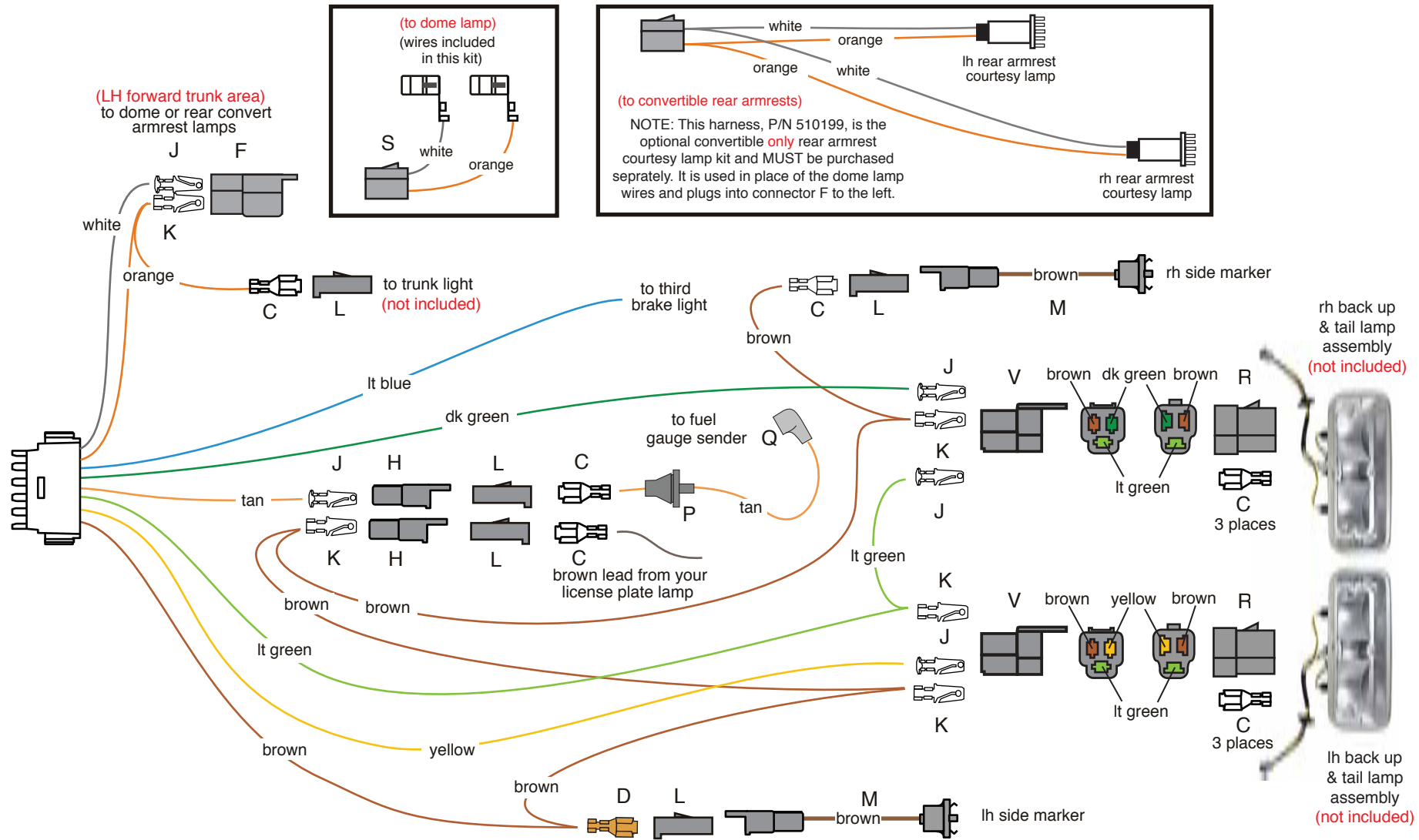


# Classic Update Series



68 Tempest, Le Mans, and GTO Convertible, Coupe, or Sedan



**American Autowire**

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Classic Update Series

68-72 Tempest  
Le Mans, & GTO

bag  
**M**









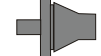




