	\$ 1,166.00
EDH120-M	Installer Harness, Power Prep, 12 Fused Outputs, Mid-Ship Battery	\$ 1,055.00
EDH120-R	Installer Harness, Power Prep, 12 Fused Outputs, Rear Battery	\$ 1,021.00
EDH8R	Power Prep Harness for Whelen PCC8R, Amber Truck Application, 6 Timed Circuits, 2 Battery Hot, and 2 Ign. Hot	\$ 1,056.75
TH45-0	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with Ignition Relay	\$ 804.00
TH45-A	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with DR38-A Timer	\$ 910.00
TH45-VM	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with DR40-VM Voltage Sensing Timer	\$ 961.00
TH55	Power Prep Truck Harness, 6 High Current Circuits to Console & Extended Length with Ignition Relay	\$ 711.00

POWER PREP - Power Distribution To The Center Console

Part number	Description	List Price
EDH35	Power Prep Utility Harness, 4 Circuits to Console	\$ 287.00
EDH40-0	Power Prep Utility Harness, 4 Circuits to Console -Requires Relay or Timer	\$ 340.00
EDH40-A	Power Prep Utility Harness, 4 Circuits to Console with DR38A 2 Hour Timer	\$ 496.00
EDH40-L	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, Requires Relay or Timer	\$ 418.00
EDH40-LA	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, & DR38-A 2-Hour Timer	\$ 555.00
EDH40-LVM	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, & DR40-VM Voltage Sensing Timer	\$ 617.00
EDH40-VM	Power Prep Utility Harness, 4 Circuits to Console with DR40-VM Voltage Sensing Programmable Timer	\$ 558.00
EDH45	Power Prep Utility Harness, 11 Circuits to Console with Ignition Relay	\$ 629.00
EDH45-A	Power Prep Utility Harness, 11 Circuits to Console with DR38-A Timer	\$ 739.00
EDH45-VM	Power Prep Utility Harness, 11 Circuits to Console with DR40-VM Voltage Sensing Timer	\$ 802.00
EDH50	Power Prep Amber Harness, 6 Output, Console & Under hood	\$ 549.00
EDH55	Power Prep Truck Harness, 6 High Current Circuits to Console with Ignition Relay	\$ 620.00

POWER PREP - Power Distribution In The Center Console

Part number	Description	List Price
CH40-0	Power Prep Console Harness, 4 Output, Mounts to 2" Console Face Plate	\$ 279.00
CH40-A	Power Prep Console Harness, 4 Output, With DR38-A Timer, Mounts to 2" Console Face Plate	\$ 448.00
CH40-LVM	Power Prep Console Harness, 4 Output, With DR40-VM Timer, Lind Power Connector, Mounts to 2" Console Face Plate	\$ 608.00
CH40-VM	Power Prep Console Harness, 4 Output, With DR40-VM Timer, Mounts to 2" Console Face Plate	\$ 521.00
CH45-0	Power Prep Console Harness, 11 Output, Mounts to 2" Console Face Plate	\$ 474.00
CH45-A	Power Prep Console Harness, 11 Output, With DR38-A Timer, Mounts to 2" Console Face Plate	\$ 643.00
CH45-VM	Power Prep Console Harness, 11 Output, With DR40-VM Timer, Mounts to 2" Console Face Plate	\$ 714.00

PROTECTOR SERIES - Power Distribution Centers

Part number	Description	List Price
PD-B6	Protector Fuse Panel, 100 Amp, 6 Outputs, Screw Term.	\$ 80.00
PD-B11	Protector Fuse Panel, 11 Outputs Split: 6 (100 Amp), 5 (40 Amp)	\$ 95.00
PD-B12	Protector Fuse Panel, 100 Amp, 12 Outputs, Screw Term.	\$ 95.00
PD-B6I6	Protector Fuse Panel, Dual 100 Amp Inputs, 12 Outputs (6+6), Screw Term with Ground Buss	\$ 110.00
PF-8S	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 36" Power Feed	\$ 567.00
PF-8M	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 54" Power Feed	\$ 584.00
PF-8L	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 102" Power Feed	\$ 611.00
PRT11-0	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed Requires Relay or Timer, 16" Input, 60" Outputs	\$ 283.10
PRT11-A	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed with DR38-A Timer, 16" Input, 60" Outputs	\$ 435.90
PRT11-VM	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed with DR40-VM Timer, 16" Input, 60" Outputs	\$ 483.10
PR-D21	Protector PDC, 21 Fuse Outputs, Terminal Strip, Includes DR38-A	\$ 778.60
00-1800	Relay Control Harness, 5 Wire, 60"	\$ 68.25
00-MRP-6	MNSTAR Relay Panel, 6 Micro Relays, 14 Ga. 18" Wires, 35A/20A Outputs	\$ 155.00
00-PG16	Power and Ground for PD-B Panels to T2 Studs	\$ 50.37
SK-1502	200 Amp Master Relay Kit	\$ 175.90
SK-1550	75 Amp Relay with Relay Control Connector	\$ 92.30

PROTECTOR SERIES - Delay Shut Down Timers and Accessories

Part number	Description	List Price
DR38-A	Delay Shut Down Timer, 2 Hour, 25 Amp Load	\$ 137.40
DR41-VM	Delay Shut Down Timer, Programmable, Voltage Sensing, 30 Amp Output, Diagnostic LED Indicators	\$ 193.60
PK41VM	Kit: DR41-VM Timer, Voltage Sensing, 25 Amp Load, & 00-1705 Pigtail	\$ 214.20
PK41VMR	Kit: DR41-VM Timer, 00-1705 Pigtail, 130/300 Amp Relay & Wiring, Full Vehicle	\$ 481.00
PK41-T2FI	Kit: DR41-VM Timer, Voltage Sensing, 25 Amp Load, 130/300 Amp Relay, Pre-Wire Pigtail & Bracket For Ford Utility Full Vehicle Timeout	\$ 535.80
00-1705	Pigtail and Connector for DR38 Series Timers	\$ 40.39
MT28	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 10.5 to 16.5 VDC Cut-Off	\$ 340.00
MT28-F	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 11.75 to 18.00 VDC Cut-Off with Infinite Mode	\$ 340.00
00-MT28 Power	Braided Power Cable for MT28 Timer from Front Battery to Radio Tray with Ignition Sense. MT28 & MT28-F Sold Separately	\$ 221.00

PROTECTOR SERIES - Battery Cables

Part number	Description	List Price
BC-8L	Installer Long Battery Cable, 102", 6 Ga for 10-PF-8	\$ 129.00
BC-8M	Installer Medium Battery Cable, 54", 6 Ga for 10-PF-8	\$ 104.00
BC-8S	Installer Short Battery Cable, 36", 6 Ga for 10-PF-8	\$ 88.00
TF2-BC	Integrator Front Battery Cable, 6 Gauge, 212", Braided for T2 Series Harnesses	\$ 381.00
TM2-BC	Integrator Mid-Ship Battery Cable, 6 Gauge, 89", Braided for T2 Series Harnesses	\$ 264.00
TR2-BC	Integrator Rear Battery Cable, 6 Gauge, 66", Braided for T2 Series Harnesses	\$ 236.00
BC-CC	Battery Cable, RH** Series, Chevy Caprice, 125 Amp, 102", 6 GA	\$ 306.00
BC-CV	Battery Cable, RH** Series, Ford CVPI, 125 Amp, 240", 6 GA	\$ 442.00
BC-DC	Battery Cable, RH** Series, Dodge Charger, 125 Amp, 60", 6 GA	\$ 243.00
BC-DD	Battery Cable, RH** Series, Dodge Durango, 125 Amp, 193", 6 GA	\$ 273.00
BC-DDM	Battery Cable, RH** Series, Dodge Durango -Mid Ship Battery, 125 Amp, 112", 6 Gauge	\$ 345.00
BC-FE	Battery Cable, RH** Series, Ford Expedition, 125 Amp, 216", 6 GA	\$ 425.00
BC-FI	Battery Cable, RH** Series, Ford Interceptor Sedan & Utility, 125 Amp, 267", 6 GA	\$ 449.00
BC-FI 2GA	Battery Cable, RH** Series, Ford Interceptor Sedan and Utility, 125 Amp, 267", 2 GA	\$ 660.00
BC-TS	Battery Cable, RH** Series, Chevy Tahoe or Suburban, 125 Amp, 300", 6 GA	\$ 446.00

PROTECTOR SERIES - Accessories

Part number	Description	List Price
00-1016	Dual USB Charger	\$ 70.18
00-1169	Foot Switch and Bracket	\$ 49.01
00-1705	Pigtail and Connector for DR38 Series Timers	\$ 40.39
00-1800	Relay Control Harness, 5 Wire, 60"	\$ 68.25
34-0164	Z-Bracket, Ford Interceptors with PF & PS Fuse Panels, EDH80, EDH50	\$ 41.40
62-0001	Diode, Mini-Fuse Size	\$ 3.62
85-0127	Relay 35/20 Amp 12V ISO 280 Foot Print, Micro Song Chuan	\$ 7.38
IN-LINE DIODE	Diode 1 Amp, with Mini Fuse Holder	\$ 12.59
SK-0288-10	Tapa Fuse Kit, Quantity of 10, for use with Ignition Sense Lines	\$ 120.00
HS-025	Heat Shrink, 1/4" x 2" Black, 50 Pieces	\$ 27.50
HS-037	Heat Shrink, 3/8" x 2" Black, 50 Pieces	\$ 27.13
HS-050	Heat Shrink, 1/2" x 2" Black, 25 Pieces	\$ 19.41
HS-075	Heat Shrink, 3/4" x 2" Black, 25 Pieces	\$ 26.88
HS-100	Heat Shrink, 1" x 2" Black, 25 Pieces	\$ 19.27
R91-0002	Removal Tool for DT Connectors	\$ 25.33
R91-0018	Removal Tool for AMP Connectors	\$ 68.10
R91-0019	Removal Tool for WP Connectors	\$ 11.50
R91-0408	Crimp Tool for WP Connectors. 20-12ga Wire	\$ 257.20
R91-0474	Crimp Tool, Ratchet - Packard 10-12ga Wire	\$ 211.33
R91-0533	Crimp Tool for AMP & DT Connectors 22-14ga Wire	\$ 69.36

