



REVOLOGY



**REVOLOGY CARS 1968 MUSTANG OWNER'S MANUAL**

GT/COBRA JET 2+2 FASTBACK  
GT/COBRA JET CONVERTIBLE



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## An Important Message From Revology Cars

Congratulations and thank you for choosing Revology Cars.

Before operating your vehicle, we strongly suggest you read this guide. The more familiar you are with your vehicle's functionality and features, the better control you will have while driving.

Revology Cars continually seeks advancements in vehicle engineering and quality. Therefore, this manual contains the most current product information available at the time of writing. Because of this, your vehicle may differ from the information supplied in this owner's manual. No legal claims can be made on the basis of data in this manual. If you have any questions concerning the operation or maintenance of your vehicle, please contact Revology Cars.

Your Revology Cars vehicle is a thoughtfully engineered and meticulously hand-built automobile. Beautiful, yes, but above all, it was built to drive.

Drive it, use it, love it.

**Founder & CEO**

**Tom Scarpello**

## California Proposition 65

 **WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to [www.P65Warnings.ca.gov/passenger-vehicle](http://www.P65Warnings.ca.gov/passenger-vehicle).

## California Perchlorate Advisory

 **WARNING:** Certain components of this vehicle such as the lithium battery found in your key fob may contain perchlorate material. Special handling may apply for service or end of life disposal. See [www.dtsc.ca.gov](http://www.dtsc.ca.gov).

## About This Manual

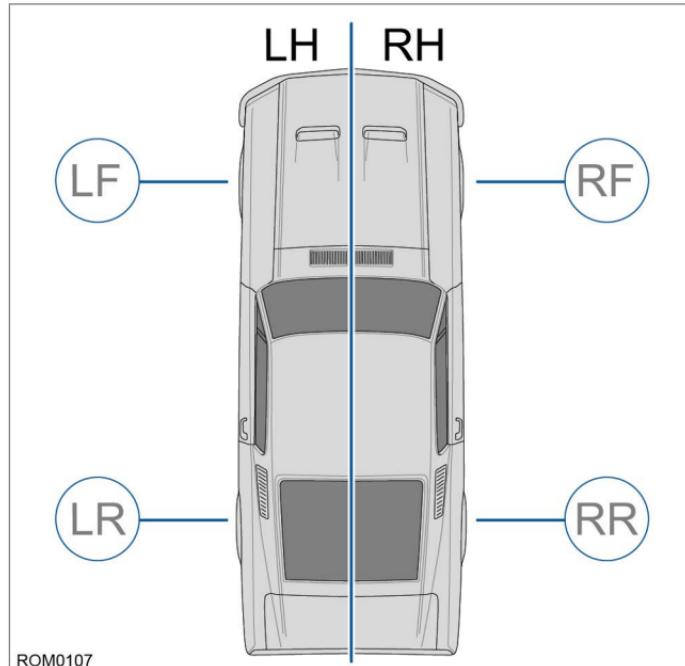
This manual covers the '68 Revology Mustang in different performance configurations.

The naturally aspirated '68 Revology Mustangs are equipped with a 460hp Ford Gen 3 5.0L Ti-VCT DOHC "Coyote" V8 engine, T-56XL 6-speed close-ratio manual transmission or 10R80 10-speed automatic transmission, 12.88" front and rear brake rotors, 6-piston front and 4-piston rear brake calipers, carbon fiber driveshaft, limited slip rear differential, and more.

The supercharged '68 Revology Mustangs are equipped with a, 710hp supercharged Ford Gen 3 5.0L Ti-VCT DOHC "Coyote" V8 engine, twin-disc clutch, 13.08" front and 12.88" rear brake rotors, carbon fiber driveshaft, limited slip rear differential, and more.

Some configurations also include differences in components and accessories, so your vehicle may not be equipped with some items covered in this manual.

## Referencing Information



The terms "right" or "left" refer to the driver's right or left while seated in the driver's seat.