**REAR BODY KIT**

**510545**

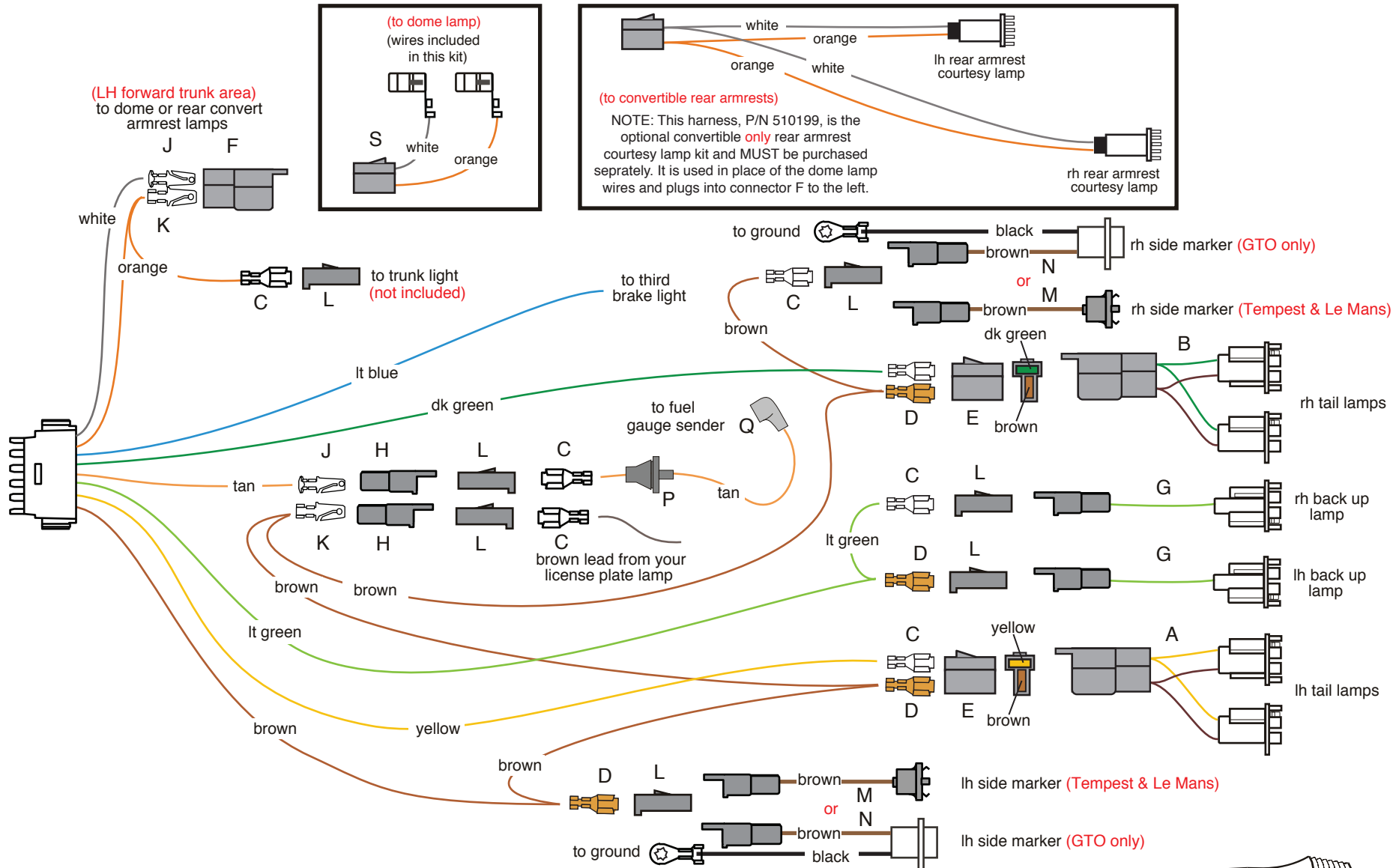
92970646 instruction rev 0.0 1/17/2014

## 1968 GTO, Le Mans, & Tempest Convertible, Coupe, or Sedan models

Connect the main connector to the mating connector on the dash harness 510541 bag G. Route this harness along the doorsill and into the trunk area.