PROTECTOR SERIES - Accessories

Part number	Description	List Price
CA-Air Horn	Custom Actuator & Switch, (On)-Off, Air Horn	\$ 60.00
CA-Air Horn Manual	Custom Actuator, Siren Air Horn and Manual, (On)-Off-(On)	\$ 60.00
CA-Alley Lights	Custom Actuator & Switch, On-Off-On, Left Alley - Right Alley	\$ 56.00
CA-Dome Light	Custom Actuator, Dome Light On-Off	\$ 43.30
CA-Eco Lock	Custom Actuator & Switch, Eco Lock (On)-Off	\$ 60.00
CA-Exhaust Fan	Custom Actuator, Exhaust Fan On-Off	\$ 43.30
CA-Front Flood	Custom Actuator, Front Flood Light On-Off	\$ 43.30
CA-Front Warning	Custom Actuator, Front Warning Lights On-Off	\$ 43.30
CA-Lower Warning	Custom Actuator, Front Warning Lights On-Off	\$ 43.30
CA-Momentary	Actuator and Switch, No Label, (On)- Off	\$ 60.00
CA-Prisoner LT RW	Custom Actuator, Prisoner Light Red/White, On-Off-On	\$ 56.00
CA-Rear Flood	Custom Actuator, Rear Flood Light On-Off	\$ 43.30
CA-Rear Warning	Custom Actuator, Rear Warning Lights On-Off	\$ 43.30
CA-Scene Lights	Custom Actuator & Switch, On-Off-On, Rear Scene - All Scene	\$ 56.00
CA-Siren/Horn	Custom Actuator & Switch, (On)-Off-(On), Siren - Horn	\$ 60.00
CA-TA Left Right	Custom Actuator, Traffic Advisor Left and Right, On-Off-On	\$ 56.00
CA-Upper Warning	Custom Actuator, Rear Warning Lights On-Off	\$ 43.30
CA-Warning Lights	Custom Actuator & Switch, On-Off, Warning Lights	\$ 43.30
CA-Yelp Wail	Custom Actuator, Siren Yelp and Wail, On-Off-On	\$ 56.00

Additional custom configurations are available upon request, please contact sales@mnstar.com.

POLICE MOTORCYCLE Harnesses & Accessories

Part number	Description	List Price
MH450	Honda Police Motorcycle Harness, ST1300P	\$ 452.40
10-450K	Connector Kit for MH450 Honda	\$ 47.30
10-450K-W	C1-C6 Connector Kit with Wires for MH450 Honda Police Bike	\$ 95.20

Base, Installer, Integrator, and Plug & Play Series - Adaptable Design

The second generation of our Installer & Integrator Series introduced MNSTAR's Adaptable Design. These products are designed to offer a wide array of configurations and options. BH and Level 1 Harnesses are designed to be used with a Power Prep Harness. Utilizing separate harnesses for the lighting installation allows the customer to scale the power distribution to their application.

Level 2 Harnesses feature a centralized Fuse Panel with power distribution built into the harness. The "one piece" approach provides greater uniformity across a large fleet. Additional Accessories from the Protector Series can be added to offer Fuse Panels, Timers, and Relays as part of an installation tailored to the end users' specific needs.

Determine which Harness Series is the correct starting point for your installation.

Harness Series: The Harness Series determines the layout and braiding for the harness. The "T" Integrator and "P" Plug and Play Series are available in both Level 1 and Level 2 configurations.

BH- Base Harness The Base Harness Series offers simple solutions to support vehicle lighting and warning systems. The Harness is braided under hood and to the center console, where braiding stops. The control wires run an additional 107" and can be cut to length. AH-Series accessory harnesses can be utilized for lighting at the rear of the vehicle.

IFL1- Installer The Installer "IFL1" Harness Series adds additional control wires, and spare circuits to the BH Series format. The Harness is braided under hood and to the center console, where braiding stops. The control wires run an additional 107" and can be cut to length.

T1 Integrator The Level 1 Integrator utilizes Power Prep Harnesses for the power distribution while offering a fully braided harness for the light and siren control wires. All T1 harnesses are braided as "Swing Arm" harnesses allowing the control wires to be routed to either the trunk or center console.

T2 Integrator The Level 2 Integrator provides a centralized Power Distribution Center with a fully braided harness for the light and siren control wires. T2 harness can be braided with the control wires routed to either the Center Console, Trunk or braided in the Swing Arm format. The T2 harness includes 12 primary fused outputs.

P1 - Plug and Play The Plug and Play Level 1 utilizes Power Prep Harnesses for the power distribution while offering a fully braided harness for the light and siren control wires. All P1 harnesses are braided for trunk mounted remote head light and siren controllers, and can be provide mating connectors to leading light and siren controllers.

P2 - Plug and Play The Plug and Play Level 2 provides a centralized Power Distribution Center with a fully braided harness for the light and siren control wires. All P2 harnesses are braided for trunk mounted remote head light and siren controllers, and can be provide mating connectors to leading light and siren controllers. The P2 harness includes 12 primary fused outputs.

ICAN1 for Whelen CanTrol The ICAN Level 1 utilizes Power Prep Harnesses for the power distribution while offering a fully braided harness for the light and siren control wires. All ICAN1 harnesses are braided for a trunk mounted Whelen CanTrol light and siren controller. The construction of the ICAN harnesses are unique to the capabilities of the Whelen CanTrol.

ICAN2 for Whelen CanTrol The ICAN Plug and Play Level 2 provides a centralized Power Distribution Center with a fully braided harness for the light and siren control wires. All ICAN2 harnesses are braided for a trunk mounted Whelen CanTrol light and siren controller. The construction of the ICAN harnesses are unique to the capabilities of the Whelen CanTrol. The ICAN2 harness includes 12 primary fused outputs.

Battery Location: MNSTAR Harnesses support Front, Rear, Mid-Ship and Dual Battery configurations.

MNSTAR's products are designed to be flexible, and this begins with the battery layout. MNSTAR Harnesses can be constructed with the battery cable braided in the main harness, or a separate stand-alone main battery cable can be provided. Consult the vehicle layout illustration to determine the available battery and ground point configurations for each harness.

BH & IFL1 Harnesses: Light and Siren Control Wires for Trucks, Sedans and SUV's

* MNSTAR Recommends a Power Prep Harness or Power Options with all BH & Level 1 Harnesses.

Part number	Description	List Price
BH01	Base Lighting Harness, Front: Corner Lights, Grille Lights, and Siren Speaker - No	\$ 168.00
BHPT	Base Lighting Harness, Pick-Up Truck: Front Corner Lights, Grille Lights, Aux Trips, and Beacon Light	\$ 247.00
IFL1	Installer Front Battery, Level 1, Base Harness	\$ 488.00

Adaptable Design Array: The following options may be added to the BH01, BHPT and IFL1 Harnesses.

A	Option A: Vehicle Sense, Right Spot Light, & Rebroadcast	\$ 49.00
S	Sync Option, Provides Common Sync Wire at Each Lighthouse	\$ 58.50
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$ 23.30
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$ 33.70
J	Option J: Dual Color Front Aux. Lights: Trigger Wire for 2nd Color on Front Corner Aux. Lights	\$ 24.10
F	Front Flasher: Front Flash Power, Trigger, & Ground.	\$ 59.20
N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.	\$ 48.90
E	Warning Lights at European/Front Marker Light Locations, Driver & Passenger	\$ 47.50
M	Side Mirror Warning Lights, Driver & Passenger side	\$ 44.60
K	Side Mirror Trigger 2 and 3, Requires Option M.	\$ 31.90
B	Mid-Ship Lights at the B or C Pillar, Driver & Passenger side	\$ 50.40
O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.	\$ 52.00
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light	\$ 152.70
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60

Accessory Harnesses: These products offer additional installation support to augment Level 1 products.

