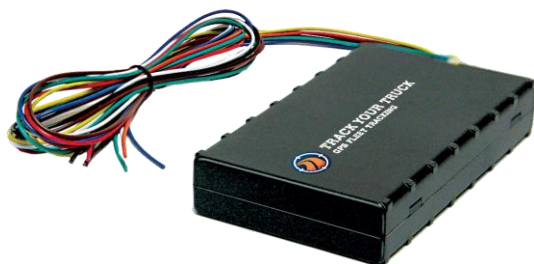


Coyote ST/AT/RT Hardware Installation Guide

Step A Mounting the Unit

1. Mount the Unit in a ventilated area out of the way of the driver's feet. (Note: the Unit is not weather proof).
2. Be sure to mount the device where you can see the LED's without too much trouble in case technical support needs to know the status of the LED's.
3. Choose how to mount the unit: (1) 3M VHB tape or (2) zip tie straps which has been provided.
4. The **LABEL** of the VLM should face towards the sky for the best performance. Record the ESN off the GPS unit (white label)



Coyote ST



Coyote AT



Coyote RT

Step B Power Connection

1. **Ground:** Connect the BLACK wire to chassis/vehicle ground. Choose a good snug ground point that is not painted.
2. **Power:** Connect the RED wire to a 12 volt constant supply. This connection must be fused and capable of supplying 1 amp at +12VDC.
3. **Ignition:** Connect the WHITE wire to a 12 volt SWITCHED source. This connection must be fused and capable of supplying 1 amp at +12VDC when the vehicle is on and 0VDC when the ignition is off.
4. The best connections are the auxiliary power connections on the fuse panel provided by some vehicle manufactures.
5. Connect and test all wires before connecting the power harness to the unit.
6. Fuse connection kits may be needed. (not supplied)

Step C Installation Verification

1. Go to install.tyt1.net. or Scan the QR Code below.
2. Record the ESN/Serial number associated with the GPS unit.
3. Record the Vehicle Identification Number (VIN)
4. Park the vehicle outside with a clear view of the sky.
5. Follow the prompts in the NetTrack Installer Check.
6. If the verification fails, Check the LED's on the GPS unit. And try again.
7. You may also contact TYT_Support via our support site at support.trackyourtruck.com



Track Your Truck, Inc.
Phone: 815-717-8482
Fax: 877-376-5154

Support@trackyourtruck.com



Coyote ST/AT/RT Status LED Description

Orange LED	
Condition	Description
Modem off	off
Searching for connectivity	SLOW blinking
Network available	FAST blinking
Registered but no inbound ACK	Alternates from solid to Fast Blink every 1 second
Registered and Received inbound ACK	Solid
Yellow LED	
Condition	Description
GPS Off	Off
GPS on	SLOW blinking
GPS Time Sync	Fast Blinking
GPS Fix (location detected)	Solid

1. If the LED displays a trouble code, please move the vehicle to an area that has an unobstructed view of the sky; wait 5-10 minutes to see if the unit corrects itself.
2. If the trouble code is still present, move or re-orient the unit making sure the label is facing skyward and is not blocked by metal. The most common issues are related to a poor orientation.
3. Contact Track Your Truck Support for further diagnostics if needed.

Track Your Truck, Inc.
 Phone: 815-717-8482
 Fax: 877-376-5154
Support@trackyourtruck.com



Coyote Wiring Harness Description

(22 AWG leads mapped as follows)

Coyote ST (Integrated Harness)

Signal	Description	Lead Color
GND	Ground	Black
Vcc	Constant Power	Red
IN-0	Ignition	White
IN-1	Digital In-1* (see wiring instructions)	Blue
IN-2	Digital In-2*	Orange
OUT-0	Starter Disable*	Green
OUT-1	Door Unlock*	Brown
OUT-2	Output 2*	Yellow

Coyote AT-RT (5C867 20-Pin Harness)

