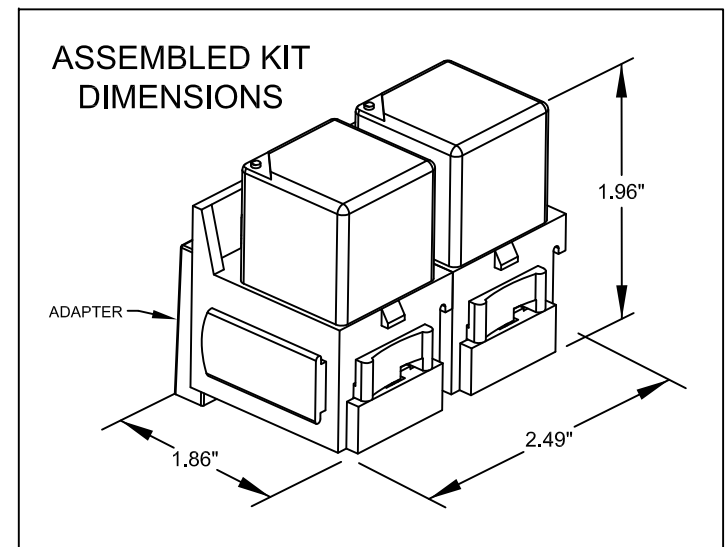
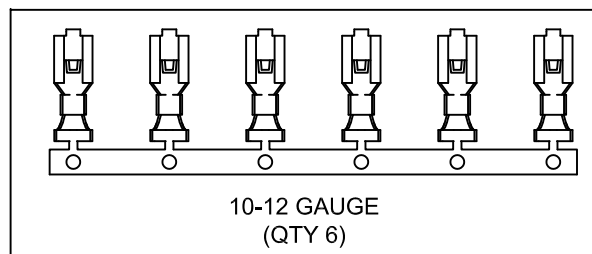
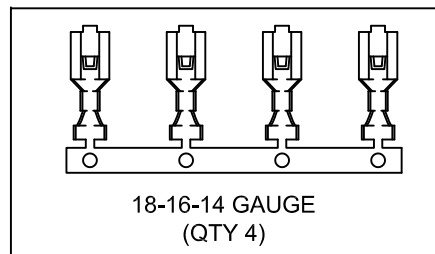
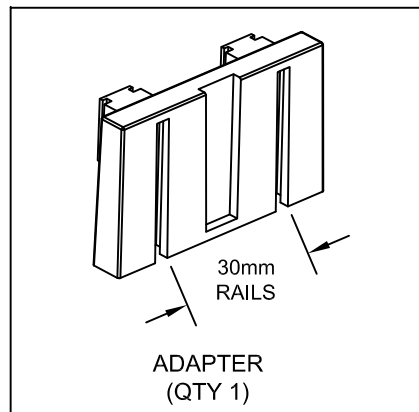
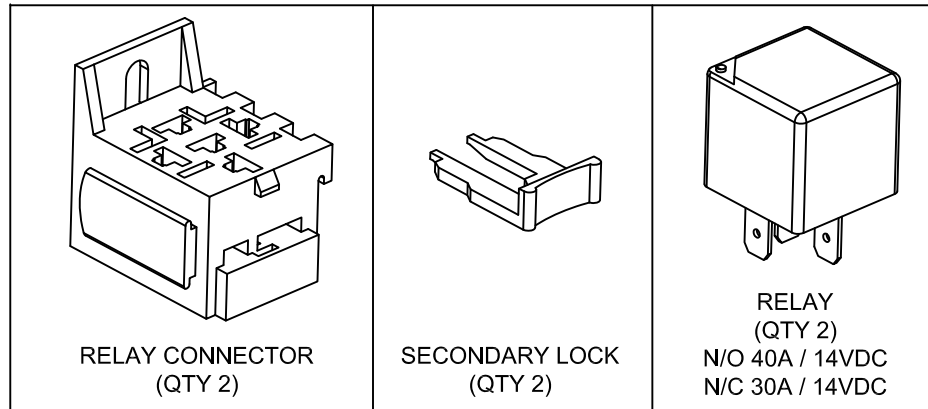


DUAL RELAY ADAPTER KIT WITH 30MM MOUNTING RAILS

READ ALL INSTRUCTIONS CAREFULLY BEFORE PROCEEDING.

- THIS DUAL RELAY ADAPTER ALLOWS ONE OR TWO RELAYS TO BE ATTACHED TO AN ATO SERIES FUSE BLOCK WITH AVAILABLE 30MM MOUNTING RAILS. SEE PAGE 10.
- THIS KIT MAY ALSO BE USED AS A STAND-ALONE APPLICATION FOR IN-LINE USE. WHEN USED IN A STAND ALONE APPLICATION, THE 30MM ADAPTER IS NOT NEEDED.
- THE CUSTOMER MUST DETERMINE IF THERE IS SUFFICIENT CLEARANCE TO MOUNT THIS ADAPTER KIT TO THE FUSE BLOCK OR IN A STAND-ALONE APPLICATION. SEE PAGE 2.
- THE CUSTOMER IS RESPONSIBLE FOR DETERMINING THE AMPERAGE LOAD NEEDED TO ENSURE THE APPROPRIATE TERMINALS ARE SELECTED FOR HANDLING THE AMPERAGE LOADS PASSING THROUGH THE RELAYS. SEE PAGE 3 FOR GUIDELINES.

