



# AIFS

## ALL FLEET SOLUTIONS

Providing Law Enforcement, Emergency, Utility, Commercial Truck, and Off-Road Vehicle products.



Designing solutions to help you  
**Build Better. Build Faster.**



MNSTAR Technologies Automotive Aftermarket Products is  
now MNSTAR Solutions, an All Fleet Solutions brand.

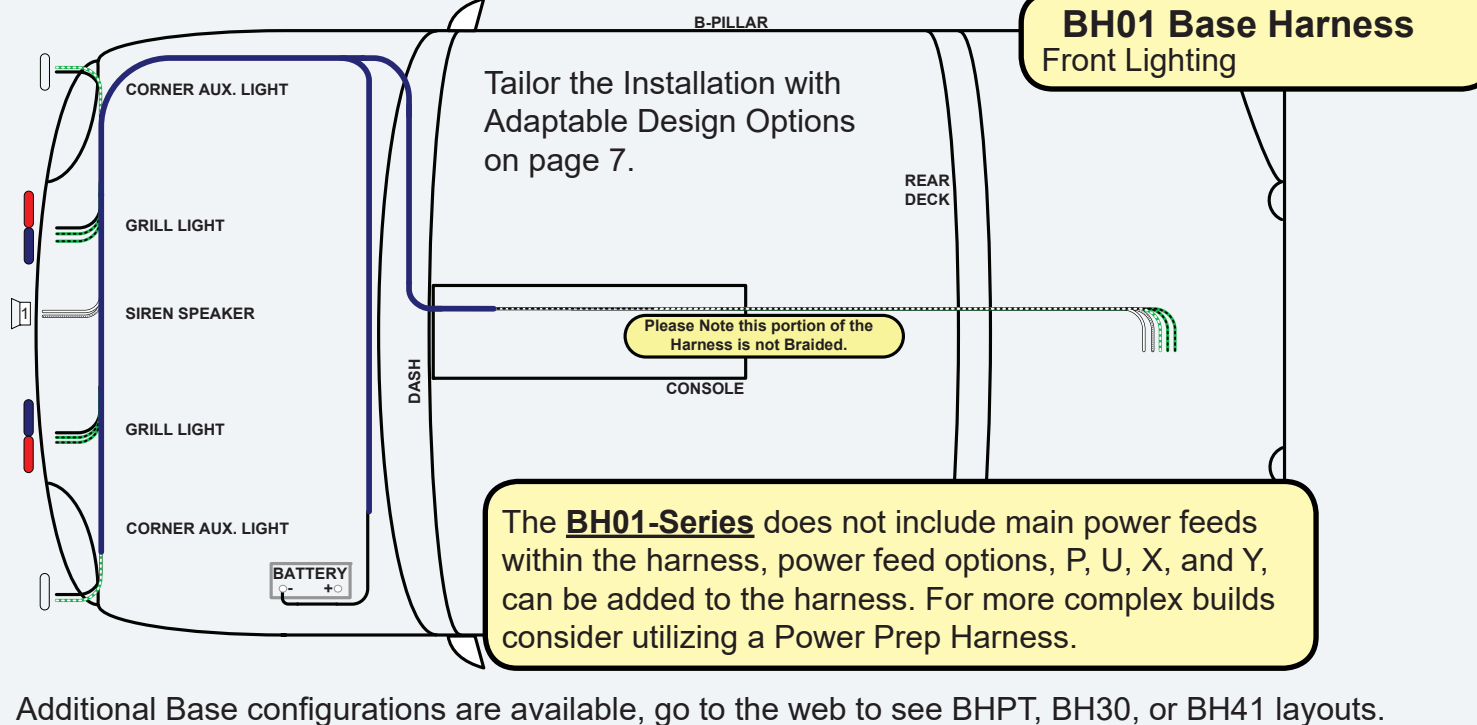
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**ALLFLEETSOLUTIONS.COM**