00-AH01	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights	\$ 102.00
00-AH02	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights with Work Light 1 Near Cab	\$ 134.10
00-AH03	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights With Work Light 2 at Rear of Body	\$ 141.00
00-AH04	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights with Work Light 1 Near Cab & Work Light 2 at Rear of Body	\$ 179.00
00-AH05	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights	\$ 159.50
00-AH06	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 1 Near Cab	\$ 202.80
00-AH07	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 2 at Rear of Body	\$ 209.80
00-AH08	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 1 Near Cab & Work Light 2 at Rear of Body	\$ 255.90
00-BH02	Base Lighting Harness, Rear: Deck and Rear Warning Light - No Spares	\$ 158.00
00-AH10	Accessory Harness, Rear Warning Lights for Sedans and SUV's	\$ 174.40
00-AH12	Accessory Harness, Rear Warning "Citadel" Lighting Harness	\$ 118.30
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, & 2 Warning Lights- Length to Console	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2 Warning Lights & 2 Radio Speaker Pairs- Length to Console	\$ 181.80
00-AH24	Accessory Harness, Lift Gate & Rear Corners: 2 Two Color-Warning, 1 Rd/Wh Interior, 2 Warning, & 2 Rear Corner - Length to Rear Seat	\$ 137.00

Auxiliary Power Harnesses: Stand Alone Power and Ground Cables for Radios, Timers, and Sirens

Direct to battery power and ground circuits reduce voltage drop and RFI interference for critical communication equipment. The Braided pairs may be augmented by options G, H, T, P, U, W, X, Y, or Z, to additional ordered pairs to each braided harness.

Front Battery Power Harnesses:

Part number	Description	List Price
I-RFC	Installer Radio Prep Power, Front Battery to Console, 20 Amp, 10 Gauge, Braided	\$ 87.20
I-RFT	Installer Radio Prep Power, Front Battery to Rear of Vehicle, 20 Amp, 10 Gauge,	\$ 109.20
00-MT28 Power	Braided Power Cable for MT28 Timer from Front Battery to Radio Tray with	\$ 221.00

Front Battery Power Options:

T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to	\$ 132.30
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits	\$ 173.00
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$ 152.70
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10	\$ 96.60

Rear Battery Power Harnesses:

I-RRC	Installer Radio Prep Power, Rear Battery to Console, 20 Amp, 10 Gauge, Braided	\$ 106.30
I-RRT	Installer Radio Prep Power, Rear Battery to Trunk Tray, 20 Amp, 10 Gauge,	\$ 91.00

Rear Battery Power Options:

T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use	\$ 132.30
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$ 152.70
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60

Popular Accessories with Auxiliary Power Options

PK41VM	Kit: DR41-VM Timer, Voltage Sensing, 25 Amp Load, & 00-1705 Pigtail	\$ 214.20
MT28	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 10.5 to 16.5 VDC Cut-Off	\$ 340.00
MT28-F	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 11.75 to 18.00 VDC Cut-Off with Infinite Mode	\$ 340.00
PD-B6	Protector Fuse Panel, 100 Amp, 6 Outputs, Screw Term.	\$ 80.00
PD-B11	Protector Fuse Panel, 11 Outputs Split: 6 (100 Amp), 5 (40 Amp)	\$ 95.00
PD-B12	Protector Fuse Panel, 100 Amp, 12 Outputs, Screw Term.	\$ 95.00
PD-B6I6	Protector Fuse Panel, Dual 100 Amp Inputs, 12 Outputs (6+6), Screw Term with Ground Buss	\$ 110.00

T1 Integrator Harnesses: Light and Siren Control Wires for Trucks, Sedans and SUV's

* MNSTAR Recommends the Use of a Power Prep Harness with all Level 1 Harnesses.

Part number	Description	List Price
T1FS	Integrator Level 1, Common Ground to Front (1/4"), Swing Arm	\$ 542.00
T1RS	Integrator Level 1, Common Ground to Rear (3/8"), Swing Arm	\$ 502.00

All T1 Harnesses are fully braided with a common ground to the battery and the light and siren control wires braided in the Swing Arm format. If main power distribution is desired consider the T2 Harnesses.

Adaptable Design Array: The following options may be added to the T1FS and T1RS Harnesses.

A	Option A: Vehicle Sense, Right Spot Light, & Rebroadcast	\$ 49.00
S	Sync Option, Provides Common Sync Wire at Each Lighthouse	\$ 58.50
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$ 23.30
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$ 33.70
J	Option J: Dual Color Front Aux. Lights: Trigger Wire for 2nd Color on Front Corner Aux. Lights	\$ 24.10
F	Front Flasher: Front Flash Power, Trigger, & Ground.	\$ 59.20
N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.	\$ 48.90
E	Warning Lights at European/Front Marker Light Locations, Driver & Passenger	\$ 47.50
M	Side Mirror Warning Lights, Driver & Passenger side	\$ 44.60
K	Side Mirror Trigger 2 and 3, Requires Option M.	\$ 31.90
B	Mid-Ship Lights at the B or C Pillar, Driver & Passenger side	\$ 50.40
O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.	\$ 52.00
V	SUV Rear Warning Lights, Routed to Driver & Passenger Rear Corners	\$ 38.50
R	Rear Warning Lights: 3 Triggers, Grounds and Sync.	\$ 69.00
I	Gun Lock Circuit: Power and Ground for Gun Lock from Controller to B-Pillar	\$ 15.60
G	Red Power Prep: 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with	\$ 132.30
H	Orange Power Prep: 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use	\$ 132.30
T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use	\$ 132.30
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$ 152.70
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 98.70

Accessory Harnesses: These products offer additional installation support to augment T1 products.

00-AH12	Accessory Harness, Rear Warning "Citadel" Lighting Harness	\$ 118.30
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2	\$ 181.80
00-AH24	Accessory Harness, Lift Gate & Rear Corners: 2 Two Color-Warning, 1 Rd/Wh	\$ 137.00

Consider the Auxiliary Power Harnesses and Accessories to augment the T1FS and T1RS

T2 Integrator Harnesses: Full Feature Harness with Power, Grounds and Control Wires.

* MNSTAR Recommends the Use of a Power Prep Harness with all Level 1 Harnesses.

The T2 Series of Harnesses are available with Front, Rear or No Battery Cable and with the light and siren control wires routed to the console, trunk or in a Swing Arm format.

Part number	Description	List Price
T20C	Integrator Level 2, Rear Battery, Console Switch	\$ 1,217.00
T20S	Integrator Level 2, No Battery Cable, Swing Arm	\$ 1,217.00
T20T	Integrator Level 2, No Battery Cable, Trunk Switch	\$ 1,217.00
T2FC	Integrator Level 2, Front Battery, Console Switch	\$ 1,454.00
T2FS	Integrator Level 2, Front Battery, Swing Arm	\$ 1,454.00
T2FT	Integrator Level 2, Front Battery, Trunk Switch	\$ 1,454.00
T2RC	Integrator Level 2, Rear Battery, Console Switch	\$ 1,381.00
T2RS	Integrator Level 2, Rear Battery, Swing Arm	\$ 1,381.00
T2RT	Integrator Level 2, Rear Battery, Trunk Switch	\$ 1,381.00
T2FDV	Integrator 2.0, Front Battery, Detective Vehicle, with Sync	\$ 1,308.00
T2RDV	Integrator 2.0, Rear Battery, Detective Vehicle, with Sync	\$ 1,224.00

T2 Harnesses are available with or without the main battery cables. If a mid-ship, or dual battery layout is desired please utilize the "0" No Battery Cable harness and add a stand alone battery cable. This approach is also recommended for Front Battery Installations that are routed through the fender. The Front Battery layout includes a main power feed that is included in the main braid, and therefore; should be routed through the firewall.

T2 SERIES - Battery Cables

Part number	Description	List Price
TF2-BC	Integrator Front Battery Cable, 6 Gauge, 212", Braided for T2 Series Harnesses	\$ 381.00
TM2-BC	Integrator Mid-Ship Battery Cable, 6 Gauge, 89", Braided for T2 Series Harnesses	\$ 264.00
TR2-BC	Integrator Rear Battery Cable, 6 Gauge, 66", Braided for T2 Series Harnesses	\$ 236.00

T2 SERIES - Battery Cables Options

U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 98.70

The T2 Series Battery Cables and Options can be used with T2, P2, & ICANF2 Main Harnesses.

Accessory Harnesses: These products offer additional installation support to augment T2 products.

00-AH12	Accessory Harness, Rear Warning "Citadel" Lighting Harness	\$ 118.30
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, & 2 Warning Lights- Length to Console	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2 Warning Lights & 2 Radio Speaker Pairs- Length to Console	\$ 181.80
00-AH24	Accessory Harness, Lift Gate & Rear Corners: 2 Two Color-Warning, 1 Rd/Wh Interior, 2 Warning, & 2 Rear Corner - Length to Rear Seat	\$ 137.00

T2 Options

Adaptable Design Array: The following options may be added to the T2 Harnesses.

A	Option A: Vehicle Sense, Right Spot Light, & Rebroadcast	\$ 49.00
S	Sync Option, Provides Common Sync Wire at Each Lighthouse	\$ 58.50
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$ 23.30
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$ 33.70
J	Option J: Dual Color Front Aux. Lights: Trigger Wire for 2nd Color on Front Corner Aux. Lights	\$ 24.10
F	Front Flasher: Front Flash Power, Trigger, & Ground.	\$ 59.20
N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.	\$ 48.90
E	Warning Lights at European/Front Marker Light Locations, Driver & Passenger	\$ 47.50
M	Side Mirror Warning Lights, Driver & Passenger side	\$ 44.60
K	Side Mirror Trigger 2 and 3, Requires Option M.	\$ 31.90
B	Mid-Ship Lights at the B or C Pillar, Driver & Passenger side	\$ 50.40
O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.	\$ 52.00
V	SUV Rear Warning Lights, Routed to Driver & Passenger Rear Corners	\$ 38.50
R	Rear Warning Lights: 3 Triggers, Grounds and Sync.	\$ 69.00
I	Gun Lock Circuit: Power and Ground for Gun Lock from Controller to B-Pillar Breakout	\$ 15.60
G	Red Power Prep: 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
H	Orange Power Prep: 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with MT28 Timer.	\$ 132.30
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$ 152.70
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 98.70

Understanding Main Harness Part Numbers:

The Main Harness configuration appears before the dash and the options appear after the dash.