CONTENTS



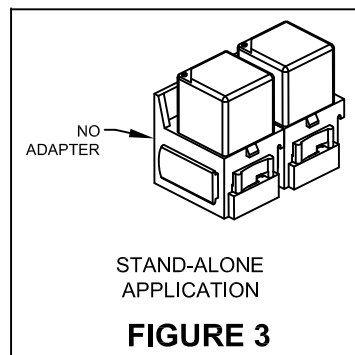
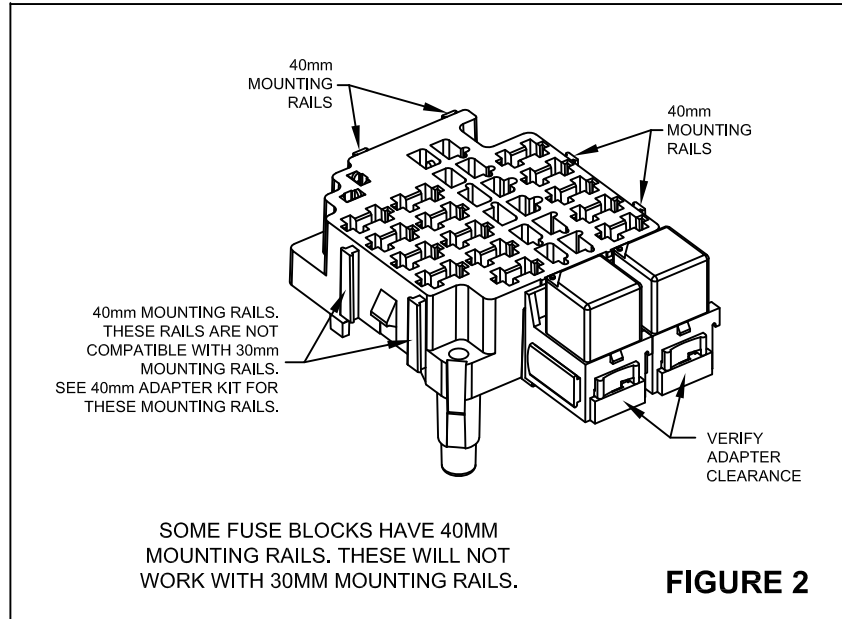
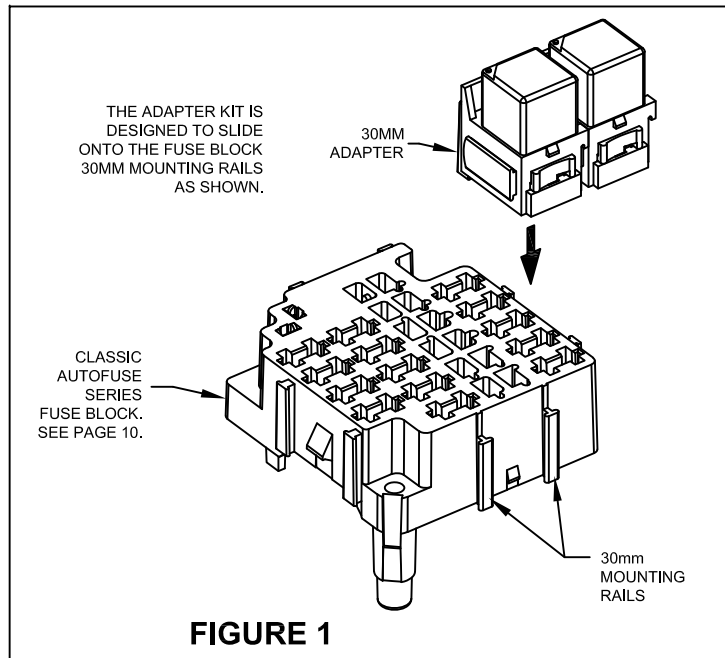
TITLE	
INSTRUCTION SHEET DUAL RELAY ADAPTER KIT WITH 30MM MOUNTING RAILS	
DWG NO.	92974218
SHEET NO.	1 OF 10

DUAL RELAY ADAPTER CLEARANCE

BEFORE PROCEEDING, VERIFY ATO FUSE BLOCK HAS ENOUGH CLEARANCE IN THE VEHICLE TO ATTACH THE DUAL RELAY ADAPTER. SEE FIGURE 1 & 2. OR, VERIFY CLEARANCE FOR DESIRED LOCATION IF USING IN A STAND-ALONE APPLICATION. SEE FIGURE 4. TYPICAL LOCATION FOR MOUNTING IS NEAR FUSE BLOCK. HOWEVER, IT CAN BE LOCATED IN THE ENGINE COMPARTMENT OR PASSENGER COMPARTMENT.

NOTE: ATO FUSE BLOCK SHOWN IS FOR REFERENCE ONLY. YOUR FUSE BLOCK MAY LOOK DIFFERENT BUT CLEARANCE WILL STILL NEED TO BE VERIFIED. SEE PAGE 10 FOR MORE ATO FUSE BLOCK REFERENCES.

IF THERE IS ENOUGH CLEARANCE TO ATTACH THE RELAY ADAPTER ON ANY OF THE AVAILABLE 30MM RAILS, OR IN A STAND-ALONE APPLICATION, THEN PROCEED TO PAGE 3 OF THESE INSTRUCTIONS.



M&H ELECTRIC FABRICATORS, INC.
 AUTOMOTIVE WIRING SYSTEMS
 (562) 926-9552 www.wiringharness.com