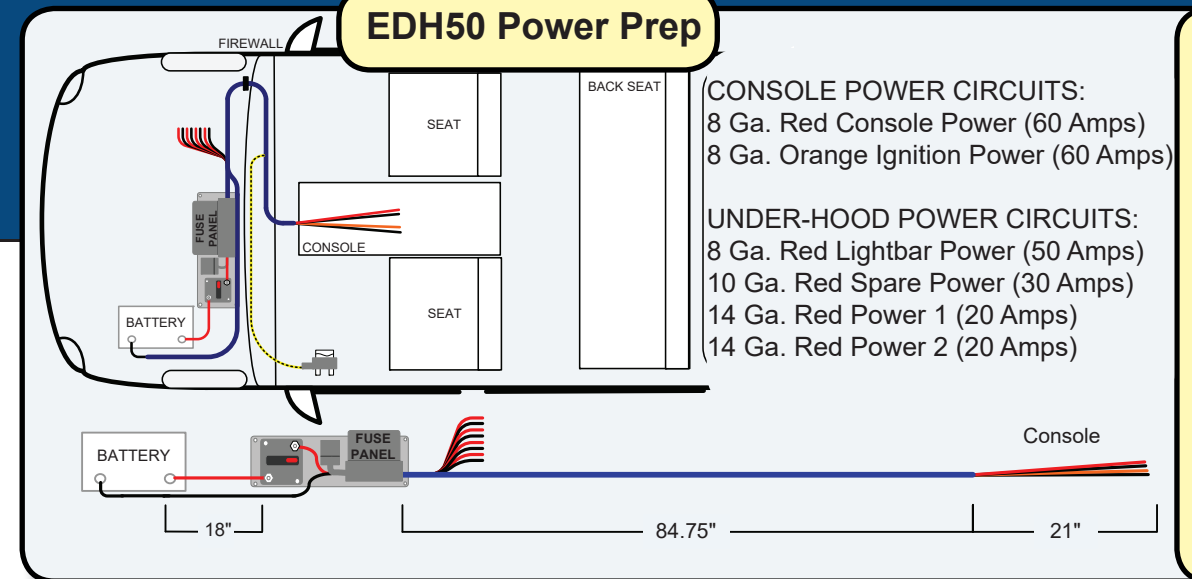
Emergency 17

# Base Harness, Accessory Harness, & Power Prep

## BH01 Base Harness Front Lighting



## EDH50 Power Prep

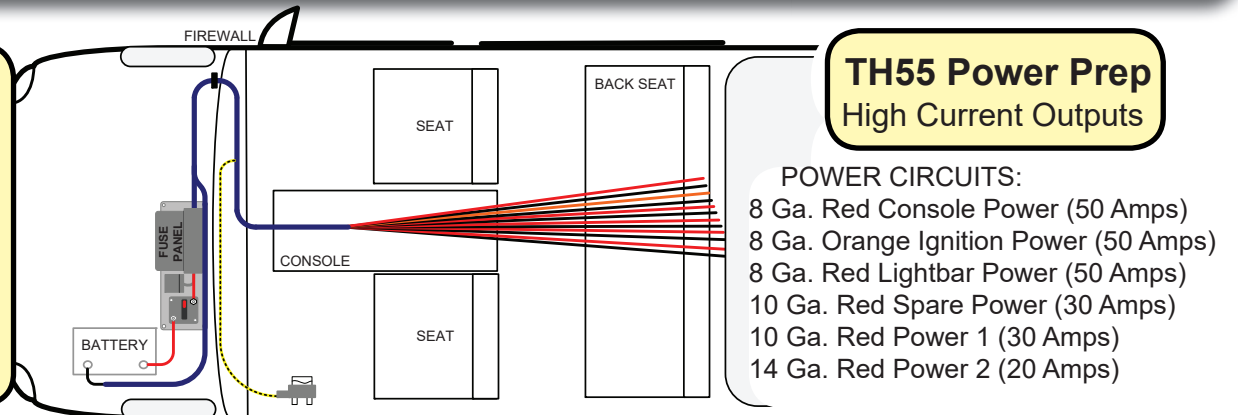


## Power Prep Series

products offer scalable power distribution to support a wide range of installations from IT installations, Work Trucks to Emergency Vehicles. Power Prep Harnesses may include Timed, Battery, and Ignition Hot circuits and always include a battery direct ground for each circuit.

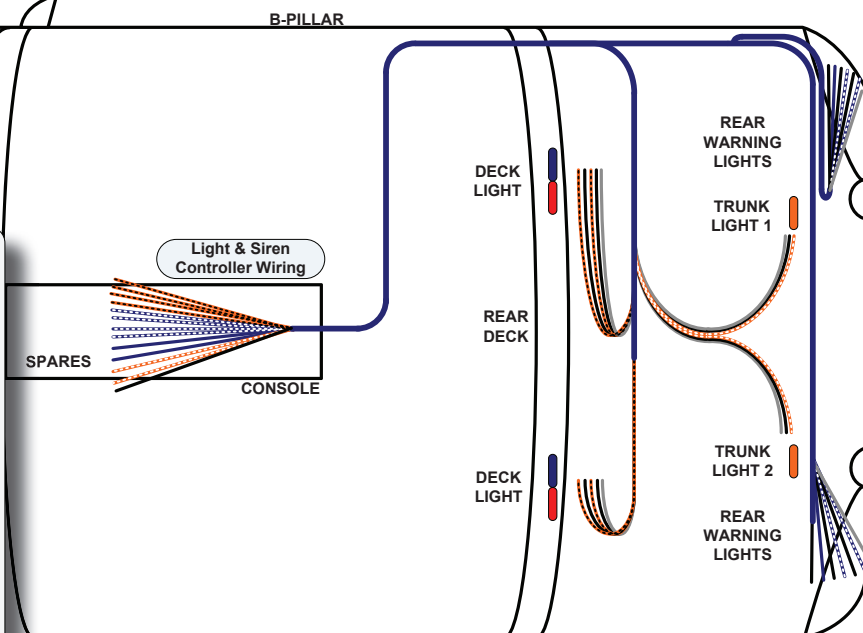
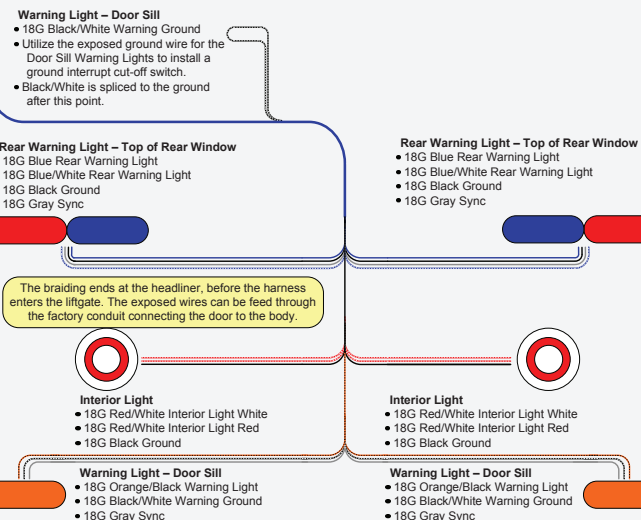
**TH-Series** Products offer a flexible format with braiding that stops at the console and output wires that extend to the rear of the vehicle.