## Useful Information For Safe Driving

This manual contains two important words, which require extra attention while reading.

**WARNING:** Indicates something that could injure you or others.

**CAUTION:** Indicates things that could damage your vehicle.

Please read this manual carefully and completely, before operating this vehicle. Regular inspections and proper maintenance, along with good driving skills, help you safely enjoy the capabilities and the reliability of this vehicle.

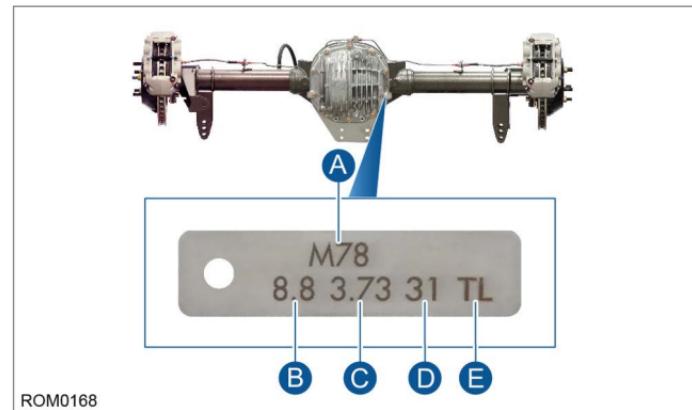
Disregarding the aforementioned, however, may invalidate the vehicle's warranty.

## Parts and Accessories

**CAUTION:** Only use Revology Cars approved parts and accessories for your vehicle. Parts and accessories for your vehicle have been checked and proven for performance and suitability. Revology Cars is unable to accept any liability whatsoever for parts and accessories which have not been approved for your Revology Cars vehicle.

Contact Revology Cars if you have any questions about compatible parts and accessories for your Revology Cars vehicle.

## Rear Axle Identification



The axle and differential type can be determined by decoding the axle tag affixed to the differential cover.

### A. Vehicle Variant

M78 = Mustang 1967-1968

### B. Axle Housing Size

Ring gear diameter (8.8")