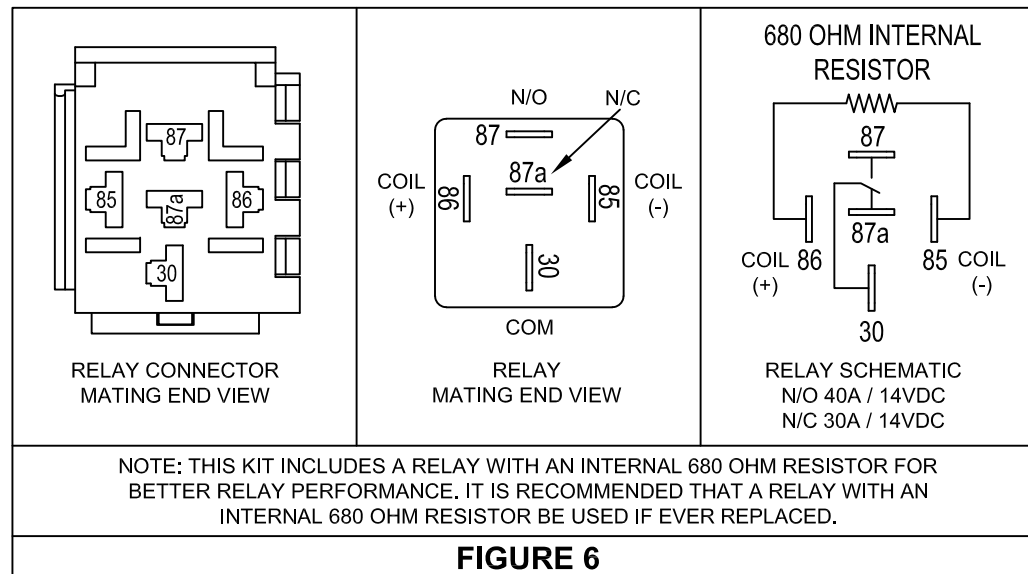
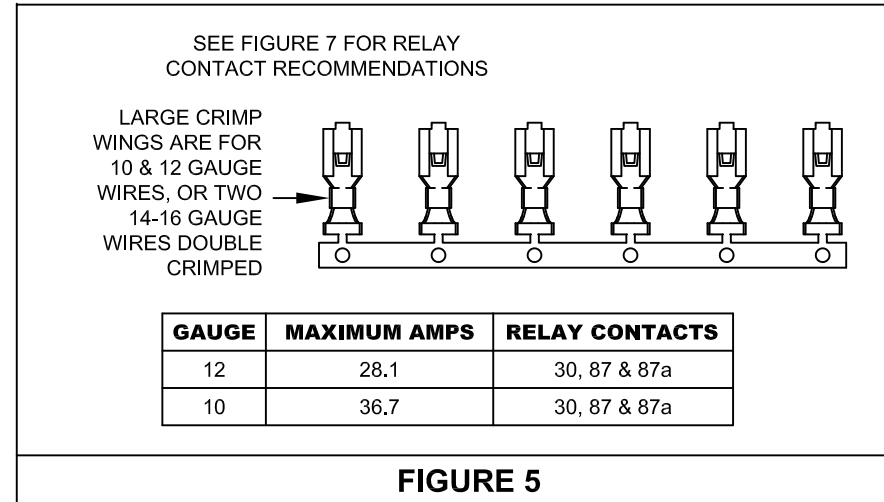
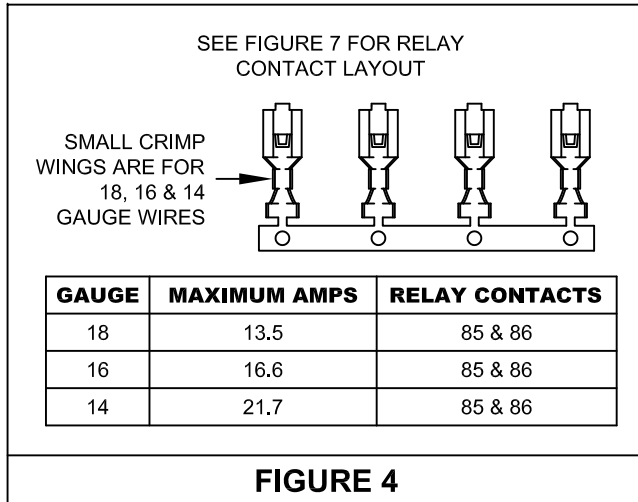
TITLE
 INSTRUCTION SHEET
 DUAL RELAY ADAPTER KIT
 WITH 30MM MOUNTING RAILS

DWG NO. **92974218**

SHEET NO.
 2 OF 10

GUIDELINES FOR DETERMINING TERMINAL AMPERAGE AND CONFIGURATION

THE CUSTOMER IS RESPONSIBLE FOR ENSURING PROPER TERMINAL SELECTION OF EACH CIRCUIT & AMPERAGE LOAD DESIGN WHEN USING THIS KIT. SEE FIGURES 4, 5, & 6 FOR TERMINAL SELECTION GUIDELINES.



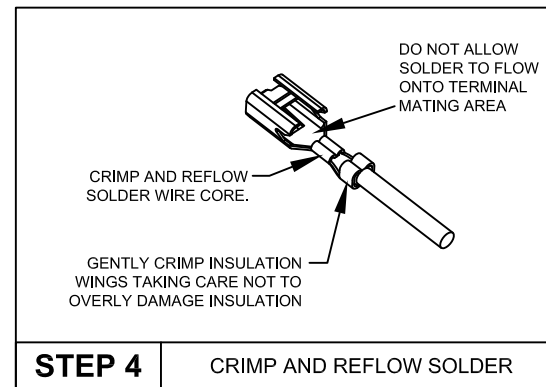
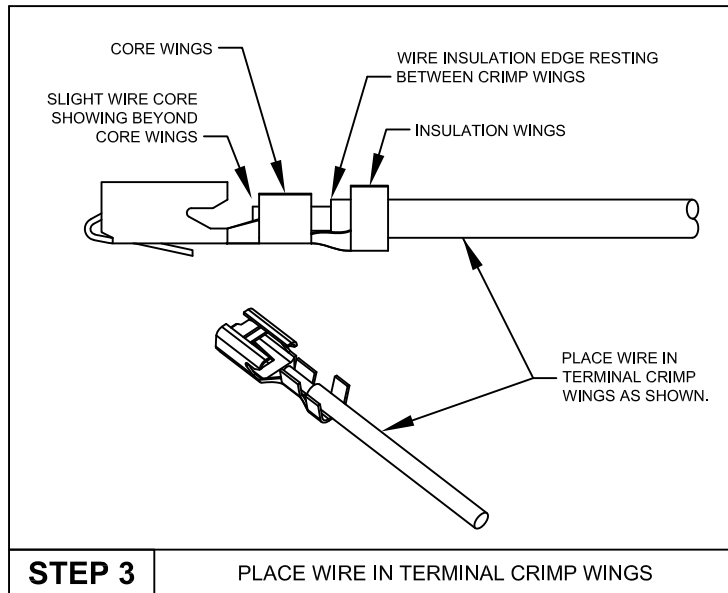
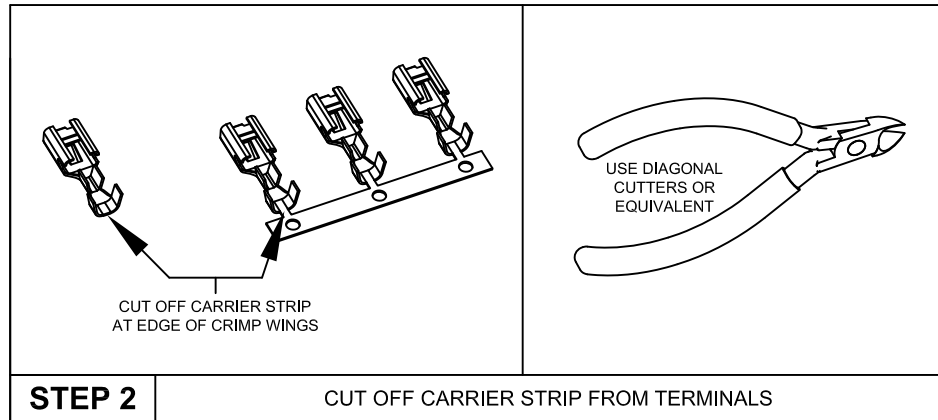
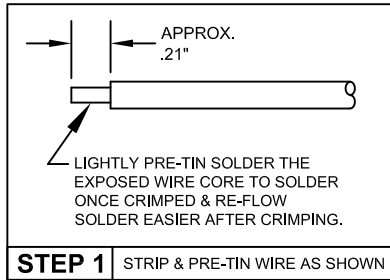
M&H ELECTRIC FABRICATORS, INC.
AUTOMOTIVE WIRING SYSTEMS
(562) 926-9552 www.wiringharness.com