## TH55 Power Prep High Current Outputs



## AH-10 Accessory Rear Warning for Sedans & SUV's

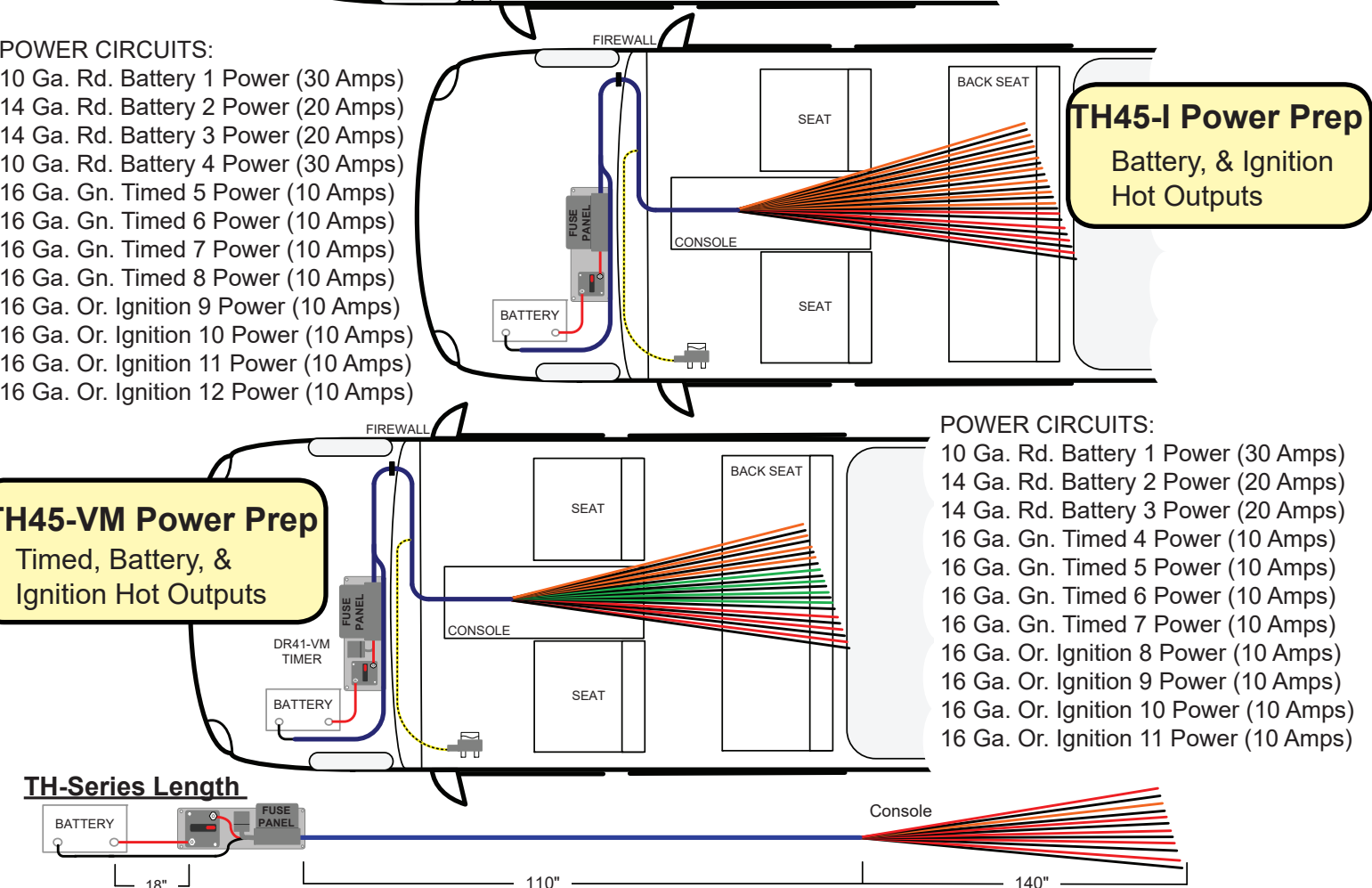
## AH-20 Accessory Liftgate Lighting



**AH Series** Accessory Harnesses support Rear and Side Lighting and are tailored to specific applications. Whether you need to wire a liftgate, work truck, or rear lighting for an SUV the AH-Series offers light and flexible solutions to help you build faster. Head to AllFleetSolutions.com for additional configurations.