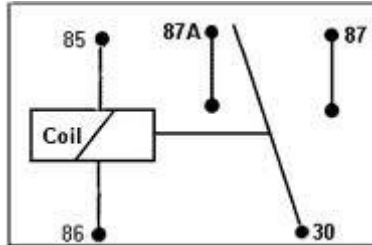
Pin	Signal	Description	Lead Color
1	none		
2	OUT-0	Starter Disable*	Green
3	IN-1	Digital In-1*	Blue
4	none		
5	ADC-1	Analog to Digital In-1	Pink
6	IN-3	Digital In-3*	Violet
7	IN-4	Digital In-4	Gray
8	IN-0	Ignition	White
9	none		
10	OUT-1	Door Unlock*	Brown
11	OUT-2	Output 2*	Yellow
12	IN-2	Digital In-2*	Orange
13	none		
14	Vcc	Constant Power	Red
15	GND	Primary Ground	Black
16	GND	Backup Battery Ground	Black
17	none		
18	none		
19	none		
20	none		

*See wiring instructions for Inputs & Outputs

Coyote Accessory Wiring Instructions

Coyote ST Digital Inputs

- Inputs are biased HIGH
- Use TYT ST Relay kit which uses a normally-open Relay latched to ground to provide normal 12Vdc = On and GND (or open) = Off logic



- Automotive Relay-Waytech/Bosch or equiv (mfg p/n 75281)
- Relay Contact push on terminal for 14-16AWG wire (mfg p/n 31073)

Relay Connector	Connection
85	connect to customer input (PTO, door switch) where +12Vdc = High/On and open = Low/Off
86	connect to 30 lead (gnd)
87a	connect to Coyote ST Input Lead where IN-1 = BLUE lead and IN-2 = ORANGE lead
87	not connected
30	connect to vehicle Ground