TITLE
**INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS**

DWG NO. **92974218** SHEET NO. 3 OF 10

TERMINAL PREPARATION AND CRIMPING

CRIMP WIRE TO TERMINAL AS SHOWN IN STEPS 1 THRU 4.



NOTE : COMMERCIAL CRIMPERS FOR "B" CRIMPING ARE VERY COMMON AND SHOULD BE USED ON SINGLE TERMINALS. HOWEVER, THEY DO NOT FULLY MEET FACTORY CRIMP SPECIFICATIONS SO SOLDERING IS RECOMMENDED.

M&H ELECTRIC
FABRICATORS, INC.
AUTOMOTIVE WIRING SYSTEMS
(562) 926-9552 www.wiringharness.com

TITLE

INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO.

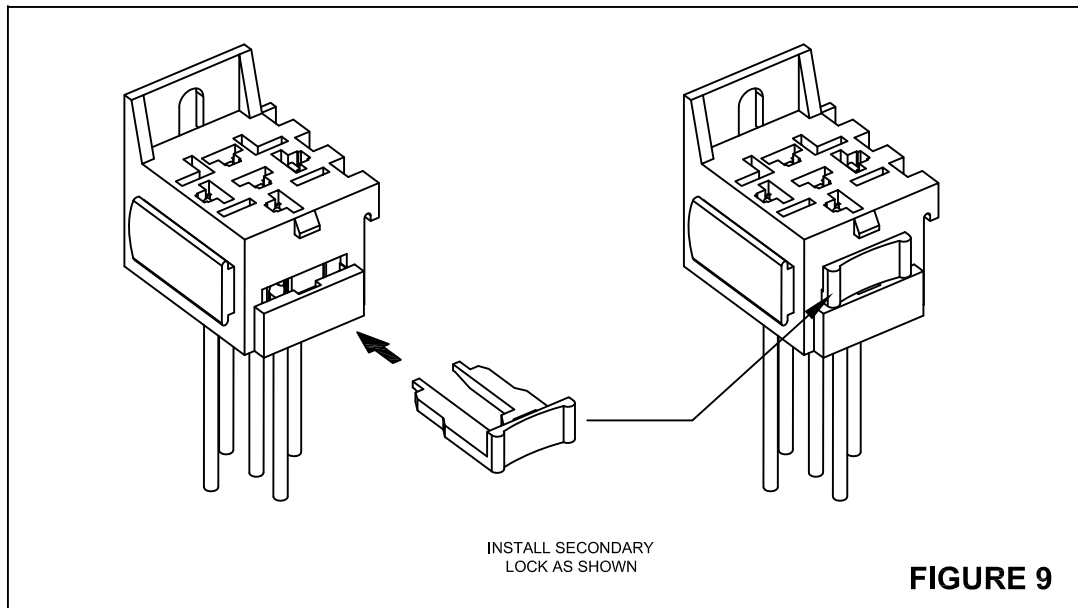
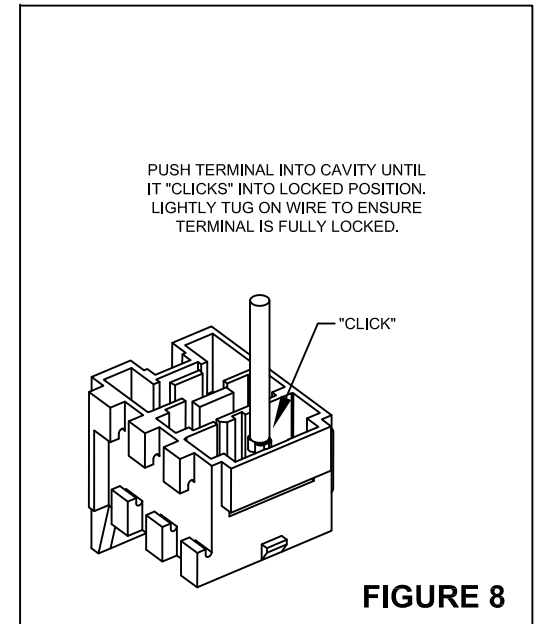
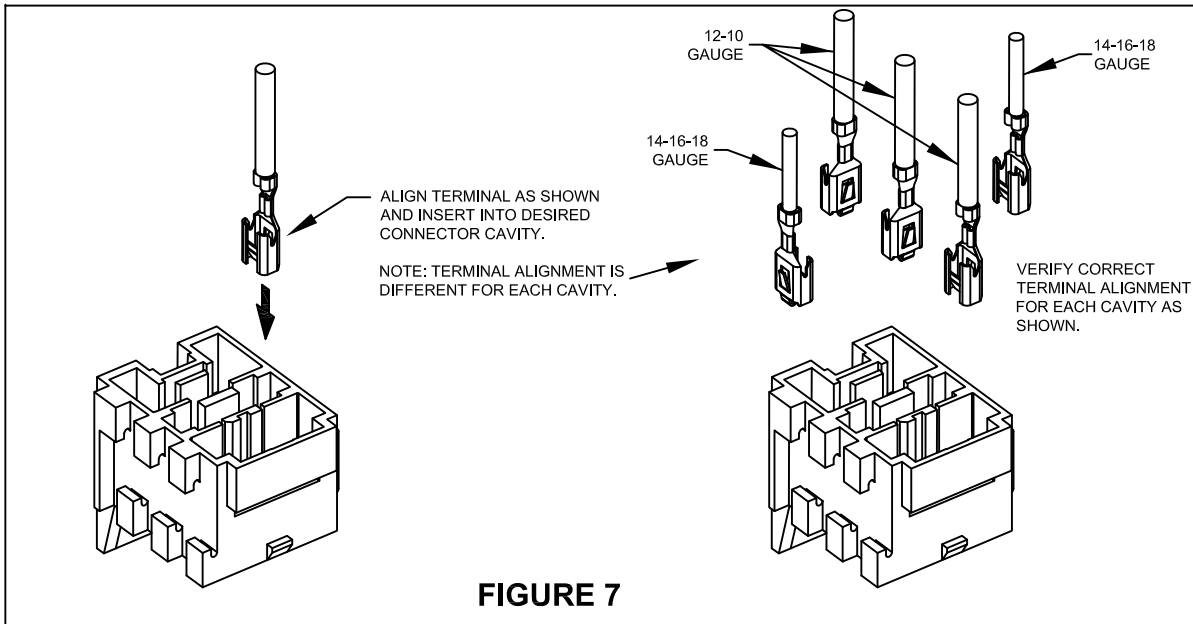
92974218