- The First Positions are the Series: BH, I, T, P, ICAN
- The Second Position "Level" within the Series: 1 for Level 1 and 2 for Level 2. Level 2 includes a main fuse panel.
- The Third Position is the Battery or Ground Location: F for Front, R for Rear, 0 for No Battery Cable.
- The Fourth Position is the format of the light and siren control wires: C - Console, T - Trunk, & S - Swing Arm.
- The Selected will appear after the dash in the order shown above.
- Radio Option: More than one radio option can be selected including XXYY or YYYY configurations.
- The Radio Options need to match the battery:
 - Front Battery Harnesses may not include the W or Z Options.
 - Rear Battery Harnesses may not include the P, U, X or Y Options

P1 Plug & Play Harnesses: Light and Siren Control Wires for Trucks, Sedans and SUV's

* MNSTAR Recommends the Use of a Power Prep Harness with all Level 1 Harnesses.

All P1 Harnesses are fully braided with a common ground to the battery and the light and siren control wires braided in the Trunk Switching Format. If main power distribution is desired consider the P2 Harnesses.

Part number	Description	List Price
P1F-00	Plug and Play Series, Level 1, Common Ground to Front (1/4"), Interface Harness Sold Separately	\$ 554.00
P1R-00	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), Interface Harness Sold Separately	\$ 515.00
P1F-CB	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Whelen CenCom Carbide	\$ 717.00
P1R-CB	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Whelen CenCom Carbide	\$ 676.00
P1F-CCS	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Whelen CenCom Sapphire	\$ 718.00
P1R-CCS	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Whelen CenCom Sapphire	\$ 677.00
P1F-Z3	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Code 3 Z3 Siren	\$ 700.00
P1R-Z3	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Code 3 Z3 Siren	\$ 660.00

P2 Plug & Play Harnesses: Full Feature Harness with Power, Ground and Control Wires.

All P2 Harnesses are fully braided with the light and siren control wires braided in the Trunk Switching Format. The Battery Cables may be braided in with the main harness or sold separately.

Part number	Description	List Price
P2F-00	Plug and Play Series, Level 2, Front Battery, Interface Harness Sold Separately	\$ 1,470.00
P20-CB	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Whelen CenCom Carbide	\$ 1,330.00
P2F-CB	Plug and Play Series, Level 2, Front Battery, for Whelen CenCom Carbide	\$ 1,632.00
P2R-CB	Plug and Play Series, Level 2, Rear Battery, for Whelen CenCom Carbide	\$ 1,571.00
P20-CCS	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Whelen CenCom Sapphire	\$ 1,331.00
P2F-CCS	Plug and Play Series, Level 2, Front Battery, for Whelen CenCom Sapphire	\$ 1,633.00
P2R-CCS	Plug and Play Series, Level 2, Rear Battery, for Whelen CenCom Sapphire	\$ 1,572.00
P20-Z3	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Code 3 Z3 Siren	\$ 1,315.00
P2F-Z3	Plug and Play Series, Level 2, Front Battery, for Code 3 Z3 Siren	\$ 1,616.00
P2R-Z3	Plug and Play Series, Level 2, Rear Battery, for Code 3 Z3 Siren	\$ 1,555.00

Accessory Harnesses: These products offer additional installation support to augment P1 & P2 products.

00-AH12	Accessory Harness, Rear Warning "Citadel" Lighting Harness	\$ 118.30
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, & 2 Warning Lights- Length to Console	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2 Warning Lights & 2 Radio Speaker Pairs- Length to Console	\$ 181.80
00-AH24	Accessory Harness, Lift Gate & Rear Corners: 2 Two Color-Warning, 1 Rd/Wh Interior, 2 Warning, & 2 Rear Corner - Length to Rear Seat	\$ 137.00

Consider the Auxiliary Power Harnesses and Accessories to augment the P1 & P2 Harnesses.

Interface Harnesses: These are intended only for use with the Plug & Play Series of harnesses.

10-PNP-CB	Interface Harness for Plug and Play Series, Whelen CenCom Carbide	\$	162.00
10-PNP-CCS	Interface Harness for Plug and Play Series, Whelen CenCom Sapphire	\$	161.00
10-PNP-Z3	Interface Harness for Plug and Play Series, Code 3 Z3 Siren	\$	146.00

Looking for a different Light and Siren Controller?

Custom configurations of the interface harnesses are available in quantities greater than 100 pieces.

P1 & P2 Options

Adaptable Design Array: The following options may be added to the P1 or P2 Harnesses.

A	Option A: Vehicle Sense, Right Spot Light, & Rebroadcast	\$	49.00
S	Sync Option, Provides Common Sync Wire at Each Lighthouse	\$	58.50
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$	23.30
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$	33.70
J	Option J: Dual Color Front Aux. Lights: Trigger Wire for 2nd Color on Front Corner Aux. Lights	\$	24.10
F	Front Flasher: Front Flash Power, Trigger, & Ground.	\$	59.20
N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.	\$	48.90
E	Warning Lights at European/Front Marker Light Locations, Driver & Passenger	\$	47.50
M	Side Mirror Warning Lights, Driver & Passenger side	\$	44.60
K	Side Mirror Trigger 2 and 3, Requires Option M.	\$	31.90
B	Mid-Ship Lights at the B or C Pillar, Driver & Passenger side	\$	50.40
O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.	\$	52.00
V	SUV Rear Warning Lights, Routed to Driver & Passenger Rear Corners	\$	38.50
R	Rear Warning Lights: 3 Triggers, Grounds and Sync.	\$	69.00
I	Gun Lock Circuit: Power and Ground for Gun Lock from Controller to B-Pillar Breakout	\$	15.60
G	Red Power Prep: 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$	132.30
H	Orange Power Prep: 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$	132.30
T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with MT28 Timer.	\$	132.30
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$	152.70
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$	173.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$	88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$	80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$	96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$	98.70

P2 Harnesses are available with or without the main battery cables. If a mid-ship, or dual battery layout is desired please utilize the "0" No Battery Cable harness and add a stand alone battery cable. This approach is also recommended for Front Battery Installations that are routed through the fender. The Front Battery layout includes a main power feed that is included in the main braid, and therefore; should be routed through the firewall.

ICAN Harnesses: Designed for the Whelen CanTrol Light and Siren Controllers

* MNSTAR Recommends the Use of a Power Prep Harness with all Level 1 Harnesses.

ICAN*1 Harnesses are fully braided with a common ground to the battery and the light and siren control wires braided in the Trunk Switching Format.

ICAN*2 Harnesses are fully braided with the light and siren control wires braided in the Trunk Switching Format. The Battery Cables may be braided in with the main harness or sold separately.

Part number	Description	List Price
ICANF1	Installer CanTrol Front Battery Level 1	\$ 734.00
ICAN02	Integrator Level 2 for Whelen CanTrol, No Battery Cable, Base Harness	\$ 1,372.00
ICANF2	Integrator Level 2 for Whelen CanTrol, Front Battery, Base Harness	\$ 1,644.00
ICANR2	Integrator Level 2 for Whelen CanTrol, Rear Battery, Base Harness	\$ 1,574.20

Accessory Harnesses: These products offer additional installation support to augment ICAN products.

00-AH10	Accessory Harness, Rear Warning Lights for Sedans and SUV's	\$ 174.40
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, & 2 Warning Lights- Length to Console	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2 Warning Lights & 2 Radio Speaker Pairs- Length to Console	\$ 181.80

Consider the Auxiliary Power Harnesses and Accessories to augment the T1FS and T1RS

Adaptable Design Array: The following options may be added to the ICANF1 or ICAN*2 Harnesses.

S	Sync Option, Provides Common Sync Wire at Each Lighthouse	\$ 58.50
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$ 23.30
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$ 33.70
ICAN Q	Option Q, CanTrol: Emitter	\$ 24.40
ICAN E	Option E, CanTrol: Front Marker Lights	\$ 34.20
ICAN C	Option C, CanTrol: Steering Wheel Switches	\$ 39.50
ICAN D	Option D, CanTrol: Dash & Visor Lights	\$ 84.00
ICAN M	Option M, CanTrol: Mirror Lights	\$ 52.40
ICAN B	Option B, CanTrol: Mid-Ship Lights	\$ 34.00
G	Red Power Prep: 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
H	Orange Power Prep: 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with MT28 Timer.	\$ 132.30
ICAN P	Option P, CanTrol: Siren Power, Fused at Front Battery	\$ 152.70
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 98.70

ICAN*2 Harnesses are available with or without the main battery cables. If a mid-ship, or dual battery layout is desired please utilize the "0" No Battery Cable harness and add a stand alone battery cable. This approach is also recommended for Front Battery Installations that are routed through the fender. The Front Battery layout includes a main power feed that is included in the main braid, and therefore; should be routed through the firewall.