C				
D		LIGHT BLUE	Third brake light	Connect to the third brake lamp, if equipped.
		TAN	Fuel signal	Route this wire to the rear panel of the trunk (near the trunk lock) and trim to length. Install terminal J and plug into connector H as shown on sheet 1.
F		TAN	Fuel Tank lead	Plug the rubber end of wire Q onto the sending unit at the fuel tank. Slide grommet P (the smaller of the two included in the loose piece kit) onto the wire with the narrow end of the cone shaped grommet pointing toward the trunk floor, route the other end of this wire up through the factory hole in the trunk floor and snap the grommet into place in that hole. Route the loose end of this wire over to connector H from above, cut to length, install terminal C and plug into connector L as shown on page 3. Plug the assembled lead into connector H to complete the fuel sender circuit. .
H		BROWN	Rear Running Lights	(You have been provided with new side marker pigtails M that will plug onto your rear lighting connections below).
J		BROWN	Rear Running Lights	Route this wire to the LH side marker lamp, trim to length, double this wire with the cut off portion, install terminal D, plug into connector L, then plug connector L into side marker pigtail M from above as shown on sheet 1. Route the loose end of this brown wire to the LH tail lamp bucket area, cut to length, double this wire with the cut off portion, install terminal K and plug into connector V in the location shown on page 1. Route the loose end of this brown wire to the license lamp area, cut to length, double this wire with the cut off portion, install terminal K and plug into connector H as shown on page 1. Route the loose end of this brown wire to the RH tail lamp bucket area, cut to length, double this wire with the cut off portion, install terminal K and plug into the other connector V in the location shown on page 1. Route the loose end of this brown wire to the RH side marker lamp, cut to length, install terminal C, plug into connector L, then plug connector L into side marker pigtail M from above as shown on sheet 1.
K				
L				
M		YELLOW	LH Stop / Tail	(NOTE: New terminal C and connector L have been provided for your license lamp lead in the event that your original lead needs repair.) Route this yellow wire to the LH tail lamp bucket area, cut to length, install terminal J and plug into connector V in the location shown on page 1.
		DK GREEN	RH Stop / Tail	Route this dk. green wire to the RH tail lamp bucket area, cut to length, install terminal J and plug into the other connector V in the location shown on page 1.
P		LIGHT GREEN	Back up lamp feed	Route this wire to the LH tail lamp bucket area, cut to length, double this wire with the cut off portion, install terminal K, and plug into connector V in the location shown on page 1. Route the loose end of this lt green wire to the RH tail lamp bucket area, cut to length, install terminal J and plug into the other connector V in the location shown on page 1.
Q				(NOTE: Plug your tail lamp bucket assemblies (not included with this kit) into the (2) connectors V from above to complete your stop/turn, tail, and back-up lamp connections. New terminals C and connectors R have been provided for you in the event that your original leads need repair.)
				(NOTE: A completed dome lamp assembly S has been provided for you to use if your car is a coupe or sedan. If you have a convertible, you will need to purchase the "Convertible Rear Armrest Courtesy Lamp Kit", P/N 510199 separately.)
R		WHITE	Courtesy ground	Route this white wire (along with the orange wire below) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, install terminal J, and plug into connector F in the location shown on page 1. Do not plug your dome or Convertible Rear Armrest Courtesy Lamp Kit in yet.
S		ORANGE	Courtesy Lamp Feed	Route this orange wire (along with the white wire above) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, double it with the cut off portion, install terminal K, and plug into the empty cavity of connector F in the location shown on page 3. Route the remaining portion of this orange wire back to the LH trunk hinge area, cut to length, install terminal C and plug into connector L (NOTE: Your trunk lamp assembly [Not included with this kit] will plug onto connector L to complete your trunk lamp connection). Once you have completed connector F, you can plug in your dome or Convertible Rear Armrest Courtesy Lamp Kit to complete those circuits.
V				

# Classic Update Series



69 Tempest, Le Mans,  
and GTO Convertible,  
Coupe, or Sedan



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Classic Update Series bag

**68-72 Tempest  
Le Mans, & GTO**

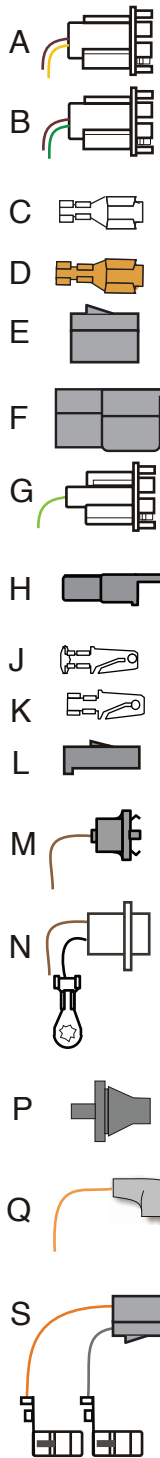
M

REAR BODY KIT

510545

92970646 instruction rev 0.0 1/17/2014

## 1969 GTO, Le Mans, & Tempest Convertible, Coupe, or Sedan models



Connect the main connector to the mating connector on the dash harness 510541 bag G. Route this harness along the doorsill and into the trunk area.