### C. Gear Ratio

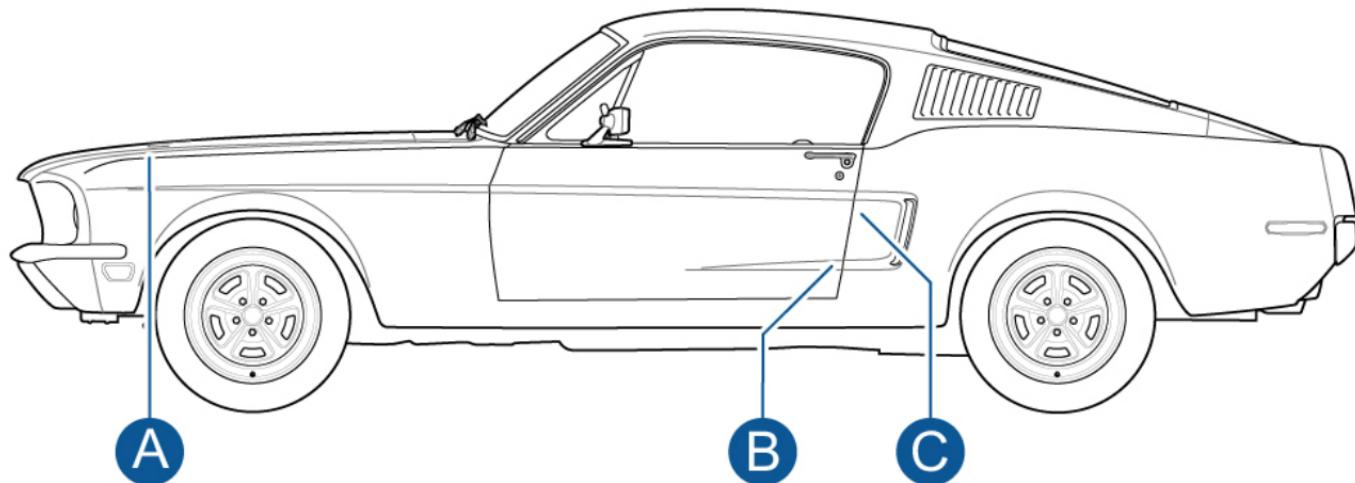
### D. Axle Splines

### E. Differential

TL = Traction-Lok

## Identification Number Locations

### Vehicle Identification Number (VIN)



ROM0113

The VIN information is located in different locations on the vehicle, depending upon the type of registration process used upon the initial sale of your Revology Cars vehicle. Do not alter or remove the VIN information, as it is the legal identifier for your vehicle.

Registration Type	VIN Location		
	A - (Apron)	B - (Door)	C - (B-Pillar)
Replica	Plate	No	No
Original	Stamp	Plate	Depends upon state of registration

## General Safety Precautions

- This is a performance vehicle and should be treated with extreme caution.
- Read all additional warnings and instructions in this owner's manual before operating your Revology Cars vehicle.
- Never permit another individual to drive your Revology Cars vehicle without proper instruction.
- Never use alcohol or mind-altering drugs before operating your Revology Cars vehicle.
- Persons unwilling or unable to take responsibility for their actions should not drive a motor vehicle. You assume all responsibility while operating a motor vehicle. The seller assumes no liability for misuse or operator negligence.
- Your safety depends in part on the good mechanical condition of your Revology Cars vehicle. Be sure to follow the maintenance schedule contained in this manual. Be sure you understand the importance of checking all items thoroughly before driving.
- Modifications to the vehicle may render the vehicle unsafe and may cause severe personal injury or to others. Revology Cars LLC is not liable for non-approved modifications.

## Important Operating Information

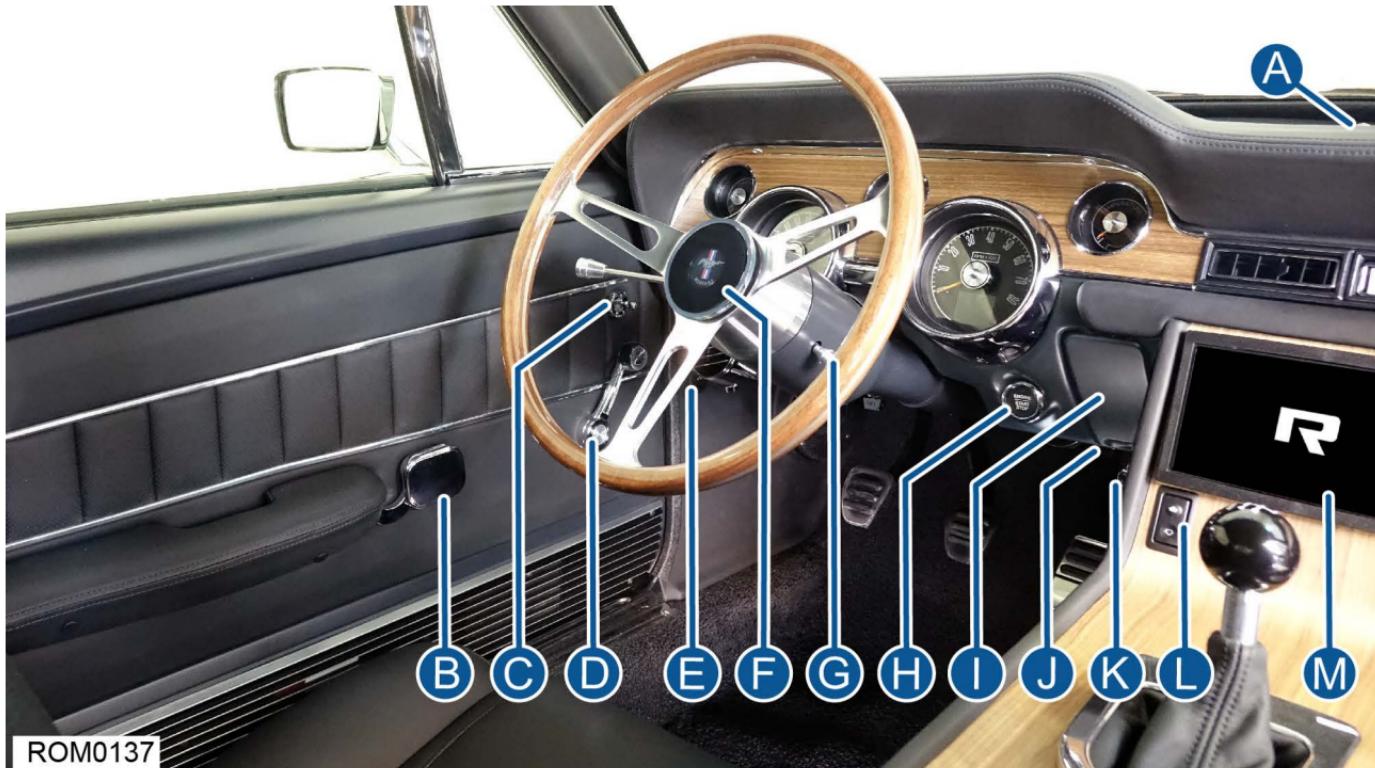
Several operating considerations are listed below:

- Always set the parking brake when parking your vehicle.
- Always be sure the Start/Stop button is in the OFF mode before walking away from your vehicle.

## General Safety Precautions

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## Interior Controls Overview (A)



**A. Automatic Headlamp System Sensor**

For description and operation, see “[Automatic Headlamp System](#)”, on page 3.19.

**B. Door Handle****C. Left Side Mirror Remote****D. Window Lever**

For description and operation, see “[Power Window Levers](#)”, on page 3.15.

**E. Trunk Release Button**

For description and operation, see “[Remote Trunk Release](#)”, on page 4.8.

**F. Horn****G. Hazard Flasher knob**

For description and operation, see “[Hazard Flashers](#)”, on page 3.21.

**H. Push Start/Stop Button**

For description and operation, see “[Engine Start/Stop Button](#)”, on page 4.1.

**I. Ash Tray and Cigar Lighter (12-Volt Accessory Socket)**

For description and operation, see “[Ash Tray and Cigar Lighter \(12-V Accessory Socket\)](#)”, on page 3.16.

**J. Automatic Headlamp Temporary Cancellation Button**

For description and operation, see “[Automatic Headlamp Cancellation Button](#)”, on page 3.19.

**K. Windshield Wipers and Washer Knob**

For description and operation, see “[Windshield Wipers and Washer Knob](#)”, on page 3.11.

**L. Window Control Switch**

For description and operation, see “[Power Windows](#)”, on page 3.15.

**M. Head Unit with Reverse Camera (if equipped)**

For entertainment system options, see “[Entertainment System](#)”, on page 3.12.

## Interior Controls Overview (B)



**A. Climate Controls**

For description and operation, see “[Climate Controls](#)”, on [page 3.10](#).

**B. Parking Brake**

For description and operation, see “[Parking Brake](#)”, on [page 4.11](#).

**C. Fog Lamps (if equipped)**

For description and operation, see “[Fog Lamps \(if equipped\)](#)”, on [page 3.21](#).

**D. Headlamp and Interior Light Switch**

For description and operation, see “[Headlamp and Interior Lamp Switch](#)”, on [page 3.17](#).

**E. Tilt Column Lever**

For description and operation, see “[Windshield Wipers and Washer Knob](#)”, on [page 3.11](#).

**F. Turn Signal Lever (with Headlamp High Beam Button)**

For description and operation, see “[Turn Signal Lever \(w/headlamp high beam button\)](#)”, on [page 3.18](#).