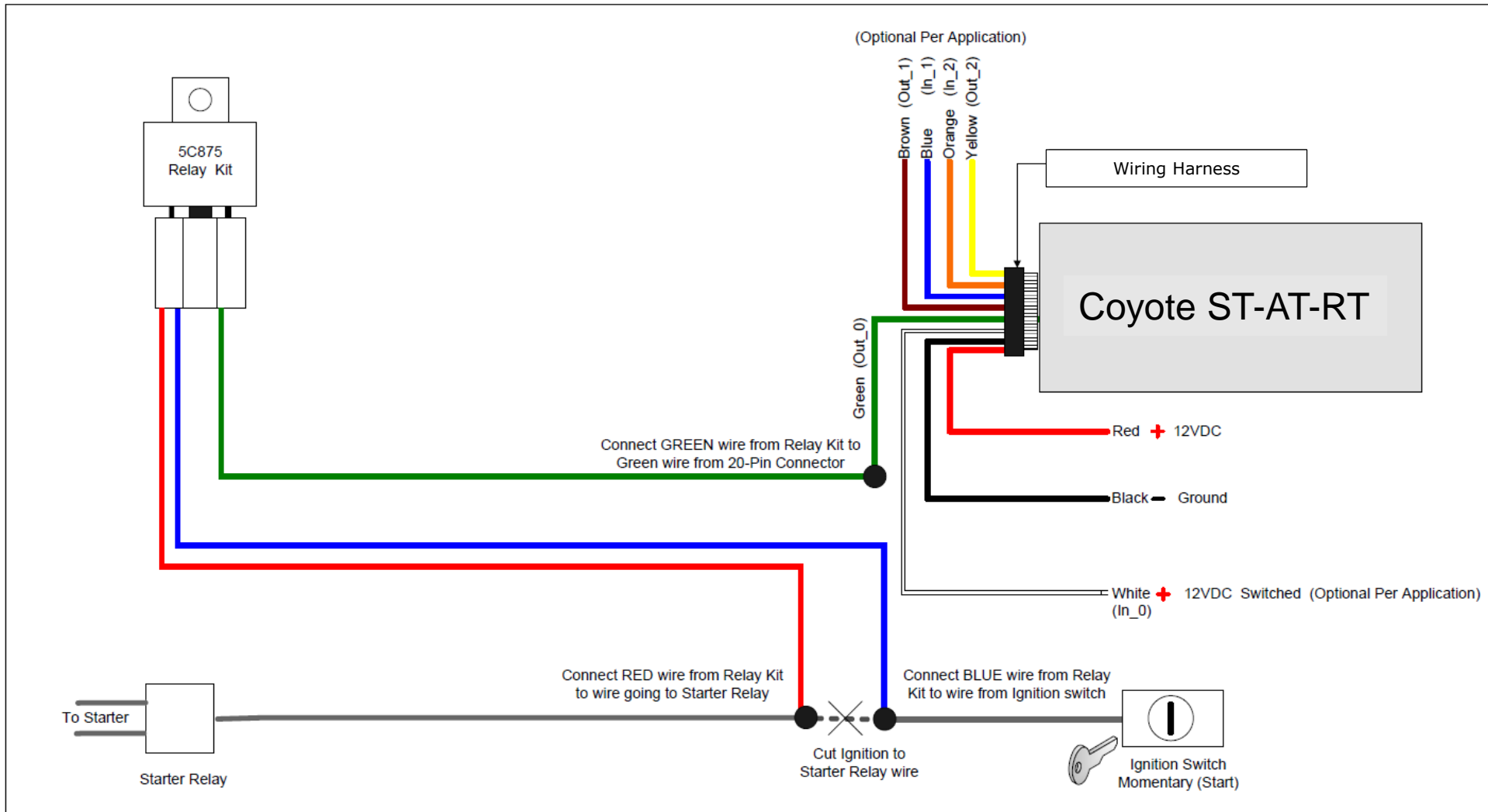
Coyote AT-RT Digital Inputs

- Inputs are biased LOW
- No external relay needed for normal 12Vdc = On and GND (or open) = Off logic

Coyote Outputs

- OUT-0 Starter Disable—see Coyote ST-AT-RT VLM Starter Disable Wiring Diagram
- OUT-1 Door Unlock—Negative side of Driver Door Unlock where remote trigger sends ground pulse when activated
- OUT-2--TBD

Coyote ST-AT-RT VLM Starter Disable Wiring Diagram



Coyote DallasID Wiring Instructions

For Use Coyote Wiring Harness 5C260

DallasID Reader 4C763

Step#1: Locate an accessible installation location for the driver

Step#2: Drill a 7/16" hole to mount the reader harness

Step#3: Remove the retainer clips and feed the harness thru the mounting hole

Step#4: Re-install the retainer rings being sure to push them snugly over the black arm coving both wires.

Ensure that the 2 wires remain in the retaining channels on the back of the reader

Step#5: Connect the 2-pin molex connector (grey & black) to the mating connector (blue/white & black) on the Coyote harness. There is only one connector on the coyote harness where the reader will connect.

Step #1



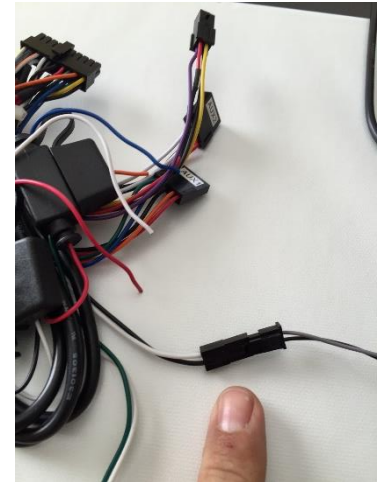
Step #3



Step #4



Step #5



Coyote DallasID Wiring Instructions

Must Use Coyote Wiring Harness 5C260

DallasID [Buzzer 4C765](#)

- Step#1: Locate a position under the dash where you can mount the buzzer. The buzzer is quite loud. You may want to try several locations to find the optimum location where the driver can hear the device.
- Step#2: Mounting can be done with a wire tie or with a screw. If possible, mount with the buzzer facing toward the driver.
- Step#3: Connect the buzzer 3-pin molex connector (red & black) to the mating connector (green & white) on the Coyote harness. There is only one connector on the coyote harness where the reader will connect.