**POWER CIRCUITS:**  
10 Ga. Rd. Battery 1 Power (30 Amps)  
14 Ga. Rd. Battery 2 Power (20 Amps)  
14 Ga. Rd. Battery 3 Power (20 Amps)  
10 Ga. Rd. Battery 4 Power (30 Amps)  
16 Ga. Gn. Timed 5 Power (10 Amps)  
16 Ga. Gn. Timed 6 Power (10 Amps)  
16 Ga. Gn. Timed 7 Power (10 Amps)  
16 Ga. Gn. Timed 8 Power (10 Amps)  
16 Ga. Or. Ignition 9 Power (10 Amps)  
16 Ga. Or. Ignition 10 Power (10 Amps)  
16 Ga. Or. Ignition 11 Power (10 Amps)  
16 Ga. Or. Ignition 12 Power (10 Amps)

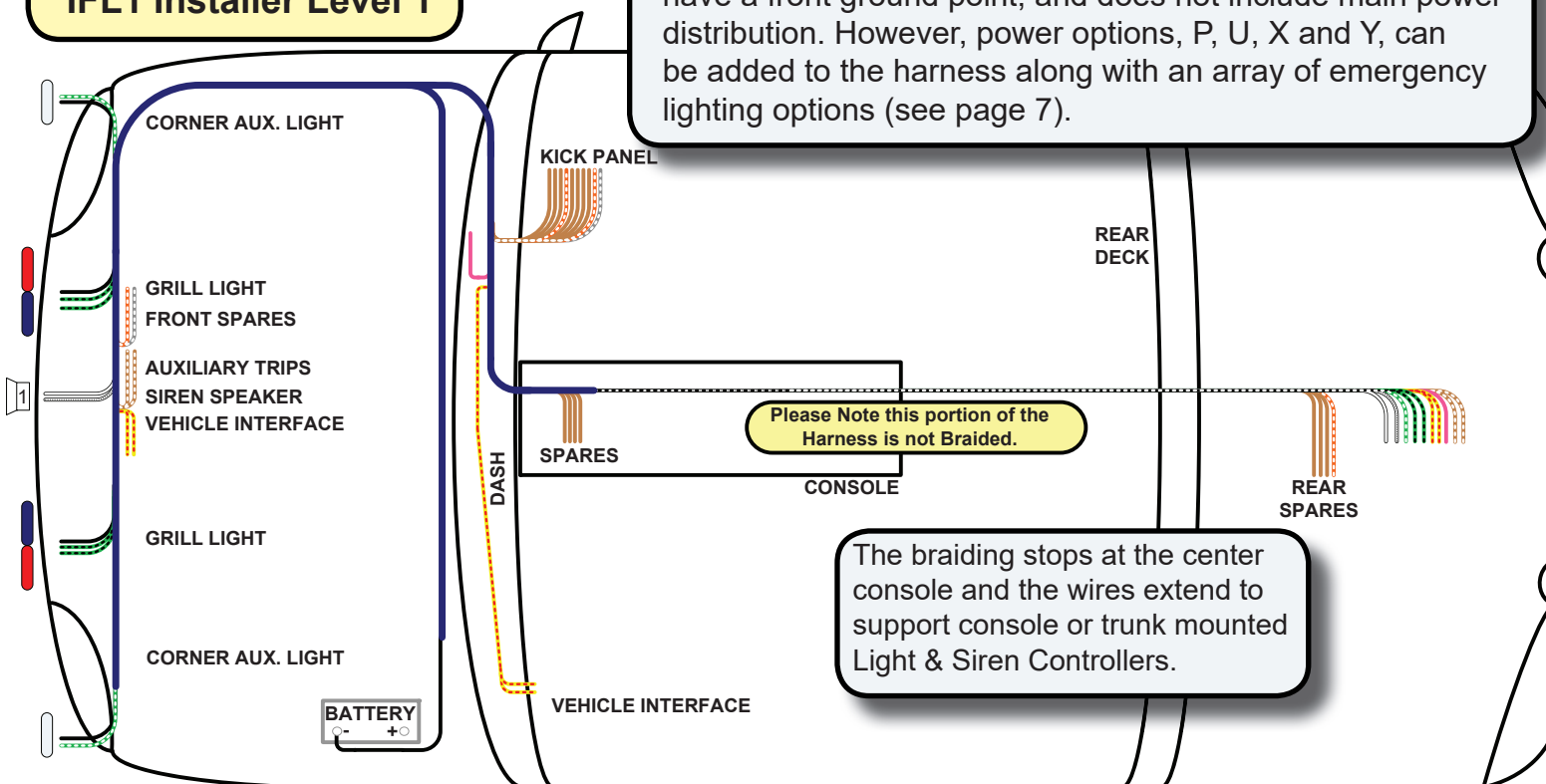
## TH45-VM Power Prep Timed, Battery, & Ignition Hot Outputs