SHEET NO.

4 OF 10

CONNECTOR ASSEMBLY

ASSEMBLE CONNECTOR AS SHOWN IN FIGURES 7, 8 & 9.



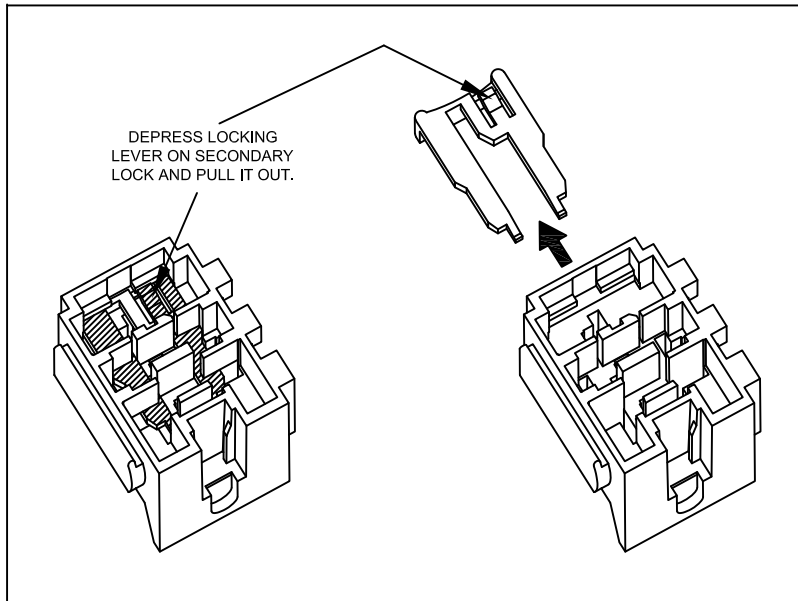
TITLE

INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO. **92974218** SHEET NO. 5 OF 10

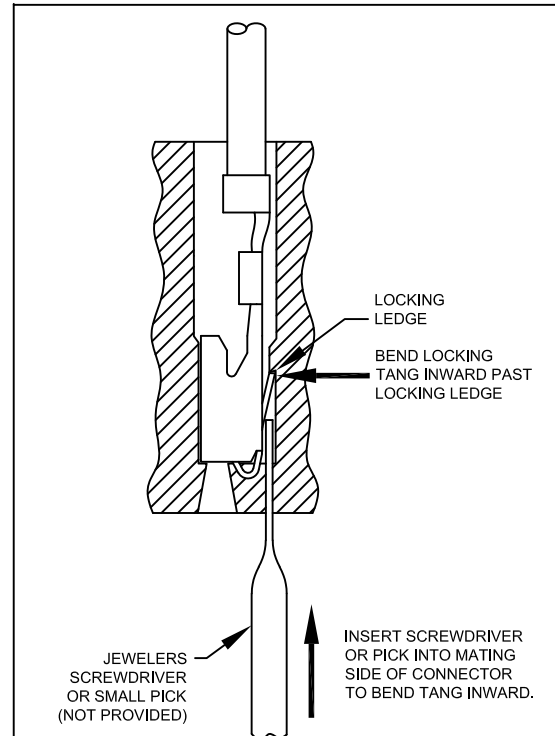
TERMINAL REMOVAL

REMOVE TERMINAL AS SHOWN IN STEPS 1 THRU 3.