**(NOTE: The 1969 GTO, Le Mans, and Tempest cars used different rear side marker lamp socket configurations. The GTO used a lamp socket that incorporated a separate ground wire (pigtail N), while the Le Mans and Tempest used a self-grounding lamp assembly (pigtail M). Be sure that you choose the proper assembly for your application as both have been provided for you. This kit also provides the terminals D and C, and connectors L that are necessary to make the connection to your rear side marker lamp assemblies.**

LIGHT BLUE

Third brake light

Connect to the third brake lamp, if equipped.

TAN

Fuel signal

Route this wire to the rear panel of the trunk (near the trunk lock) and trim to length. Install terminal J and plug into connector H as shown on sheet 3.

TAN

Fuel Tank lead

Plug the rubber end of wire Q onto the sending unit at the fuel tank. Slide grommet P (the smaller of the two included in the loose piece kit) onto the wire with the narrow end of the cone shaped grommet pointing toward the trunk floor, route the other end of this wire up through the factory hole in the trunk floor and snap the grommet into place in that hole. Route the loose end of this wire over to connector H from above, cut to length, install terminal C and plug into connector L as shown on page 3. Plug the assembled lead into connector H to complete the fuel sender circuit.

**(NOTE: You have been provided with tail lamp pigtailed A (LH) and B (RH) which will plug onto connectors E to complete your stop/turn and tail lamp circuits below.)**

BROWN

Rear Running Lights

(You have been provided with new side marker pigtailed M and N (Le Mans and Tempest vs. GTO) that will plug onto your rear lighting connections below. Be sure that you choose the proper pigtail assembly for your application).

BROWN

Rear Running Lights

Route this wire to the LH side marker lamp, trim to length, double this wire with the cut off portion, install terminal D, plug into connector L, then plug connector L into side marker pigtail M (Le Mans and Tempest) or pigtail N (GTO) from above as shown on sheet 3. Route the loose end of this brown wire to the LH tail lamp area, cut to length, double this wire with the cut off portion, install terminal D and plug into connector E in the location shown on page 3. Route the loose end of this brown wire to the license lamp area, cut to length, double this wire with the cut off portion, install terminal K and plug into connector H as shown on page 3. Route the loose end of this brown wire to the RH tail lamp area, cut to length, double this wire with the cut off portion, install terminal D and plug into the other connector E in the location shown on page 3. Route the loose end of this brown wire to the RH side marker lamp, cut to length, install terminal C, plug into connector L, then plug connector L into side marker pigtail M (Le Mans and Tempest) or pigtail N (GTO) from above as shown on sheet 3.

**(NOTE: New terminal C and connector L have been provided for your license lamp lead in the event that your original lead needs repair.)**

YELLOW

LH Stop / Tail

Route this yellow wire to the LH tail lamp area, cut to length, install terminal C and plug into the empty cavity of connector E in the location shown on page 3. Plug your LH tail lamp pigtail A onto connector E to complete the LH stop/turn and tail lamp circuits.

DK GREEN

RH Stop / Tail

Route this dk. green wire to the RH tail lamp area, cut to length, install terminal C and plug into the empty cavity of the other connector E in the location shown on page 3. Plug your RH tail lamp pigtail B onto connector E to complete the RH stop/turn and tail lamp circuits.

LIGHT GREEN

Back up lamp feed

**(NOTE: You have been provided with back up lamp pigtailed G which will plug onto connectors L to complete your back up lamp circuits below.)**

Route this wire to the LH back up lamp area, cut to length, double this wire with the cut off portion, install terminal D, and plug into connector L as shown on page 3. Route the loose end of this light green wire to the RH back up area, cut to length, install terminal C and plug into connector L as shown on page 3. Plug your back up lamp pigtailed G onto connectors L to complete the LH and RH back up lamp circuits.

BLACK

Ground

**(GTO only)** Route the ring terminal end of the black wires from the side marker assemblies N to the rear panel support (near the trunk lock assembly) and attach them into the sheet metal.