## Level 1 & 2 Harnesses

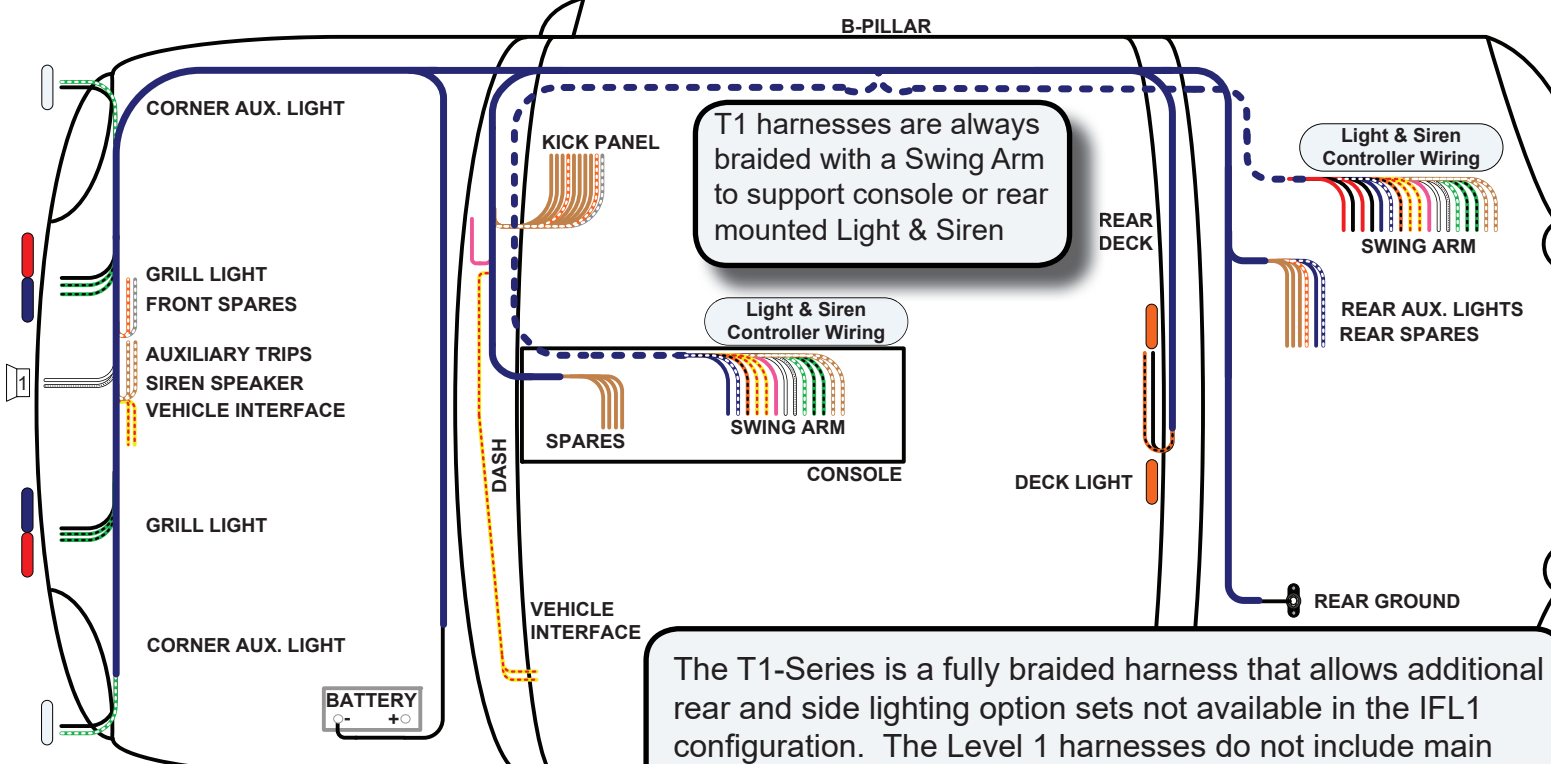
## IFL1 Installer Level 1



The IFL1-Series supports emergency vehicle lighting on the front and sides of the vehicle. The IFL1 will always have a front ground point, and does not include main power distribution. However, power options, P, U, X and Y, can be added to the harness along with an array of emergency lighting options (see page 7).

The braiding stops at the center console and the wires extend to support console or trunk mounted Light & Siren Controllers.