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Public Safety and Commercial Harnesses and Accessories

Part number	Description	List Price
2	2nd 100 Watt Siren Speaker, Wire Pair from Siren to Speaker	\$ 23.30
00-0014	Radio Connector Kit 10 Gauge, Male and Female, 2 Position DTP Series	\$ 22.53
00-1016	Dual USB Charger	\$ 70.18
00-1083	Responder Series - C45 Rear Light Pigtail - 4 Lighthouse Breakouts, requires mating Connectors 00-1083	\$ 181.10
00-1084	Responder Series, Front Spares to Front Light Pigtail, Blunt Cut Wires at Lights use with 00-1086 for Connectors	\$ 72.80
00-1085	Connector Kit for 00-1083 Duetsch 3 Position Male, Quantity of 4	\$ 48.80
00-1086	Connector Kit for 00-1084 Qty 2 - 3 Pos Male DT, Qty 2- 3 Pos Female DT	\$ 63.90
00-1169	Foot Switch and Bracket	\$ 49.01
00-1705	Pigtail and Connector for DR38 Series Timers	\$ 40.39
00-1800	Relay Control Harness, 5 Wire, 60"	\$ 68.25
00-AH01	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights	\$ 102.00
00-AH02	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights with Work Light 1 Near Cab	\$ 134.10
00-AH03	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights With Work Light 2 at Rear of Body	\$ 141.00
00-AH04	Accessory Harness, Truck Rear Lights, 2 Rear Warning Lights with Work Light 1 Near Cab & Work Light 2 at Rear of Body	\$ 179.00
00-AH05	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights	\$ 159.50
00-AH06	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 1 Near Cab	\$ 202.80
00-AH07	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 2 at Rear of Body	\$ 209.80
00-AH08	Accessory Harness, Truck Dual Color Side (2) & Rear (2) Lights with Work Light 1 Near Cab & Work Light 2 at Rear of Body	\$ 255.90
00-AH10	Accessory Harness, Rear Warning Lights for Sedans and SUV's	\$ 174.40
00-AH12	Accessory Harness, Rear Warning "Citadel" Lighting Harness	\$ 118.30
00-AH20	Accessory Harness, Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, & 2 Warning Lights- Length to Console	\$ 149.60
00-AH21	Lift Gate Harness, 2 Two Color-Warning Lights, 2 Red/White Interior Lights, 2 Warning Lights & 2 Radio Speaker Pairs- Length to Console	\$ 181.80
00-AH24	Accessory Harness, Lift Gate & Rear Corners: 2 Two Color-Warning, 1 Rd/Wh Interior, 2 Warning, & 2 Rear Corner - Length to Rear Seat	\$ 137.00
00-BH02	Base Lighting Harness, Rear: Deck and Rear Warning Light - No Spares	\$ 158.00
00-MRP-6	MNSTAR Relay Panel, 6 Micro Relays, 14 Ga. 18" Wires, 35A/20A Outputs	\$ 155.00
00-MT28 Power	Braided Power Cable for MT28 Timer from Front Battery to Radio Tray with Ignition Sense. MT28 & MT28-F Sold Separately	\$ 221.00
00-PG16	Power and Ground for PD-B Panels to T2 Studs	\$ 50.37
10-3000	Responder Swing Arm Main Harness Only	\$ 2,114.00
10-3000K	Connector Kit for RHSA Responder Swing Arm	\$ 79.62
10-3001	Responder CanTrol Main Harness Only	\$ 2,291.00
10-3001K	Connector Kit for RHCT Responder CanTrol	\$ 203.44
10-3002	Responder Sapphire Main Harness Only	\$ 1,802.00
10-3002K	Connector Kit for RHCCS Responder Sapphire	\$ 108.71
10-40-0	Grommet, Tapa Fuse, and Timer Gasket Kit	\$ 30.20
10-400K	Connector Kit for MH400 Harley Davidson	\$ 73.00
10-450K	Connector Kit for MH450 Honda	\$ 47.30
10-450K-W	C1-C6 Connector Kit with Wires for MH450 Honda Police Bike	\$ 95.20
10-AH05	Sub-Assembly, Dual Color Rear and Side Warning Lights for Truck Body and Pick Up Truck Applications	\$ 118.00
10-CCK	Connector Kit for CenCom Sapphire	\$ 30.00
10-ICAN K	Connector Kit for Whelen CanTrol	\$ 53.00
10-PF-8	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, Ground Stud	\$ 468.74
10-PNP-CB	Interface Harness for Plug and Play Series, Whelen CenCom Carbide	\$ 162.00
10-PNP-CCS	Interface Harness for Plug and Play Series, Whelen CenCom Sapphire	\$ 161.00

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Part number	Description	List Price
10-PNP-Z3	Interface Harness for Plug and Play Series, Code 3 Z3 Siren	\$ 146.00
10-RHSA	Master Relay Kit for RHSA Responder Swing Arm	\$ 228.19
A	Option A: Vehicle Sense, Right Spot Light, & Rebroadcast	\$ 49.00
B	Mid-Ship Lights at the B or C Pillar, Driver & Passenger side	\$ 50.40
BC-8L	Installer Long Battery Cable, 102", 6 Ga for 10-PF-8	\$ 129.00
BC-8M	Installer Medium Battery Cable, 54", 6 Ga for 10-PF-8	\$ 104.00
BC-8S	Installer Short Battery Cable, 36", 6 Ga for 10-PF-8	\$ 88.00
BC-CC	Battery Cable, RH** Series, Chevy Caprice, 125 Amp, 102", 6 GA	\$ 306.00
BC-CV	Battery Cable, RH** Series, Ford CVPI, 125 Amp, 240", 6 GA	\$ 442.00
BC-DC	Battery Cable, RH** Series, Dodge Charger, 125 Amp, 60", 6 GA	\$ 243.00
BC-DD	Battery Cable, RH** Series, Dodge Durango, 125 Amp, 193", 6 GA	\$ 273.00
BC-DDM	Battery Cable, RH** Series, Dodge Durango -Mid Ship Battery, 125 Amp, 112", 6 Gauge	\$ 345.00
BC-FE	Battery Cable, RH** Series, Ford Expedition, 125 Amp, 216", 6 GA	\$ 425.00
BC-FI	Battery Cable, RH** Series, Ford Interceptor Sedan & Utility, 125 Amp, 267", 6 GA	\$ 449.00
BC-FI 2GA	Battery Cable, RH** Series, Ford Interceptor Sedan and Utility, 125 Amp, 267", 2 GA	\$ 660.00
BC-TS	Battery Cable, RH** Series, Chevy Tahoe or Suburban, 125 Amp, 300", 6 GA	\$ 446.00
BH01	Base Lighting Harness, Front: Corner Lights, Grille Lights, and Siren Speaker - No Spares	\$ 168.00
BHPT	Base Lighting Harness, Pick-Up Truck: Front Corner Lights, Grille Lights, Aux Trips, and Beacon Light	\$ 247.00
CA-Air Horn	Custom Actuator & Switch, (On)-Off, Air Horn	\$ 60.00
CA-Air Horn Manual	Custom Actuator, Siren Air Horn and Manual, (On)-Off-(On)	\$ 60.00
CA-Alley Lights	Custom Actuator & Switch, On-Off-On, Left Alley - Right Alley	\$ 56.00
CA-Dome Light	Custom Actuator, Dome Light On-Off	\$ 43.30
CA-Eco Lock	Custom Actuator & Switch, Eco Lock (On)-Off	\$ 60.00
CA-Exhaust Fan	Custom Actuator, Exhaust Fan On-Off	\$ 43.30
CA-Front Flood	Custom Actuator, Front Flood Light On-Off	\$ 43.30
CA-Front Warning	Custom Actuator, Front Warning Lights On-Off	\$ 43.30
CA-Lower Warning	Custom Actuator, Front Warning Lights On-Off	\$ 43.30
CA-Momentary	Actuator and Switch, No Label, (On)- Off	\$ 60.00
CA-Prisoner LT RW	Custom Actuator, Prisoner Light Red/White, On-Off-On	\$ 56.00
CA-Rear Flood	Custom Actuator, Rear Flood Light On-Off	\$ 43.30
CA-Rear Warning	Custom Actuator, Rear Warning Lights On-Off	\$ 43.30
CA-Scene Lights	Custom Actuator & Switch, On-Off-On, Rear Scene - All Scene	\$ 56.00
CA-Siren/Horn	Custom Actuator & Switch, (On)-Off-(On), Siren - Horn	\$ 60.00
CA-TA LEFT RIGHT	Custom Actuator, Traffic Advisor Left and Right, On-Off-On	\$ 56.00
CA-Upper Warning	Custom Actuator, Rear Warning Lights On-Off	\$ 43.30
CA-Warning Lights	Custom Actuator & Switch, On-Off, Warning Lights	\$ 43.30
CA-Yelp Wail	Custom Actuator, Siren Yelp and Wail, On-Off-On	\$ 56.00
CCS02	Integrator T2 For CenCom Sapphire, No Battery Cable, Swing Arm, Level 2 - Sync, Marker, Mirror, B-Pillar, SUV	\$ 1,395.00
CCSF2	Integrator T2 For CenCom Sapphire, Front Battery, Swing Arm, Level 2 - Sync, Marker, Mirror, B-Pillar, SUV	\$ 1,675.00
CCSR2	Integrator T2 For CenCom Sapphire, Rear Battery, Level 2 - Sync, Marker, Mirror, B-Pillar, SUV	\$ 1,608.00
CH40-0	Power Prep Console Harness, 4 Output, Mounts to 2" Console Face Plate	\$ 279.00
CH40-A	Power Prep Console Harness, 4 Output, With DR38-A Timer, Mounts to 2" Console Face Plate	\$ 448.00
CH40-LVM	Power Prep Console Harness, 4 Output, With DR40-VM Timer, Lind Power Connector, Mounts to 2" Console Face Plate	\$ 608.00
CH40-VM	Power Prep Console Harness, 4 Output, With DR40-VM Timer, Mounts to 2" Console Face Plate	\$ 521.00
CH45-0	Power Prep Console Harness, 11 Output, Mounts to 2" Console Face Plate	\$ 474.00
CH45-A	Power Prep Console Harness, 11 Output, With DR38-A Timer, Mounts to 2" Console Face Plate	\$ 643.00
CH45-VM	Power Prep Console Harness, 11 Output, With DR40-VM Timer, Mounts to 2" Console Face Plate	\$ 714.00
CR1620-200A	Battery Cable, 125 Amp, 4 Gauge Power & Ground, 20 Feet	\$ 518.00
CR1621-125C	Battery Cable, 125 Amp, 4 Gauge Power & Ground, 6 Feet	\$ 397.00
CR1621-200A	Battery Cable, 125 Amp, 4 Gauge Power & Ground, 18 Feet	\$ 468.00
CR1621-240A	Battery Cable, 150 Amp, 2 Gauge Power & Ground, 20 Feet	\$ 601.00