**(NOTE: A completed dome lamp assembly S has been provided for you to use if your car is a coupe or sedan. If you have a convertible, you will need to purchase the "Convertible Rear Armrest Courtesy Lamp Kit", P/N 510199 separately.)**

WHITE

Courtesy ground

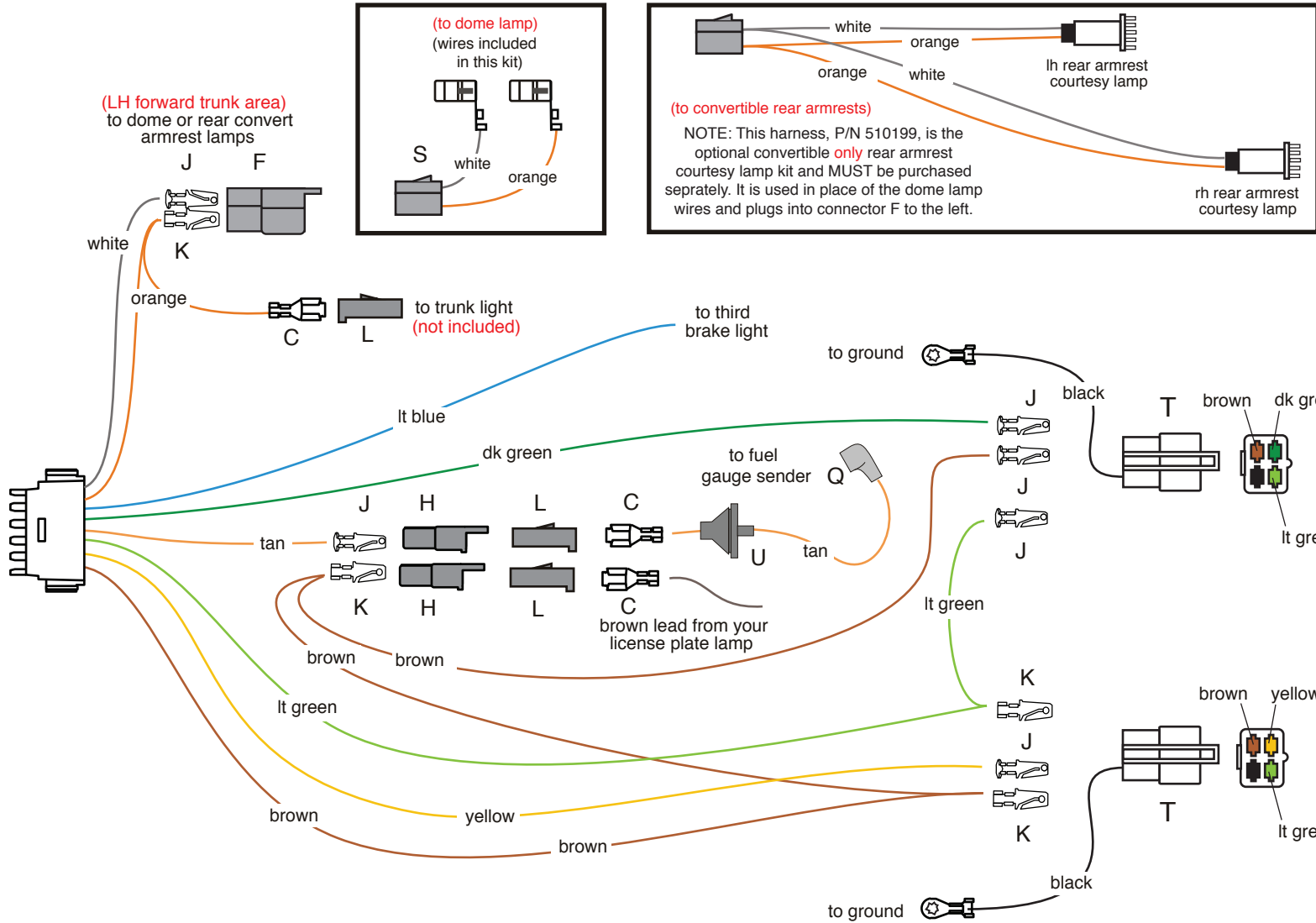
Route this white wire (along with the orange wire below) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, install terminal J, and plug into connector F in the location shown on page 3. Do not plug your dome or Convertible Rear Armrest Courtesy Lamp Kit in yet.

