

Installation of Remote Keyless Entry for your Fiero (part # 38--2164Y - Model 2RTA)

By [Jack Secord](#)

These instructions pertain specifically to Valiant Remote Keyless Entry System, **part # 38--2164Y** from [J.C.Whitney \(Model 2RTA\)](#)

Refer to the Operation and Installation Instructions that came with your kit: Fig. 1, Fig. 3P, the Wiring Diagram, and the diagram headed "Positive Trigger Trunk Release" apply to the Fiero.

Step 1. The following wires connected to the 2RTA Receiver Module 10 PIN CONNECTOR are not used: GRAY, BLUE, BLUE JACK, RED JACK.

Step 2. Refer to the Wiring Diagram. The following wires require connection to 12V+: WHITE, RED, and BROWN. The WHITE and BROWN wires can be connected to the RED wire near the 10 PIN CONNECTOR so they are all protected by the fuse in the RED wire.

Step 3. Refer to Fig. 3P. The 2RTA YELLOW wire and 2RTA GREEN wire come from the Receiver Module. The following wires from the Receiver Module will be connected to the Fiero wiring under the passenger side dash: RED-CONSTANT 12V(+), BLACK-CHASSIS GROUND(-), GREEN-DOOR UNLOCK, YELLOW-DOOR LOCK, BLACK-RF ANTENNA. It is not necessary to remove door panels or door lock switches. All wires are accessible under the dash. Before you begin connecting wires from the Receiver Module to Fiero wiring, it is recommended that you disconnect the negative battery cable. This will avoid unpleasant surprises.

Step 4. Refer to Figure D-RH Shroud. (This diagram applies to all model years.) Two connectors plug into the DOOR-LOCK RELAY ASSEMBLY as shown. CONNECTOR C1 has 3 wires: TAN, GRAY, and ORANGE/BLACK STRIPE. CONNECTOR C2 has a BLACK and a BLUE wire. If you have a sub-woofer, it will be necessary to remove it to attain access to the DOOR LOCK RELAY.

Step 5. Refer to Step 4. Connect the 2RTA YELLOW wire to the CONNECTOR C2 BLUE wire, and the 2RTA GREEN wire to the BLACK wire of CONNECTOR C2. Connect the RED-CONSTANT 12V(+) wire to the ORANGE/BLACK STRIPE wire of CONNECTOR C1.

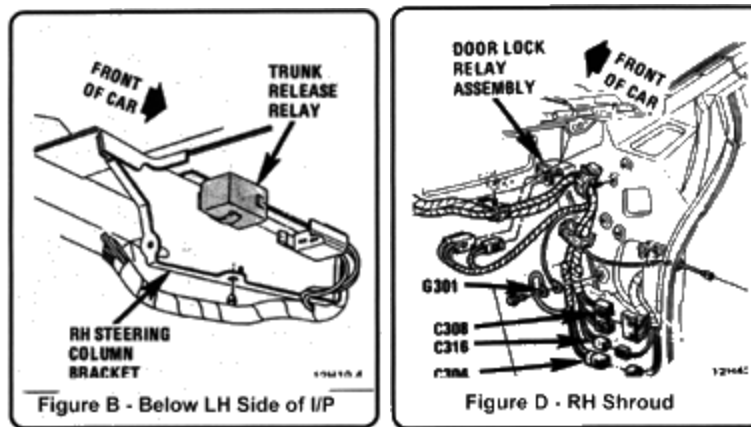
Step 6. Note that in Figure D, G301 is a ground connection. Loosen the bolt and connect the 2RTA BLACK-CHASSIS GROUND(-) wire here. There is also a 2RTA BLACK RF ANTENNA wire. Be sure to use the BLACK GROUND WIRE.

Step 7. Refer to Figure B-BELOW LH SIDE OF I/P. The TRUNK RELEASE RELAY is located under the instrument panel on the R.H. side of the Steering Column Support. Connect the ORANGE -TRUNK RELEASE SWITCH wire to the GRAY/BLACK STRIPE wire of the TRUNK RELEASE RELAY. You can identify the TRUNK RELEASE RELAY by the three wires connected to it: GRAY/BLACK, BLACK/WHITE, YELLOW (automatic), or GRAY/BLACK, BLACK/WHITE, TAN/WHITE (manual).

Note: 1984 Fieros did not have a TRUNK RELEASE RELAY. For 1984 Fieros, connect the ORANGE-TRUNK RELEASE SWITCH wire to a BLACK wire coming from the TRUNK RELEASE SWITCH in the dash.

Step 8. Provision is made for the 2RTA system to lock all doors when ignition is turned on, and unlock when ignition is turned off. This is accomplished with the PURPLE -TO IGNITION 12V(+) wire. If you desire this feature, connect the PURPLE wire to the BROWN wire coming from the IGNITION SWITCH. If you do not desire this feature, connect the PURPLE wire to the RED-CONSTANT 12V(+) wire.

Finally, you are done. Connect your negative battery cable and see if it passes the smoke test.



General Instructions

The 2RTA Receiver Module can be mounted to the passenger side carpet with Velcro, up under the dash in a location where it will not be disturbed by the passenger. The antenna is laid horizontal and tucked behind the carpet. Tape or tie loose wires into a neat bundle and tuck under the carpet.

A few special tools will make this job easier:

- electrical wire cutter
- electrical wire stripper
- electrical crimp connector pliers
- electrical tape
- crimp connectors

It is not necessary to solder connections. Crimp connectors are adequate, and are available at any good hardware department. There are also connectors available which do not require cutting Fiero wires to splice in 2RTA wires. These are desirable since they have minimal disturbance of the Fiero wiring. The major challenge of this project is to connect the wires correctly and make sure you have good electrical contact.