## T1 Integrator Level 1



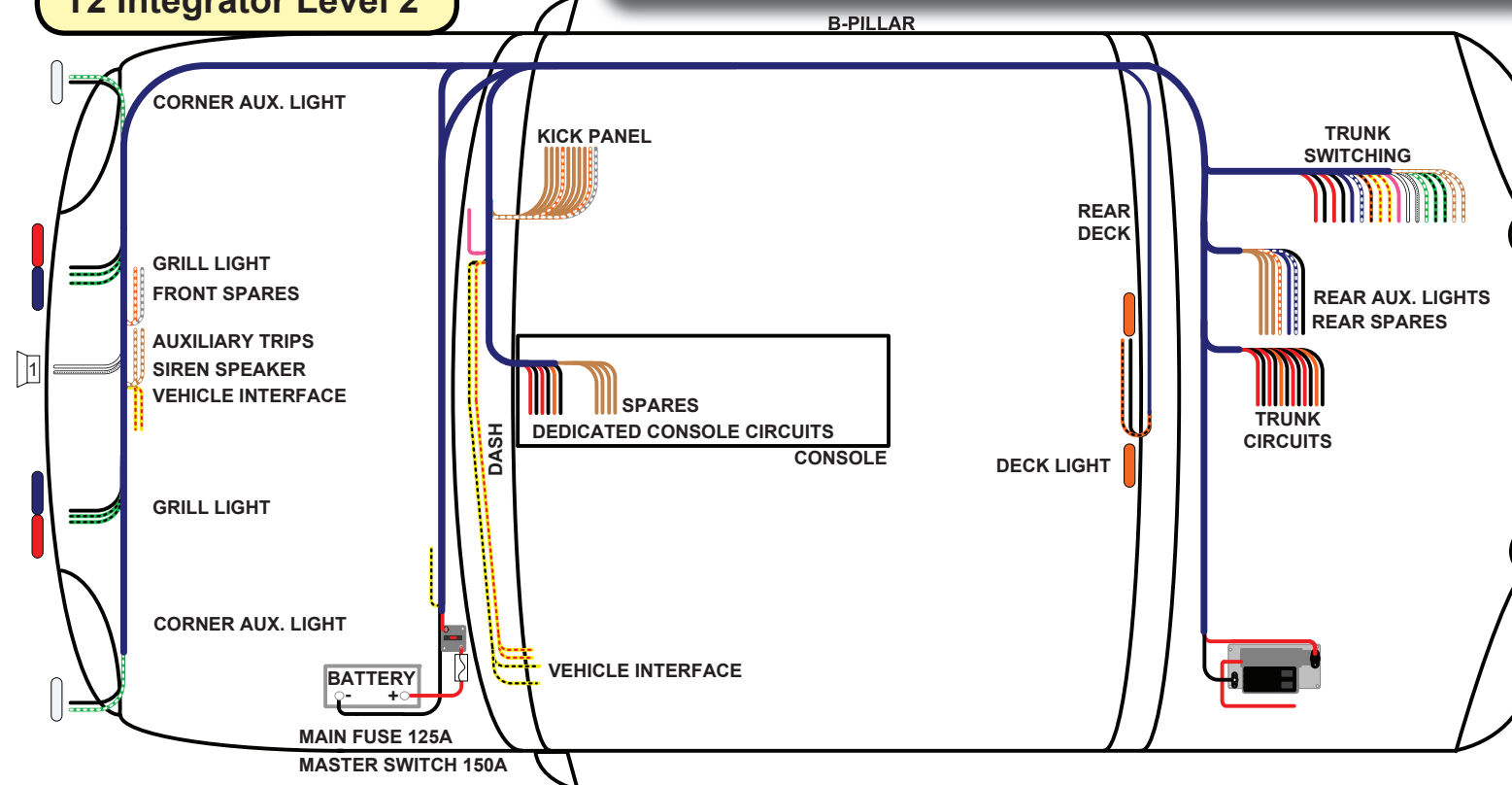
T1 harnesses are always braided with a Swing Arm to support console or rear mounted Light & Siren

The T1-Series is a fully braided harness that allows additional rear and side lighting option sets not available in the IFL1 configuration. The Level 1 harnesses do not include main power distribution; however, both the Power Options (P, U, W, X, Y & Z) and the Output Circuits (G, H, &T) may be added as needed.

# ADAPTABLE DESIGN

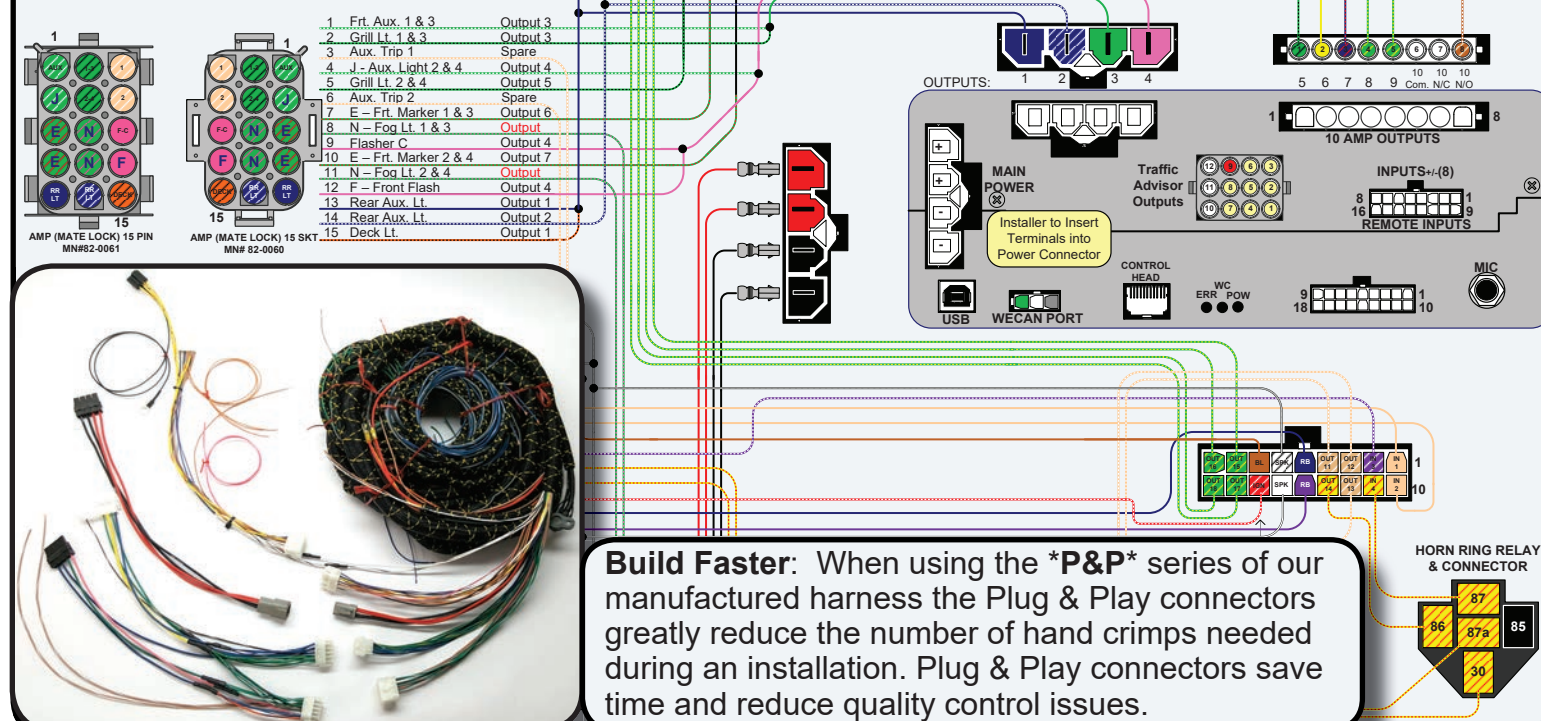
The Level 2 Integrator provides a centralized Power Distribution Center with a fully braided harness for the light and siren control wires. T2 harness can be braided with the control wires routed to either the Center Console, Trunk or braided in the Swing Arm format. The T2 harness includes 12 primary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