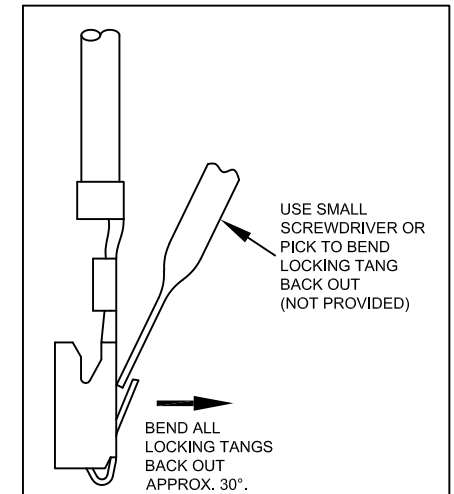
STEP 1

REMOVE SECONDARY LOCK



STEP 2

BEND LOCKING TANG INWARD TO REMOVE TERMINAL AS SHOWN



STEP 3

BEND LOCKING TANG BACK OUT AS SHOWN TO REUSE TERMINAL

M&H ELECTRIC FABRICATORS, INC.
AUTOMOTIVE WIRING SYSTEMS
(562) 926-9552 www.wiringharness.com

TITLE

INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO.

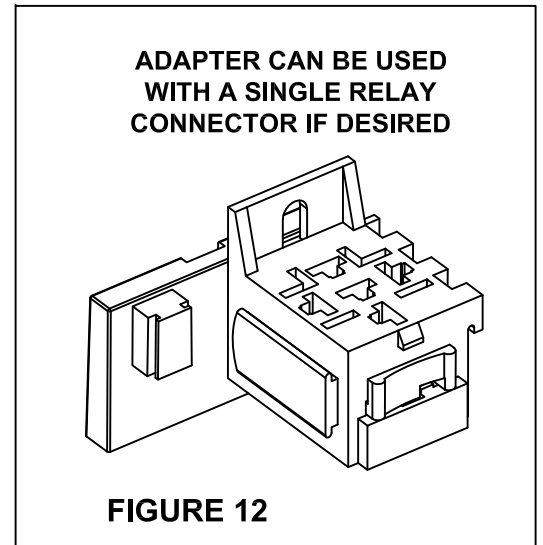
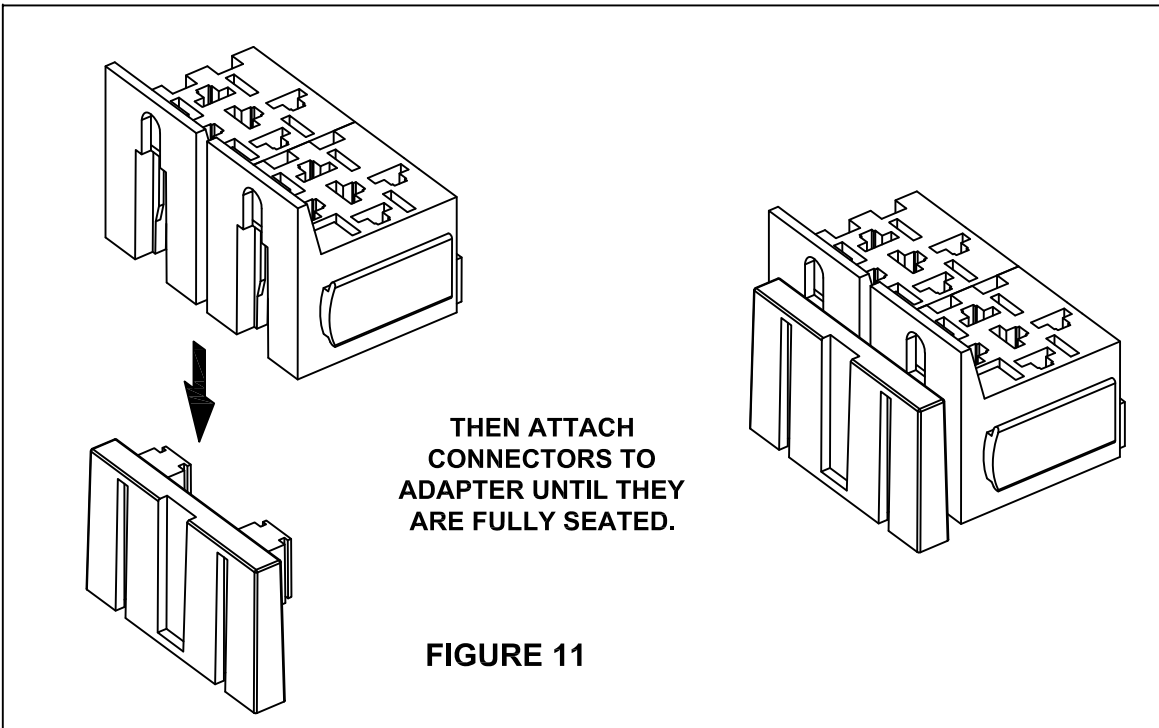
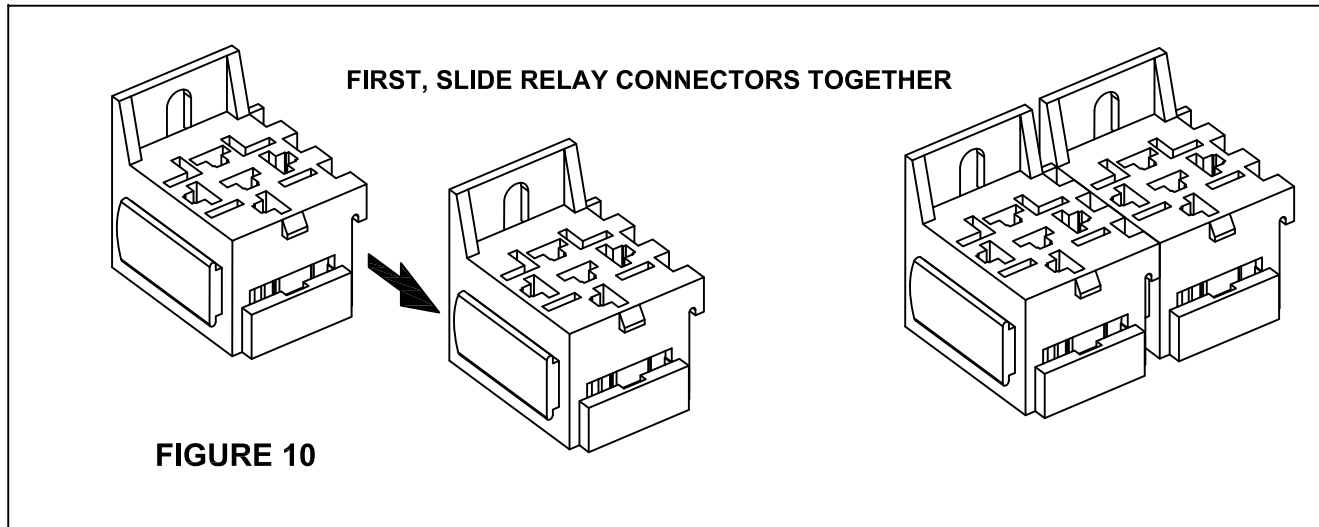
92974218