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CR1621-240C	Battery Cable, 150 Amp, 2 Gauge Power & Ground, 6 Feet	\$ 571.00
CR1622-200A	Battery Cable, 125 Amp, 4 Gauge Power & Ground, 15 Feet	\$ 432.00
CR1622-240A	Battery Cable, 150 Amp, 2 Gauge Power & Ground, 18 Feet	\$ 545.00
DR300	Powered USB HUB, 5 Amp Output, 2.4 Amps per Channel Max., 4 USB Outputs, 1 USB Uplink, 1 Ethernet Port.	\$ 673.00
DR33	Delay Shut Down Timer, 3 Circuit, 50 Amp, with Terminals	\$ 244.00
DR38-A	Delay Shut Down Timer, 2 Hour, 25 Amp Load	\$ 137.40
DR40-VM	Delay Shut Down Timer, Programmable, Voltage Sensing, 30 Amp Load, Diagnostic LED Indicators	\$ 193.60
DR41-VM	Delay Shut Down Timer, Programmable, Voltage Sensing, 30 Amp Output, Diagnostic LED Indicators	\$ 193.60
E	Warning Lights at European/Front Marker Light Locations, Driver & Passenger	\$ 47.50
EDH120	Installer Harness, Power Prep, 12 Fused Outputs- Requires Battery Cable	\$ 757.00
EDH120-F	Installer Harness, Power Prep, 12 Fused Outputs, Front Battery	\$ 1,166.00
EDH120-M	Installer Harness, Power Prep, 12 Fused Outputs, Mid-Ship Battery	\$ 1,055.00
EDH120-R	Installer Harness, Power Prep, 12 Fused Outputs, Rear Battery	\$ 1,021.00
EDH35	Power Prep Utility Harness, 4 Circuits to Console	\$ 287.00
EDH40-0	Power Prep Utility Harness, 4 Circuits to Console -Requires Relay or Timer	\$ 340.00
EDH40-A	Power Prep Utility Harness, 4 Circuits to Console with DR38A 2 Hour Timer	\$ 496.00
EDH40-L	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, Requires Relay or Timer	\$ 418.00
EDH40-LA	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, & DR38-A 2-Hour Timer	\$ 555.00
EDH40-LVM	Power Prep Utility Harness, 4 Circuits to Console, with Lind Power Connector, & DR40-VM Voltage Sensing Timer	\$ 617.00
EDH40-PE REV B	Power Prep Harness for Parking Enforcement, Rear Battery and Rear Mounted Controller	\$ 1,008.00
EDH40-VM	Power Prep Utility Harness, 4 Circuits to Console with DR40-VM Voltage Sensing Programmable Timer	\$ 558.00
EDH45	Power Prep Utility Harness, 11 Circuits to Console with Ignition Relay	\$ 629.00
EDH45-A	Power Prep Utility Harness, 11 Circuits to Console with DR38-A Timer	\$ 739.00
EDH45-VM	Power Prep Utility Harness, 11 Circuits to Console with DR40-VM Voltage Sensing Timer	\$ 802.00
EDH50	Power Prep Amber Harness, 6 Output, Console & Under hood	\$ 549.00
EDH55	Power Prep Truck Harness, 6 High Current Circuits to Console with Ignition Relay	\$ 620.00
EDH8R	Power Prep Harness for Whelen PCC8R, Amber Truck Application, 6 Timed Circuits, 2 Battery Hot, and 2 Ign. Hot	\$ 1,056.75
F	Front Flasher: Front Flash Power, Trigger, & Ground.	\$ 59.20
G	Red Power Prep: 14 Ga Red Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
H	Orange Power Prep: 14 Ga Orange Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with PD-B* fuse panels.	\$ 132.30
HS-025	Heat Shrink, 1/4" x 2" Black, 50 Pieces	\$ 27.50
HS-037	Heat Shrink, 3/8" x 2" Black, 50 Pieces	\$ 27.13
HS-050	Heat Shrink, 1/2" x 2" Black, 25 Pieces	\$ 19.41
HS-075	Heat Shrink, 3/4" x 2" Black, 25 Pieces	\$ 26.88
HS-100	Heat Shrink, 1" x 2" Black, 25 Pieces	\$ 19.27
I	Gun Lock Circuit: Power and Ground for Gun Lock from Controller to B-Pillar Breakout	\$ 15.60
ICAN B	Option B, CanTrol: Mid-Ship Lights	\$ 34.00
ICAN C	Option C, CanTrol: Steering Wheel Switches	\$ 39.50
ICAN D	Option D, CanTrol: Dash & Visor Lights	\$ 84.00
ICAN E	Option E, CanTrol: Front Marker Lights	\$ 34.20
ICAN M	Option M, CanTrol: Mirror Lights	\$ 52.40
ICAN P	Option P, CanTrol: Siren Power, Fused at Front Battery	\$ 152.70
ICAN Q	Option Q, CanTrol: Emitter	\$ 24.40
ICAN02	Integrator Level 2 for Whelen CanTrol, No Battery Cable, Base Harness	\$ 1,372.00
ICANF1	Installer CanTrol Front Battery Level 1	\$ 734.00
ICANF1-2LQEMBPY	Installer CanTrol Front Battery Level 1, with 2nd Speaker, Low Frq, Emitter, Marker, Mirror, Mid-Ship, Siren Power, X Radio and Y Radio Power	\$ 1,136.00

