

FISH-STIK™/CLUTCH RELAY KIT TO ADAPT ELECTRIC CLUTCH HYDRAULIC SYSTEMS FOR USE W/ FISH-STIK HAND-HELD CONTROL

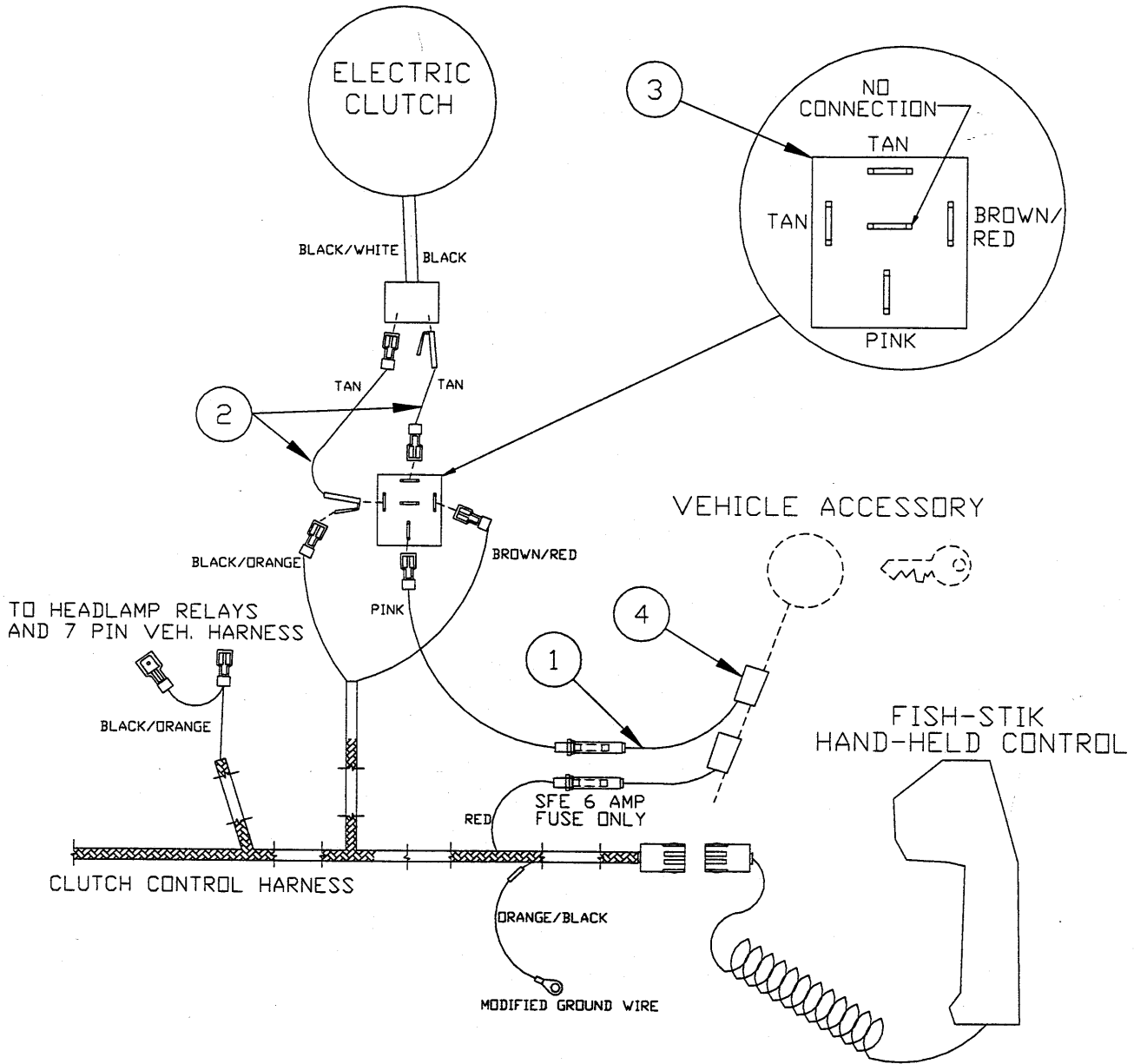


Figure #1

20654

Parts List

Item #	Part #	Qty	Description
1	20841	1	Relay Wire
2	8294	2	Jumper Wire
3	8293	1	Headlamp Relay
4	4302	1	In-line Connector - Insulated
5	3666	6	Black Nylon, Hose Tie, 3/16 x 8

Warning: Disconnect the battery before installing, removing or replacing any electrical components, such as: motor, motor relay, battery cables, etc. Be sure the vehicle's keyed accessory line is in the OFF position with the key removed.