SHEET NO.

6 OF 10

ADAPTER KIT ASSEMBLY

ASSEMBLE CONNECTORS AND ADAPTER AS SHOWN IN FIGURES 10, 11 & 12.



M&H ELECTRIC
FABRICATORS, INC.
AUTOMOTIVE WIRING SYSTEMS
(562) 926-9552 www.wiringharness.com

TITLE
INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO. **92974218**

SHEET NO.
7 OF 10

TYPICAL DUAL RELAY ADAPTER KIT APPLICATION EXAMPLES

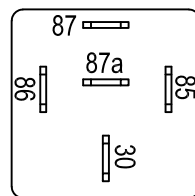
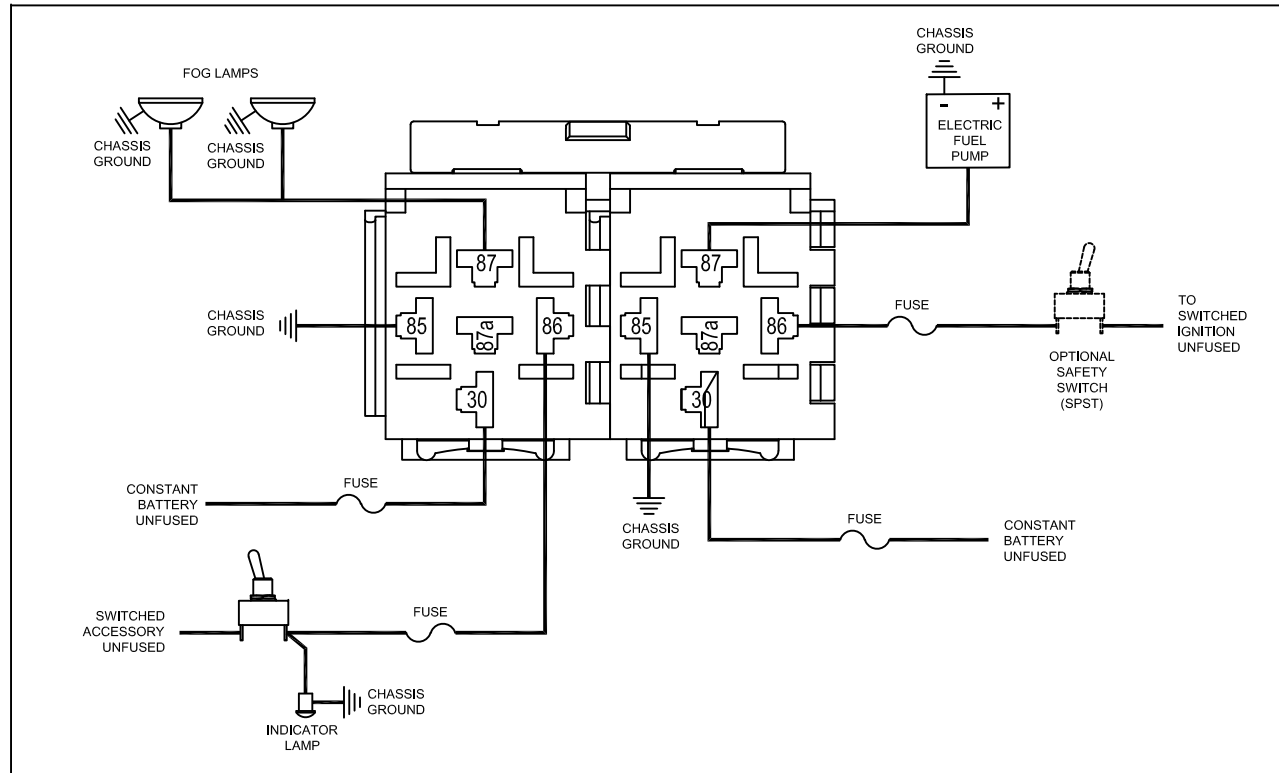
THERE ARE MANY USES FOR THIS RELAY ADAPTER KIT. IT PROVIDES A POWER SWITCHING OPTION FOR VARIOUS FACTORY ACCESSORIES AND AFTERMARKET DEVICES. HERE ARE SOME OF THE POSSIBLE USES FOR LOW TO HIGH AMPERAGE CAPACITY WITH THE ADAPTER KIT:

- ELECTRIC FUEL PUMP WITH RELAY.
- POWER ANTENNA WITH RELAYS.
- DUAL ELECTRIC FUEL PUMPS WITH RELAYS
- SHIFT LAMPS (DASH TOP OR STEERING COLUMN MOUNTED)
- SINGLE OR DUAL ELECTRIC FANS WITH RELAY & TEMPERATURE SENDER GROUND OR MANUAL SWITCH.
- STEREO EQUALIZER WITH RELAY
- STEREO AMPLIFIERS WITH RELAYS
- FRONT FOG OR DRIVING LAMPS WITH RELAYS
- HIGH INTENSITY LAMPS WITH RELAYS (MOUNT ON ROOF OR ROLL BARS)
- RPM ACTIVATED SWITCHES, ELECTRIC SHIFTERS, & NOS SYSTEMS.
- TOW TRAILER POWER LEADS & CAMPER BATTERY JUNCTION CIRCUITS
- POWER WINDOWS, POWER SEATS, POWER DOOR LOCKS, POWER TOP