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ICANF2	Integrator Level 2 for Whelen CanTrol, Front Battery, Base Harness	\$ 1,644.00
ICANF2-2LQECDMBXYZ	Integrator Level 2 for Whelen CanTrol, Front Battery, with option groups: 2, L, Q, E, C, D, M, B, X, Y, & Z	\$ 2,141.00
ICANR2	Integrator Level 2 for Whelen CanTrol, Rear Battery, Base Harness	\$ 1,574.20
IFL1	Installer Front Battery, Level 1, Base Harness	\$ 488.00
IN-LINE DIODE	Diode 1 Amp, with Mini Fuse Holder	\$ 12.59
I-RFC	Installer Radio Prep Power, Front Battery to Console, 20 Amp, 10 Gauge, Braided	\$ 87.20
I-RFT	Installer Radio Prep Power, Front Battery to Rear of Vehicle, 20 Amp, 10 Gauge, Braided	\$ 109.20
I-RRC	Installer Radio Prep Power, Rear Battery to Console, 20 Amp, 10 Gauge, Braided	\$ 106.30
I-RRT	Installer Radio Prep Power, Rear Battery to Trunk Tray, 20 Amp, 10 Gauge, Braided	\$ 91.00
J	Option J: Dual Color Front Aux. Lights: Trigger Wire for 2nd Color on Front Corner Aux. Lights	\$ 24.10
K	Side Mirror Trigger 2 and 3, Requires Option M.	\$ 31.90
L	Low Frequency Siren, 3 Wires from Siren to Speakers	\$ 33.70
M	Side Mirror Warning Lights, Driver & Passenger side	\$ 44.60
MH450	Honda Police Motorcycle Harness, ST1300P	\$ 452.40
MT28	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 10.5 to 16.5 VDC Cut-Off	\$ 340.00
MT28-F	MT28 Voltage Sensing Timer, Dual Timers, 8 Fused Outputs, 60 Amp Load 11.75 to 18.00 VDC Cut-Off with Infinite Mode	\$ 340.00
N	Fog Lights: Two Triggers, Ground, and Sync to Fog Light/Grill Light Break Outs.	\$ 48.90
O	Running Board Lights Two Triggers, Ground and Sync, Breaks out near C-Pillar.	\$ 52.00
P	Option P, Siren Power, 10 Gauge, (2) 30 Amp Fuses, at front battery to the light and siren controller with matching 10 Gauge grounds.	\$ 152.70
P1F-00	Plug and Play Series, Level 1, Common Ground to Front (1/4"), Interface Harness Sold Separately	\$ 554.00
P1F-CB	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Whelen CenCom Carbide	\$ 717.00
P1F-CCS	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Whelen CenCom Sapphire	\$ 718.00
P1F-Z3	Plug and Play Series, Level 1, Common Ground to Front (1/4"), For Code 3 Z3 Siren	\$ 700.00
P1R-00	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), Interface Harness Sold Separately	\$ 515.00
P1R-CB	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Whelen CenCom Carbide	\$ 676.00
P1R-CCS	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Whelen CenCom Sapphire	\$ 677.00
P1R-Z3	Plug and Play Series, Level 1, Common Ground to Rear (3/8"), For Code 3 Z3 Siren	\$ 660.00
P20-CB	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Whelen CenCom Carbide	\$ 1,330.00
P20-CCS	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Whelen CenCom Sapphire	\$ 1,331.00
P20-Z3	Plug and Play Series, Level 2, Battery Cable Sold Separately, for Code 3 Z3 Siren	\$ 1,315.00
P2F-00	Plug and Play Series, Level 2, Front Battery, Interface Harness Sold Separately	\$ 1,470.00
P2F-CB	Plug and Play Series, Level 2, Front Battery, for Whelen CenCom Carbide	\$ 1,632.00
P2F-CCS	Plug and Play Series, Level 2, Front Battery, for Whelen CenCom Sapphire	\$ 1,633.00
P2F-Z3	Plug and Play Series, Level 2, Front Battery, for Code 3 Z3 Siren	\$ 1,616.00
P2R-CB	Plug and Play Series, Level 2, Rear Battery, for Whelen CenCom Carbide	\$ 1,571.00
P2R-CCS	Plug and Play Series, Level 2, Rear Battery, for Whelen CenCom Sapphire	\$ 1,572.00
P2R-Z3	Plug and Play Series, Level 2, Rear Battery, for Code 3 Z3 Siren	\$ 1,555.00
PD-A1	Protector Maxi Fuse Holder, High Amp, High Quality	\$ 73.40
PD-B11	Protector Fuse Panel, 11 Outputs Split: 6 (100 Amp), 5 (40 Amp)	\$ 95.00
PD-B12	Protector Fuse Panel, 100 Amp, 12 Outputs, Screw Term.	\$ 95.00
PD-B6	Protector Fuse Panel, 100 Amp, 6 Outputs, Screw Term.	\$ 80.00
PD-B6I6	Protector Fuse Panel, Dual 100 Amp Inputs, 12 Outputs (6+6), Screw Term with Ground Buss	\$ 110.00
PF-8L	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 102" Power Feed	\$ 611.00
PF-8M	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 54" Power Feed	\$ 584.00
PF-8S	Installer 2.0, Main Power Fuse Panel, 8 Outputs, CB, 36" Power Feed	\$ 567.00
PK41-T2FI	Kit: DR41-VM Timer, Voltage Sensing, 25 Amp Load, 130/300 Amp Relay, Pre-Wire Pigtail & Bracket For Ford Utility Full Vehicle Timeout	\$ 535.80
PK41VM	Kit: DR41-VM Timer, Voltage Sensing, 25 Amp Load, & 00-1705 Pigtail	\$ 214.20
PK41VMR	Kit: DR41-VM Timer, 00-1705 Pigtail, 130/300 Amp Relay & Wiring, Full Vehicle Timeout	\$ 481.00
PR-D21	Protector PDC, 21 Fuse Outputs, Terminal Strip, Includes DR38-A	\$ 778.60
PRT11-0	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed Requires Relay or Timer, 16" Input, 60" Outputs	\$ 283.10

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PRT11-A	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed with DR38-A Timer, 16" Input, 60" Outputs	\$ 435.90
PRT11-VM	Protector Fuse Panel, 11 Outputs, 3 Battery, 4 Ignition, & 4 Timed with DR40-VM Timer, 16" Input, 60" Outputs	\$ 483.10
PS-G8-A	Protector Fuse Panel, 8 Output with Master Cut-Off	\$ 459.60
R	Rear Warning Lights: 3 Triggers, Grounds and Sync.	\$ 69.00
R91-0002	Removal Tool for DT Connectors	\$ 25.33
R91-0018	Removal Tool for AMP Connectors	\$ 68.10
R91-0019	Removal Tool for WP Connectors	\$ 11.50
R91-0408	Crimp Tool for WP Connectors. 20-12ga Wire	\$ 257.20
R91-0474	Crimp Tool, Ratchet - Packard 10-12ga Wire	\$ 211.33
R91-0533	Crimp Tool for AMP & DT Connectors 22-14ga Wire	\$ 69.36
RHCCS-DCT	Responder Sapphire, Dodge Charger, Full Kit with DR38A Timer & Master Relay	\$ 2,667.00
RHCCS-FIV	Responder Sapphire, Ford Interceptor, Full Kit with DR40-VM Voltage Sensing Timer & Master Relay	\$ 2,921.00
RHCCS-TS	Responder Sapphire, Chevy Tahoe/Suburban, Full Kit	\$ 2,459.00
RHCT-CC	Responder CanTrol, Caprice, Full Kit	\$ 980.00
RHCT-CCT	Responder CanTrol, Caprice, Full Kit with DR38-A Timer & Relay	\$ 3,295.00
RHCT-CCV	Responder CanTrol, Caprice, Full Kit, DR40-VM Voltage Sense	\$ 3,364.00
RHCT-DC	Responder CanTrol, Charger, Full Kit	\$ 2,836.00
RHCT-DCT	Responder CanTrol, Charger, Full Kit with DR38-A Timer & Relay	\$ 3,254.00
RHCT-DCV	Responder CanTrol, Charger, Full Kit, DR40-VM Voltage Sense	\$ 3,324.00
RHCT-DD	Responder CanTrol, Durango, Full Kit	\$ 2,871.00
RHCT-DDT	Responder CanTrol, Durango, Full Kit with DR38-A Timer & Relay	\$ 3,281.00
RHCT-DDV	Responder CanTrol, Durango, Full Kit, DR40-VM Voltage Sense	\$ 3,355.00
RHCT-FE	Responder CanTrol, Ford Expedition, Full Kit	\$ 2,997.00
RHCT-FET	Responder CanTrol, Ford Expedition, Full Kit, DR38-A Timer & Relay	\$ 3,411.00
RHCT-FEV	Responder CanTrol, Ford Expedition, Kit, DR40-VM Voltage Sense	\$ 3,481.00
RHCT-FI	Responder CanTrol, Ford Interceptors, Full Kit	\$ 3,021.00
RHCT-FIT	Responder CanTrol, Ford Interceptors, Full Kit, DR38-A Timer & Relay	\$ 3,439.00
RHCT-FIV	Responder CanTrol, Ford Interceptors, Kit, DR40-VM Voltage Sense	\$ 3,508.00
RHCT-TS	Responder CanTrol, Tahoe/Suburban, Full Kit	\$ 3,018.00
RHCT-TST	Responder CanTrol, Tahoe/Suburban, Full Kit, DR38-A Timer & Relay	\$ 3,436.00
RHCT-TSV	Responder CanTrol, Tahoe/Suburban, Kit, DR40-VM Voltage Sense	\$ 3,505.00
S	Sync Option, Provides Common Sync Wire at Each Lighthead	\$ 58.50
SK-0288-10	Tapa Fuse Kit, Quantity of 10, for use with Ignition Sense Lines	\$ 120.00
SK-1502	200 Amp Master Relay Kit	\$ 175.90
SK-1550	75 Amp Relay with Relay Control Connector	\$ 92.30
T	Green Power Prep: 14 Ga Green Aux. Power Circuits - 4 to the console and 4 to rear with matching grounds to T2 fuse panel ground stud. Recommended for use with MT28 Timer.	\$ 132.30
T1FS	Integrator Level 1, Common Ground to Front (1/4"), Swing Arm	\$ 542.00
T1RS	Integrator Level 1, Common Ground to Rear (3/8"), Swing Arm	\$ 502.00
T20C	Integrator Level 2, Rear Battery, Console Switch	\$ 1,217.00
T20S	Integrator Level 2, No Battery Cable, Swing Arm	\$ 1,217.00
T20T	Integrator Level 2, No Battery Cable, Trunk Switch	\$ 1,217.00
T2FC	Integrator Level 2, Front Battery, Console Switch	\$ 1,454.00
T2FDV	Integrator 2.0, Front Battery, Detective Vehicle, with Sync	\$ 1,308.00
T2FS	Integrator Level 2, Front Battery, Swing Arm	\$ 1,454.00
T2FT	Integrator Level 2, Front Battery, Trunk Switch	\$ 1,454.00
T2RC	Integrator Level 2, Rear Battery, Console Switch	\$ 1,381.00
T2RDV	Integrator 2.0, Rear Battery, Detective Vehicle, with Sync	\$ 1,224.00
T2RS	Integrator Level 2, Rear Battery, Swing Arm	\$ 1,381.00
T2RT	Integrator Level 2, Rear Battery, Trunk Switch	\$ 1,381.00
TF2-BC	Integrator Front Battery Cable, 6 Gauge, 212", Braided for T2 Series Harnesses	\$ 381.00
TFC3	Integrator 2.0, Front Battery, Console Switch, Level 3	\$ 1,863.00
TFS3	Integrator 2.0, Front Battery, Swing Arm, Level 3	\$ 1,863.00