ORANGE

Courtesy Lamp Feed

Route this orange wire (along with the white wire above) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, double it with the cut off portion, install terminal K, and plug into the empty cavity of connector F in the location shown on page 3. Route the remaining portion of this orange wire back to the LH trunk hinge area, cut to length, install terminal C and plug into connector L **(NOTE: Your trunk lamp assembly [Not included with this kit] will plug onto connector L to complete your trunk lamp connection).** Once you have completed connector F, you can plug in your dome or Convertible Rear Armrest Courtesy Lamp Kit to complete those circuits.

# Classic Update Series



70-72 Tempest, Le Mans,  
and GTO Convertible,  
Coupe, or Sedan



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Classic Update Series

68-72 Tempest  
Le Mans, & GTO

bag  
**M**







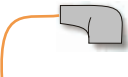

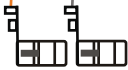
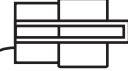

**REAR BODY KIT**

**510545**

92970646 instruction rev 0.0 1/17/2014

## 1970 GTO, Le Mans, & Tempest Convertible, Coupe, or Sedan models

Connect the main connector to the mating connector on the dash harness 510541 bag G. Route this harness along the doorsill and into the trunk area.

C				
F		LIGHT BLUE TAN	Third brake light Fuel signal	Connect to the third brake lamp, if equipped. Route this wire to the rear panel of the trunk (near the trunk lock) and trim to length. Install terminal J and plug into connector H as shown on sheet 5.
H		TAN	Fuel Tank lead	Plug the rubber end of wire Q onto the sending unit at the fuel tank. Slide grommet U (the larger of the two included in the loose piece kit) onto the wire with the narrow end of the cone shaped grommet pointing toward the trunk floor, route the other end of this wire up through the factory hole in the trunk floor and snap the grommet into place in that hole. Route the loose end of this wire over to connector H from above, cut to length, install terminal C and plug into connector L as shown on page 5. Plug the assembled lead into connector H to complete the fuel sender circuit.
J		BROWN	Rear Running Lights	Route this wire to the LH tail lamp bucket area, cut to length, double this wire with the cut off portion, install terminal K and plug into connector and wire assembly T in the location shown on page 5. Route the loose end of this brown wire to the license lamp area, cut to length, double this wire with the cut off portion, install terminal K and plug into connector H as shown on page 5. Route the loose end of this brown wire to the RH tail lamp bucket area, cut to length, install terminal J and plug into the other connector and wire assembly T in the location shown on page 5.
K				
L		YELLOW	LH Stop / Tail	<b>(NOTE: New terminal C and connector L have been provided for your license lamp lead in the event that your original lead needs repair.)</b> Route this yellow wire to the LH tail lamp bucket area, cut to length, install terminal J and plug into connector and wire assembly T in the location shown on page 5.
Q		DK GREEN	RH Stop / Tail	Route this dk. green wire to the RH tail lamp bucket area, cut to length, install terminal J and plug into the other connector and wire assembly T in the location shown on page 5.
		LIGHT GREEN	Back up lamp feed	Route this wire to the LH tail lamp bucket area, cut to length, double this wire with the cut off portion, install terminal K, and plug into connector and wire assembly T in the location shown on page 5. Route the loose end of this lt green wire to the RH tail lamp bucket area, cut to length, install terminal J and plug into the other connector and wire assembly T in the location shown on page 5.
S		BLACK	Ground	Route the ring terminal end of the black wires from connector and wire assembly T to the rear panel support (near the trunk lock assembly) and attach them into the sheet metal.
				<b>(NOTE: Plug your original or new tail lamp extension harness assemblies (not included with this kit) into the (2) connectors T from above to complete your stop/turn, tail, and back-up lamp connections)</b>
T		WHITE	Courtesy ground	Route this white wire (along with the orange wire below) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, install terminal J, and plug into connector F in the location shown on page 5. Do not plug your dome or Convertible Rear Armrest Courtesy Lamp Kit in yet.
		ORANGE	Courtesy Lamp Feed	Route this orange wire (along with the white wire above) along the doorsill and back toward the trunk, then up into the "C" pillar or sail panel area. Cut this wire to length, double it with the cut off portion, install terminal K, and plug into the empty cavity of connector F in the location shown on page 5. Route the remaining portion of this orange wire back to the LH trunk hinge area, cut to length, install terminal C and plug into connector L <b>(NOTE: Your trunk lamp assembly [Not included with this kit] will plug onto connector L to complete your trunk lamp connection)</b> . Once you have completed connector F, you can plug in your dome or Convertible Rear Armrest Courtesy Lamp Kit to complete those circuits.
U	