## T2 Integrator Level 2



## P1 & P2 Plug & Play Series

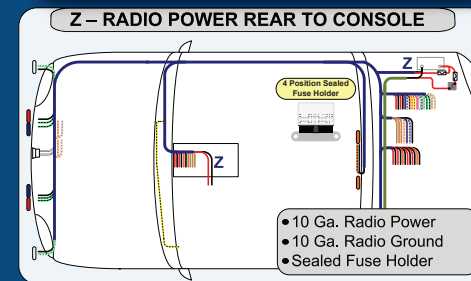
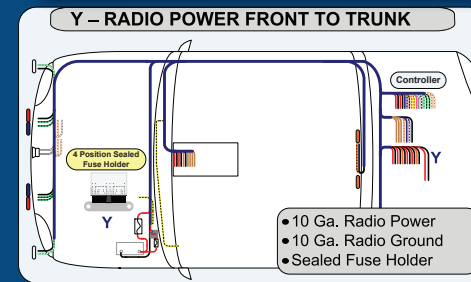
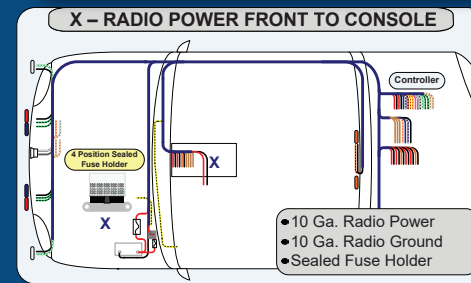
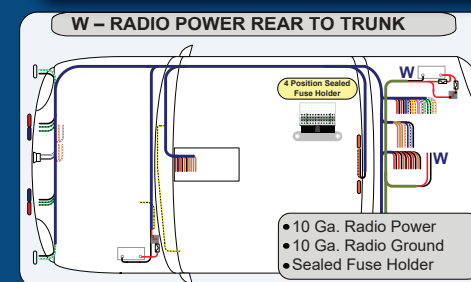
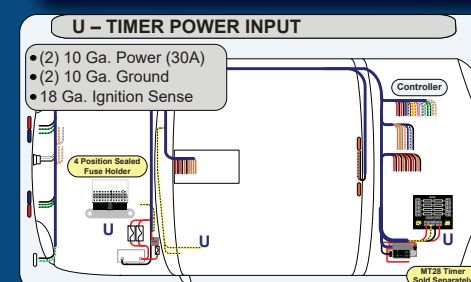
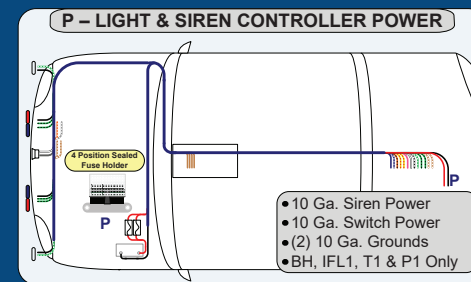
Plug & Play interface for popular  
Light & Siren Controllers



**Build Faster:** When using the \*P&P\* series of our manufactured harness the Plug & Play connectors greatly reduce the number of hand crimps needed during an installation. Plug & Play connectors save time and reduce quality control issues.