Caution: The Ground Wire Modification and SFE 6-amp Fuse Modification are both required. Failure to complete these necessary modifications, along with the Fish-Stik™/Clutch Relay Modification may cause damage to the control.

Note: If this is a new installation, install the 20040 Electric Clutch Control Harness according to the peculiar hydraulic instructions. Leave the clutch disconnected from the control harness. If this is for an existing installation, disconnect the clutch from the control harness.

1. On the driver-side of the vehicle, use the same hole in the fire wall as the control harness uses and route the pink relay wire and fuse holder (1) into the cab. Route the other end with the receptacle to the Electric Clutch.
2. Using the in-line connector (4), splice the end of the wire to a keyed accessory line.
3. Connect the 1/4" insulated receptacle on the end of the pink relay wire (1) to the terminal marked 30 (common) on the relay (3). *See Figure #1.*
4. Connect one of the tan jumper wires (2) to the terminal marked 87 (normally open) on the relay. Use the end with the receptacle.
5. Connect the other tan jumper wire (2) to the terminal marked 86 on the relay. Use the end which has a receptacle/tab combination.
6. Connect the brown/red wire from the control harness to the terminal marked 85 on the relay.
7. Connect the black/orange wire from the control harness to the receptacle/tab terminal on the tan wire on terminal 86 of the relay.
8. Connect the tan jumper wires to the clutch terminal. The tan wire from relay terminal 87 should connect to the black/white wire; the other tan jumper to the terminal with the black wire on the clutch.
9. Using the cable ties (5), secure the jumper wires with the relay and all other wires away from moving parts.
10. Proceed to the Ground Wire Modification Instructions on page 3 before plugging in the control.

Note: If the Electric Clutch Control Harness has a black molded plug on the control end, the 21019 Plug Adapter must be used to adapt the harness for the Fish-Stik Control.

Ground Wire Modification Instructions for Electric Clutch Systems

CAUTION: Operation of the Fish-Stik™ Hand-Held Control without the ground wire modifications (shown below) could result in damage to the control.

Note: The parts necessary to make the modification below can be found in the Fish-Stik Hand-Held Control Kit (PN 9400).

All Electric Clutch harnesses to date -20040 Rev # 2- need to be modified.