**G. Shifter**

Your shifter and its operation is determined by the type of transmission installed in your vehicle:

- Manual - T56XL 6-speed (shown).
- Automatic - 10R80 10-speed.

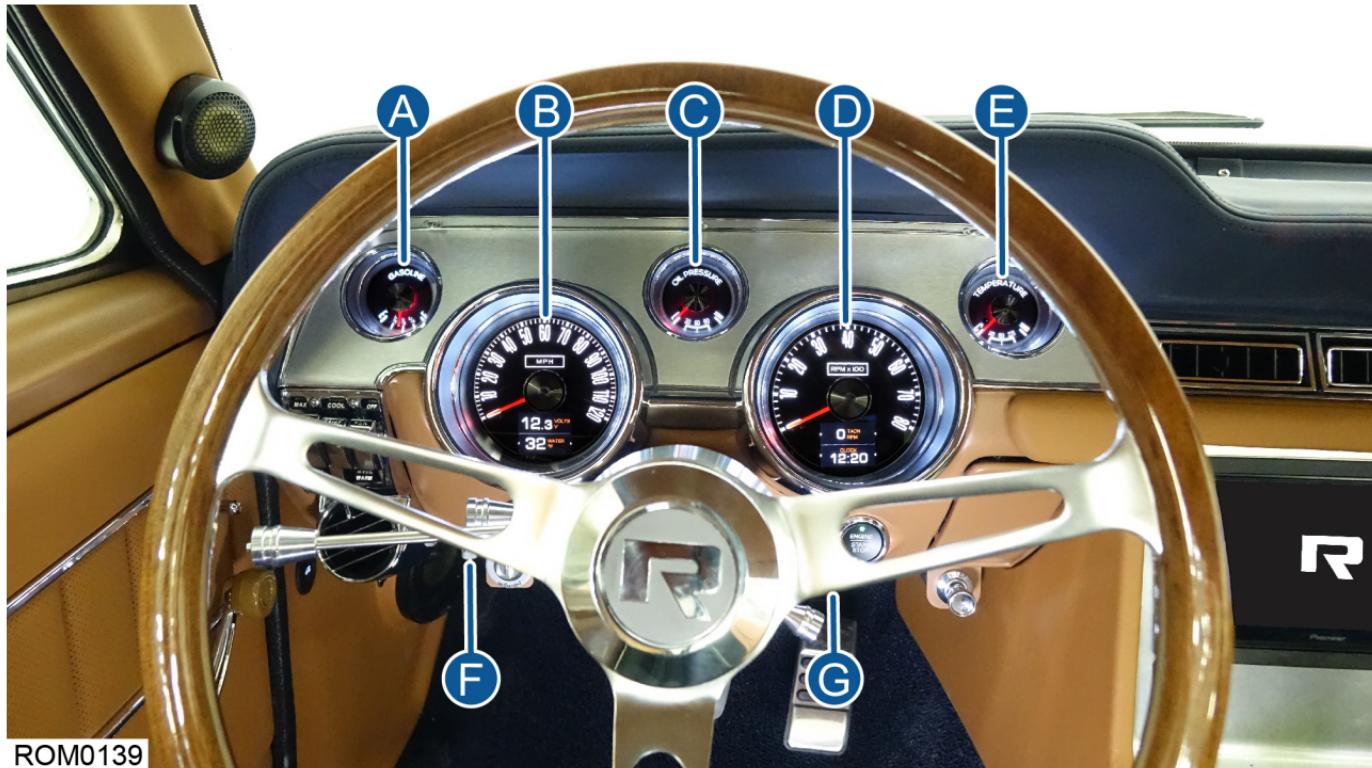
**H. Center Console Storage (if equipped)**

If your vehicle is equipped with a center console, the storage compartment will contain:

- Door lock switch.
- USB-A and USB-C port.
- Convertible top switch (convertibles only).
- Rear window switches (convertibles only).

For description and operation, see “[Center Console \(if equipped\)](#)”, on [page 3.22](#).