Step #3



Coyote RT Temperature Probe Installation

Must Use Coyote Wiring Harness 5C260

Sensor Wiring (see table and pictures below)

Step#1: ***DO NOT Cut Both wires simultaneously or you will short the data bus***

->Cut off the 2-pin Molex blue/white and black wire connector on the Coyote RT 5C260 Harness

Step#2: Use butt connectors or solder to connect the Coyote 1-wire leads to the Temperature Sensor. Refer to the wiring chart below.

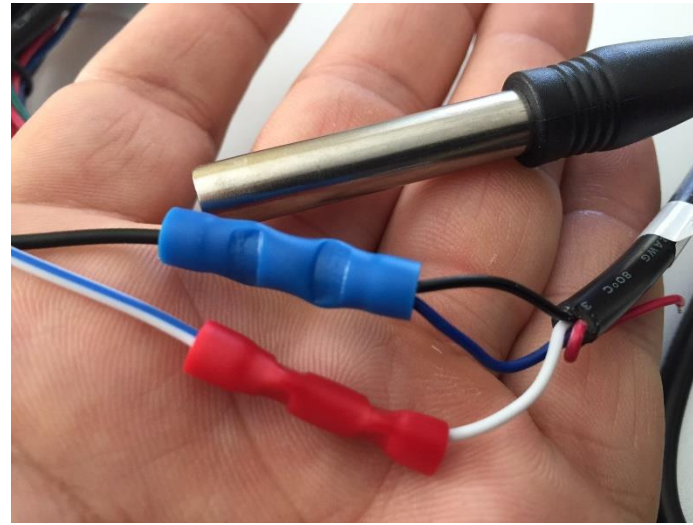
Step#3: Mount the Probe--Probe can be flush-mounted or the entire probe protruding in area to be monitored. Sensor can be easily fastened using Silicon. Be sure NOT to cover the metallic part of the probe.

Temperature Sensor Wiring	Function	Coyote RT Wiring (1-wire connection)
White	1-Bit Bus Data	Blue/White
Black	1-Bit Bus Ground	Black
Blue	1-Bit Bus Ground	Black
Red	Not Used	

Step #1



Step #2



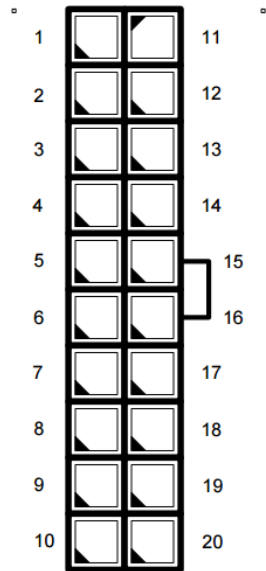
Coyote RT Cig Lighter Adapter Power Cable

Cable Specifications:

- >Length: approx. 60 inches
- >Type: As seen below—jacketed, non-shielded
- >Gauge: 20 awg
- >Conductors: as specified in PinOut table with shown colors
- >Cig Lighter Adapter wiring:
 - a. Switch with LED where switch is connected to Pin8, white conductor
 - b. Vcc-12VDC, Fused, Pin 14, red conductor
 - c. Ground—Pin 15, black conductor
- >Cig Lighter cable entry should have strain-relief
- >20 Pin Molex--FEMALE with holding connector tab



Mating End View



Coyote RT (20-Pin Connector)

Pin	Signal	Description	Lead Color
1	none		
2	none		
3	none		
4	none		
5	none		
6	none		
7	none		
8	IN-0	Ignition	White
9	none		
10	none		
11	none		
12	none		
13	none		
14	Vcc	Constant Power	Red
15	GND	Primary Ground	Black
16	none		
17	none		
18	none		
19	none		
20	none		