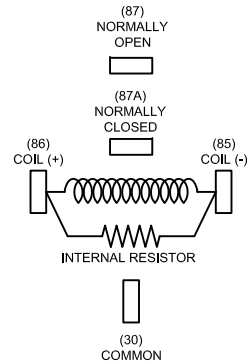
 M&H ELECTRIC FABRICATORS, INC. AUTOMOTIVE WIRING SYSTEMS (562) 926-9552 www.wiringharness.com	
TITLE INSTRUCTION SHEET DUAL RELAY ADAPTER KIT WITH 30MM MOUNTING RAILS	
DWG NO. 92974218	SHEET NO. 8 OF 10

TYPICAL DUAL RELAY ADAPTER KIT SCHEMATICS

THESE SCHEMATICS ARE FOR REFERENCE ONLY.
FOLLOW DEVICE RECOMMENDATIONS AS REQUIRED.



RELAY
MATING END VIEW



NOTE: THIS KIT INCLUDES A RELAY WITH AN INTERNAL 680 OHM RESISTOR FOR BETTER RELAY PERFORMANCE. IT IS RECOMMENDED THAT A RELAY WITH AN INTERNAL 680 OHM RESISTOR BE USED IF EVER REPLACED.



TITLE

INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO.

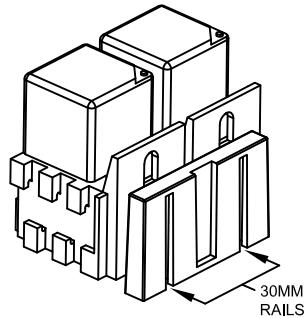
92974218

SHEET NO.

9 OF 10

DUAL RELAY ADAPTER KIT ATTACHMENT OPTIONS TO CLASSIC AUTOFUSE SERIES DASH HARNESSSES

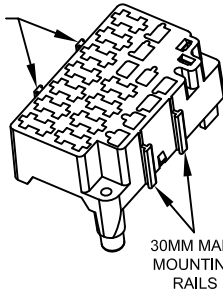
(SEE CATALOG APPLICATIONS FOR SPECIFIC DASH HARNESS PART NUMBERS USING THESE FUSE BLOCKS)



THE DUAL RELAY KIT CAN BE ATTACHED TO THESE ATO SERIES FUSE BLOCKS USED ON CLASSIC AUTOFUSE SERIES DASH HARNESSSES

THIS ATO SERIES FUSE BLOCK IS USED ON THE FOLLOWING CAR LINES:

40MM MALE MOUNTING RAILS NOT APPLICABLE



30MM MALE MOUNTING RAILS

1964-67 GM "A" BODY:

- CHEVELLE / EL CAMINO
- SKYLARK / GS
- GTO / LEMANS
- CUTLASS / 442

1963-67 GM "B" BODY:

- IMPALA
- CAPRICE
- BISCAYNE
- BEL AIR
- AND OTHER CHEVY PASSENGER MODELS

1967 GM "F" BODY:

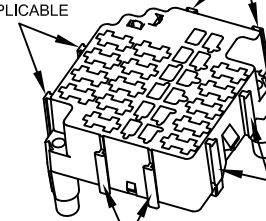
- CAMARO
- FIREBIRD

1967-69 "Z" BODY:

- CORVAIR

THIS ATO SERIES FUSE BLOCK IS USED ON THE FOLLOWING CAR LINES:

40MM MALE MOUNTING RAILS NOT APPLICABLE



30MM MALE MOUNTING RAILS

40MM MALE MOUNTING RAILS NOT APPLICABLE

40MM MALE MOUNTING RAILS NOT APPLICABLE

1968-77 GM "A" BODY:

- CHEVELLE / EL CAMINO
- MONTE CARLO
- SKYLARK / GS
- GTO / LEMANS
- CUTLASS / 442

1968-71 GM "B" BODY:

- IMPALA
- CAPRICE
- BISCAYNE
- BEL AIR
- AND OTHER CHEVY PASSENGER MODELS

1968-79 GM "F" BODY:

- CAMARO
- FIREBIRD
- 68 & 69 ALREADY COMPLETE

1968-74 GM "X" BODY:

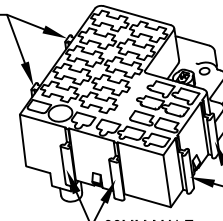
- CHEVY II / NOVA

1968-78 GM "Y" BODY:

- CORVETTE

THIS ATO SERIES FUSE BLOCK IS USED ON THE FOLLOWING CAR LINES:

40MM MALE MOUNTING RAILS NOT APPLICABLE



30MM MALE MOUNTING RAILS

1958-62 GM "B" BODY:

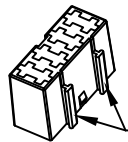
- IMPALA
- BEL AIR
- BISCAYNE
- CAPRICE

1962-67 GM "X" BODY:

- CHEVY II / NOVA

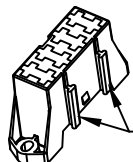
1958-67 GM "Y" BODY:

- CORVETTE



30MM MALE MOUNTING RAILS

PART # SUM-RP22779
4-WAY ATO ACCESSORY KIT



30MM MALE MOUNTING RAILS

PART # SUM-RP22778
4-WAY ATO ACCESSORY KIT WITH SIDE MOUNTS

NOTE:
CUSTOMER MUST DETERMINE IF THERE IS SUFFICIENT SPACE TO ATTACHED THE DUAL RELAY ADAPTER KIT TO THE ATO FUSE BLOCK AFTER DASH HARNESS HAS BEEN INSTALLED IN VEHICLE.



TITLE

INSTRUCTION SHEET
DUAL RELAY ADAPTER KIT
WITH 30MM MOUNTING RAILS

DWG NO.

92974218

SHEET NO.

10 OF 10