## Gauge Overview



ROM0139

**A. Fuel Gauge**

Indicates fuel level in the fuel tank.

**B. Speedometer / Odometer**

Indicates vehicle speed.

*Note: A Revology Cars vehicle could be equipped with a MPH or KM/H speedometer/odometer depending upon the region it's being ordered for.*

**C. Oil Pressure Gauge**

Indicates engine oil pressure.

*Note: Unlike an OEM vehicle (which shows average oil pressure), the oil pressure gauge on your Revology Cars vehicle shows real-time oil pressure. The oil pressure display can show +100 psi when the engine oil is cold (oil viscosity is higher) and oil pressure as low as 30 psi at an idle when the engine is hot (oil viscosity is lower). Those are normal operating ranges.*

**D. Tachometer**

Indicates the engine speed in revolutions per minute (RPM x 100).

**CAUTION:** Do not exceed 7500 RPM (engine redline).

**E. Temperature Gauge**

Indicates engine coolant temperature.

*Note: Unlike an OEM vehicle (which shows average coolant temperature), the coolant temperature gauge on your Revology Cars vehicle shows real-time coolant temperature. The normal*

*operating range can be approximately between 190-220°F (87-104°C), depending upon conditions.*

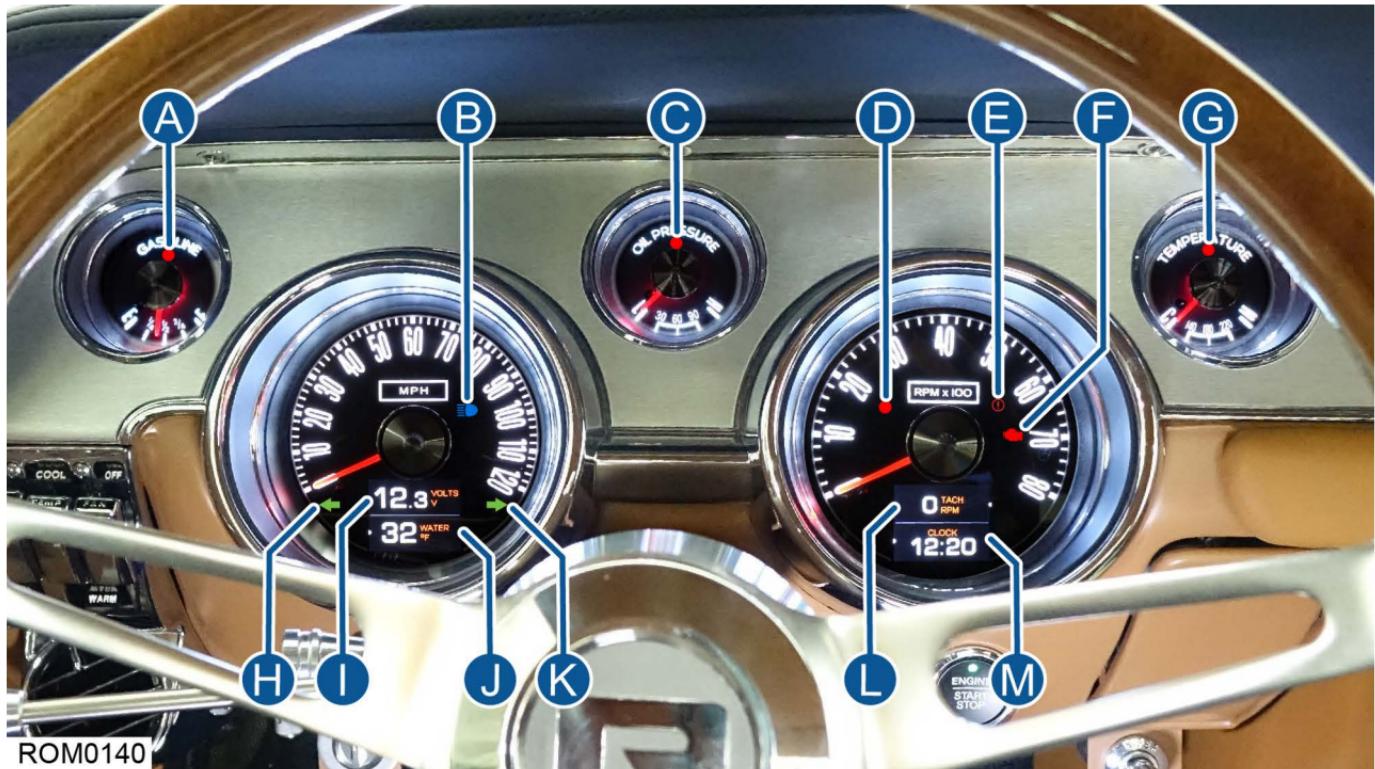
**F. Gauge Lamp Dimmer Control**

For description and operation, see ["Gauge Lamp Dimmer Control", on page 3.20.](#)

**G. Gauge Function Rocker Switch (bottom of dash)**

For description and operation, see ["Gauge Function Rocker Switch", on page 3.20.](#)

## Dash Lights Overview



**A. Low Fuel Warning Indicator**

Illuminates when fuel level drops below 1/8th of a tank (approximately 2 gallons).

**B. Headlamp High Beam Indicator**

Illuminates when the high beams are **ON**.

**C. Oil Pressure Warning Indicator****D. Up-Shift / RPM Warning Indicator**

Illuminates when the engine reaches 7000 RPM.

**E. Brake Warning Indicator**

- Parking brake engaged.
- Low brake fluid level.

**F. Check Engine Indicator**

Contact customer assistance when the check engine indicator is illuminated, see "[Customer Assistance](#)", on [page 6.1](#).

**G. Coolant Temperature Warning Indicator****H. Left Turn Indicator**

Illuminates when the exterior left turn indicators are illuminated.