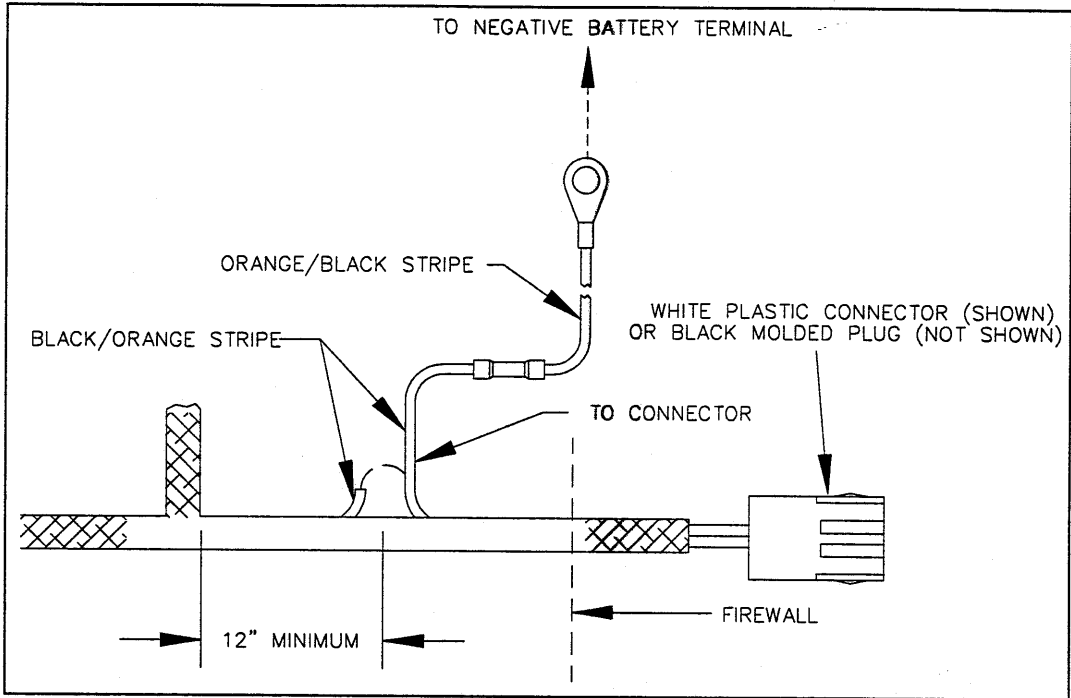


FIGURE #2

1. Turn vehicle key to the OFF position. Locate the Fisher vehicle (dontrol) harness inside the engine compartment.
2. Locate the first branch in the harness, coming from the firewall. Measure back at least 12 inches from the first branch, carefully cut the braiding of the Fisher vehicle harness. Make the cut approximately three inches in length. Do not cut the insulation of any of the wires within the braiding of the harness. See Figure #4.
3. Locate the black/orange wire.
4. To allow for sufficient wire length, cut the black/orange wire at the braid opening furthest away from the firewall end of the harness.
5. Protect the short end of the black/orange wire by taping the braid closed.
6. Strip 1/4" of the insulation from the end of black/orange wire coming from the firewall end of the harness.
7. Use splice connector (PN 56470, Ground Wire Assembly) to attach stripped end of orange/black wire from the harness to black/orange ground wire assembly.
8. Attach the ring terminal to the negative terminal on the battery.
9. Proceed to the SFE Fuse Modification Instructions on page 4 before plugging in the control.

SFE Fuse Modifications for Electric Clutch Systems

CAUTION: If the fuse being used is rated greater than 6 Amps, damage to the control could result.

Note: The parts necessary to make the modification below can be found in the Fish-Stik™ Hand-Held Control Kit (PN 9400).

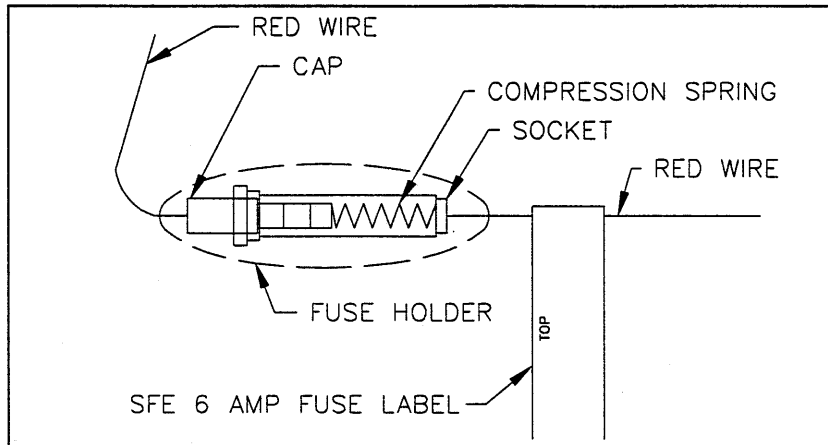


FIGURE #3

1. Turn the vehicle key to the OFF position.
2. Disconnect the fuse holder and examine the fuse rating on the fuse.

If the fuse is a SFE-6 fuse, reassemble the fuse holder assembly and proceed to the Ground Wire Modification Instructions before plugging in the control.

If the fuse is not a SFE-6, follow the instructions below.
3. Disconnect the red fuse holder wire from the power source. The fuse holder is part of the vehicle control harness and is located near the fuse box under the dashboard.
4. Remove the red wire and spring from the fuse holder body.
5. Insert the red wire into the proper spring furnished in the kit.

Fuse holder white and black body – install the short spring (PN 56469) provided with the kit.
Fuse holder completely black – install the long spring (PN 56468) provided with the kit.
6. Insert the wire and spring into the fuse body. *See Figure #3.*
7. Reconnect the red wire to the power source.
8. Insert the 6-amp SFE fuse provided, and close the holder.
9. Install the furnished label onto the wire next to the fuse holder.
10. If not already completed, proceed to Ground Wire Modification Instructions before plugging in the control.

CAUTION: DO NOT plug in the Fish-Stik Hand-Held Control until ALL necessary modifications are completed. Failure to do so may cause damage to the control.