## Tailor the Harness to Your Installation.



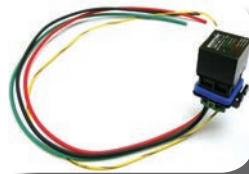
													Vehicle Interface Option:	
A	A	A	A	A	A	A	A	A	A	A	-	-	Vehicle Interface	
Common Sync Wire Option														
S	S	S	S	S	S	S	S	S	S	S	S	S	S	Front Sync
-	-	S	S	S	S	S	-	-	S	S	S	S	S	Rear Sync
Siren Speaker Options														
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2nd Speaker
L	L	L	L	L	L	L	L	L	L	L	L	L	L	Low Freq. Siren Speakers
Lighting Options														
-	-	-	-	-	-	-	-	-	-	-	-	Q	Q	Emitter
J	J	J	J	J	J	J	J	J	J	J	-	-	-	Corner Light Trigger 2
-	-	F	F	F	F	F	F	F	F	F	F	F	F	Front Flasher
N	N	N	N	N	N	N	N	N	N	N	N	N	N	Fog Lights Dual Color
E	E	E	E	E	E	E	E	E	E	E	E	E	E	Front Marker Lights
-	-	-	-	-	-	-	C	C	C	C	C	C	C	Steering Wheel Switches
-	-	-	-	-	-	-	D	D	D	D	D	D	D	Dash Lights
M	M	M	M	M	M	M	M	M	M	M	M	M	M	Side Mirror Lights
K	K	K	K	K	K	K	K	K	K	K	M	M	M	Side Mirror Trigger 2 and 3
B	B	B	B	B	B	B	B	B	B	B	B	B	B	Mid-Ship Lights, Dual Color
-	-	O	O	O	O	O	O	O	O	O	O	O	O	Running Board Lights
-	-	V	V	V	V	V	V	V	V	V	V	V	V	SUV Rear/Side Warning Lights
-	-	R	R	R	R	R	R	R	R	R	R	R	R	Rear Warning Lights (3)
Gun Lock Option:														
-	-	I	I	I	I	I	I	I	I	I	I	I	-	Gun Lock Circuit
Power Output Options:														
-	-	G	G	G	G	G	G	G	G	G	G	G	G	Red Power Prep
-	-	H	H	H	H	H	H	H	H	H	H	H	H	Orange Power Prep
-	-	T	T	T	T	T	T	T	T	T	T	T	T	Green Power Prep
Radio and Power Options:														
P	-	P	-	-	-	-	P	-	-	-	P	-	-	Light & Siren Controller Power
U	U	U	-	U	-	U	U	-	U	-	U	U	U	Timer Power Input
-	-	-	W	-	W	-	-	W	-	W	-	W	W	Rear Radio Power Prep
X	X	X	-	X	-	X	X	-	X	-	X	X	X	Console Radio Power Prep
Y	Y	Y	-	Y	-	Y	Y	-	Y	-	Y	Y	Y	Rear Radio Power Prep
-	-	-	Z	-	Z	-	-	Z	-	Z		Z	Z	Console Radio Power Prep

\*For all current options visit:  
**AllFleetSolutions.com**





DR41-VM features a 30 amp timer in the footprint of an automotive relay.



- \* Allows IT and Communications Equipment to operate for a set interval after the vehicle is turned off.
- \* Protect your equipment by instantaneously disconnecting when over voltage is present.
- \* Disconnects to protect the battery when low voltage occurs for longer then 10 seconds.
- \* Diagnostic LED provides an Over Voltage or Low Voltage indicator for three ignition cycles.
- \* Turning the vehicle's ignition to "On" overrides the Low Voltage cut-off.



MT Timers feature dual timers with distinct timed intervals in one chassis.

Timer	Total Load	Fuse Value	Timed Outputs	Low Voltage Disconnect	Over Voltage Disconnect	Diagnostic LED	Output LED's	Infinite Mode	Timed Intervals
DR41-VM	25	30	1	10.5 VDC	16.5 VDC	Yes			Single
MT28	60	75	8	10.5 VDC	16.5 VDC	Yes	Yes		Dual
MT28-F	60	75	8	11.75 VDC	18 VDC	Yes	Yes	Yes	Dual

**All Fleet Solutions build specifications are intended to provide a clear outline of the standards that define all of our products.**

**Color-Coded and Labeled Wiring** Easy Circuit Identification speeds installation and repair of emergency equipment. AFS provides consistent color codes and wire identifiers across all of our product offerings, which provides our customers uniformity for their entire fleet.

**Detailed Color Schematics** Create a record of installations for fleet-wide consistency reducing vehicle down times.

**Direct to Battery Grounds** Adheres to equipment manufacturer recommendations, reduces RFI and component to component interference.

**Fabricated Wire Harness of High Quality TXL Copper** Exceeds SAE Standard J-1128 This stringent requirement provides for heat and flame resistance in high temperature environments including engine compartments.

**Heat Rated:** Designed for Long Term Durability Emergency and construction vehicles define severe duty and our products are designed to stand up in the most demanding environments. The Wire Harness and Loom are rated at or above 100° C and certain fuses, circuit breakers, and electronic components are rated for 85° C.

**Fire Retardant Protective Loom** Provides uniform high quality appearance and consistency to the final installation. Designed for high heat environments, it offers greater protection to the harness and vehicle than plastic split loom.

**Three-Year Warranty--** See Price List for Terms and Conditions. Quality matters! AFS stands behind our products with a limited three-year warranty to ensure our customer's satisfaction.