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Part number	Description	List Price
TFT3	Integrator 2.0, Front Battery, Trunk Switch, Level 3	\$ 1,863.00
TH45-0	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with Ignition Relay	\$ 804.00
TH45-A	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with DR38-A Timer	\$ 910.00
TH45-VM	Power Prep Truck Harness, 11 Circuits to Console & Extended Length with DR40-VM Voltage Sensing Timer	\$ 961.00
TH55	Power Prep Truck Harness, 6 High Current Circuits to Console & Extended Length with Ignition Relay	\$ 711.00
TM2-BC	Integrator Mid-Ship Battery Cable, 6 Gauge, 89", Braided for T2 Series Harnesses	\$ 264.00
TR2-BC	Integrator Rear Battery Cable, 6 Gauge, 66", Braided for T2 Series Harnesses	\$ 236.00
TRC3	Integrator 2.0, Rear Battery, Console Switch, Level 3	\$ 1,777.00
TRS3	Integrator 2.0, Rear Battery, Swing Arm, Level 3	\$ 1,777.00
TRT3	Integrator 2.0, Rear Battery, Trunk Switch, Level 3	\$ 1,777.00
U	Option U: Front Battery Timer Power Input - (2) Two 30 Amp 10 Gauge Circuits from the Front Battery to Radio Tray.	\$ 173.00
V	SUV Rear Warning Lights, Routed to Driver & Passenger Rear Corners	\$ 38.50
VI-C12	Vehicle Interface, Universal, for RH** Series	\$ 70.00
VI-DC	Vehicle Interface for Dodge Charger, for RH** Series	\$ 95.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
W	Radio Power, 20 Amp, 10 Gauge, Rear Battery to Trunk Tray - Braided	\$ 88.00
X	X Radio Power Prep: Dedicated radio power, front battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 80.90
Y	Y Radio Power Prep: Dedicated radio power, front battery to rear of vehicle- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 96.60
Z	Z Radio Power Prep: Dedicated radio power, rear battery to the console- 10 Gauge Power and Ground, 20 Amp Mini Fuse in sealed fuse holder.	\$ 98.70
Z3F2	Integrator T2 For Code 3 Z3, Front Battery, Level 2 - Sync, Marker, Mirror, B-Pillar, SUV	\$ 1,649.00
Z3R2	Integrator T2 For Code 3 Z3, Rear Battery, Level 2 - Sync, Marker, Mirror, B-Pillar, SUV	\$ 1,731.00



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CLAIMS:

Claims for damage or loss in transit must be filed by dealer against carrier. Claims for shortages must be filed with All Fleet Solutions within 5 days of receipt of shipment. Approved Merchandise returned for credit will be subject to a re-stocking fee.

RETURNS:

Merchandise returned under warranty shall be subject to factory inspection and repaired, replaced or credited. Warranty return authorization required. Special Order and "SO" designated SO Components, may not be cancelled after order is placed. Merchandise approved for return by All Fleet Solutions will be subject to restocking fees which will exceed 35% percent of purchase price.

All Fleet Solutions reserves the right to discontinue, revise or alter specifications of our products at any time, and/or to adjust the list price at our sole discretion

MNSTAR TRADEMARKS

- "Universal Enforcement Wiring Harnesses"
- "Universal Enforcement Wiring Packages"
- "Universal Enforcer Wiring Packages"
- "Universal Enforcer Wiring Harnesses"
- "Supplier of Specialized Vehicle Products"
- "Universal Fleet Wiring Harnesses"

ALL FLEET SOLUTIONS TRADEMARKS

- "Build Better. Build Faster."
- "Adaptable Design"



MNSTAR Technologies, Inc.
PO Box 806, 4201 Highway 169 East
Grand Rapids, MN 55744
Phone: 218-326-5566
Fax: 218-326-5511

**MNSTAR TECHNOLOGIES INC.
CUSTOMER SATISFACTION LIMITED WARRANTY**

What the Warranty Covers:

MNSTAR Technologies Inc. ("MNSTAR") warrants its products to be free of defects in workmanship and materials for a period of 3 years, except as stated below, from the date on which they were originally purchased (excluding components and options, which carry their own manufacturer's warranty, wherein that warranty will apply). If a MNSTAR product fails to perform as designed within the applicable warranty period, MNSTAR will repair or replace, at MNSTAR's option, the defective product free of charge when determined by MNSTAR that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of the MNSTAR product that has been installed by a MNSTAR dealer, distributor or other certified professional installer.

In no event shall this warranty exceed the original purchase price of the MNSTAR product nor shall MNSTAR be responsible for special, incidental, or consequential damages or cost incurred due to the failure of this product. The Warranty is subject to the additional terms, conditions, and limitations set forth below. Warranty replacement shall not extend the original warranty period of the defective MNSTAR products. **Costs incurred for transporting the vehicle or parts to and from the dealer or professional installer are the responsibility of the owner.** Removal of the MNSTAR Tracking Number Label from a MNSTAR product will void the warranty.

Warranty Terms

No Warranty Coverage:

Fuses and Solenoids

One Year Limited Warranty, from original purchase date:

Relays and Timers

Electronic Control Modules, including SR55, SN150 Sensor Panel, and Circuit Boards

Three Year Limited Warranty, from original purchase date:

Wire Harnesses

Fuse Panels

Power Distribution Centers

ALL WARRANTY CLAIMS MUST BE SUBMITTED IN ACCORDANCE WITH THE FOLLOWING PROCEDURE:

The customer must return any allegedly defective MNSTAR part to the MNSTAR dealer or distributor from whom it was purchased for analysis. The part shall be tagged with the MNSTAR part number, date of purchase, and the alleged cause of failure. The distributor will then forward the part to MNSTAR with a request for credit. If the part is determined to be under the Warranty, MNSTAR will issue credit for the part to the dealer/distributor. The distributor will reimburse or provide like component to the customer. MNSTAR will not issue credit for any parts that are not returned to MNSTAR. Parts not manufactured or distributed by MNSTAR will be held for disposition for 30 days.

Please call 218-326-5566 to discuss any such claim with a MNSTAR representative. In order to process all claims quickly and efficiently the following must be shipped directly to MNSTAR via a traceable and insurable method (i.e. UPS, Federal Express, Registered U.S. Mail, etc.). All shipping costs are the responsibility of the owner.

Provide to MNSTAR Technologies:

The allegedly defective part and any related damaged parts.

A written estimate detailing the following information:

A complete list, including part numbers of all MNSTAR parts required for the warranty repair.

The year, model, and serial number of the warranted vehicle and the tracking number on the MNSTAR product.

The name and address of the distributor from whom the parts were purchased.

The name, address and phone number of the customer.

The original dated work order or receipt detailing the initial installation of the allegedly defective part.

Claims alleging lost shipments will require Proof of Delivery.

Failure to provide required documentation and information may void all or part of the warranty coverage.

Note: Warranty Claims on obsolete parts or components, if the original component is no longer available, MNSTAR reserves the right to replace with like component or the market value of the MNSTAR Product.

Send Claims To:

Attn: Warranty Claims

MNSTAR Technologies Inc.

P.O. Box 806

Grand Rapids, MN 55744

(218) 326-5566

Warranty Claims May Be Submitted via www.MNSTAR.com

The required information to submit a claim may include, but is not limited to:

- Part Number
- Vehicle Vin or Unit Number
- Detailed Description of the Problem.
- Tracking Number - Found on the white tag on the product, and begins with "T".
- Serial Number - Found on the white tag on the product and begins with "S".

Limitations:

THE EXPRESS WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

What the Warranty Does Not Cover

This warranty applies only to the original purchaser of product, or the original end-user and is non-transferable. Under no circumstances shall MNSTAR be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, loss of profits, revenues, savings, inconvenience, associated costs, expense for equipment or service, use of capital, facilities, services, storage charges, damage to property, or any other special, incidental or consequential damages caused by the use or misuse of, or inability to use, the MNSTAR product, regardless of the legal theory on which the claim is based, and even if MNSTAR Technologies Inc. has been advised of such damages. Without limiting the foregoing, the purchaser assumes all risk and liability for loss, damage or injury to persons, animals or property arising out of use or misuse of, or inability to use, the MNSTAR product. MNSTAR Technologies Inc. is not liable for third party claims. In no event shall recovery of any kind against MNSTAR Technologies Inc. be greater in amount than the purchase price of the MNSTAR product sold by MNSTAR Technologies Inc. and causing the alleged damage.

MNSTAR does not warrant against, and the Warranty shall be void with respect to, damages or defects arising out of any of the following:

- Improper or abnormal use or handling of MNSTAR's products;
- Installation or use of a MNSTAR product in a manner that is inconsistent with MNSTAR's application information;
- Defects in products or components not manufactured by MNSTAR;
- Labor or materials not furnished by MNSTAR;
- Outcome or effect of physical or electrical properties of electricity, improper grounding, ignition power or battery power that exceeds rated circuit loads;
- Products transferred from a vehicle on which they were originally installed;
- Products that have been altered or upon which repairs have been affected or attempted by persons other than pursuant to written authorization by MNSTAR;
- Products containing unsealed connectors.

The sole and exclusive obligation of MNSTAR shall be to repair or replace the defective products in the manner set forth above. MNSTAR shall not have any other obligation with respect to the products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Warranty or otherwise, shall MNSTAR be liable for any special, punitive, or consequential damages. MNSTAR's employees or representatives' **oral or written statements do not constitute warranties**, shall not be relied upon by customer, and are not a part of the warranty stated herein. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.