**I. Upper Left Quadrant Display**

Using the gauge function rocker switch you can select between showing the following displays:

- Digital speedometer.
- Volts.

**J. Lower Left Quadrant Display**

Using the gauge function rocker switch you can select between showing the following displays:

- Trip A odometer.
- Coolant temperature.
- Low fuel warning.

**K. Right Turn Indicator**

Illuminates when the exterior right turn indicators are illuminated.

**L. Upper Right Quadrant Display**

Using the gauge function rocker switch you can select between showing the following displays:

- Digital tachometer.
- Digital oil temperature.

**M. Lower Right Quadrant Display**

Using the gauge function rocker switch you can select between showing the following displays:

- Clock.
- Digital TPMS tire pressures.
- Boost (supercharged models). Indicates vacuum during light to moderate driving and boost under increased throttle.

## Climate Controls



This section describes how to use the climate controls for heating, cooling, and defrosting.

Your vehicle's climate control system features electronic controls operated by vintage-style levers.

### A. On/Off and Fan Speed Control

- All the way up position is OFF.
- Variable speed fan.
- All the way down position is max speed.

### B. Temperature Control

- All the way up position is A/C (max COOL).
- Variable temperature control.
- All the way down position is heat (max WARM).

### C. Directional Control

- Up position directs air flow to the dash vents.
- All the way down position directs air flow to the windshield vents for defrost (DEF).

## Adjusting Tilt Steering Column



ROM0020

Your vehicle is equipped with an adjustable steering column.

Pull the tilt column lever toward you to disengage the steering column lock, adjust the steering column to its preferred angle, then release the lever to lock it in position.

**WARNING:** Do not adjust the steering column when your vehicle is moving.

## Windshield Wipers and Washer Knob



ROM0040

Your vehicle is equipped with an intermittent windshield wiper system and washers.

### Wipers - Knob Positions (clicks - clockwise)

1 through 7- intermittent progressive speeds.

### Windshield Washers

- Press knob in for washer fluid spray.
- Release knob when adequate washer fluid has been dispensed.

## Entertainment System

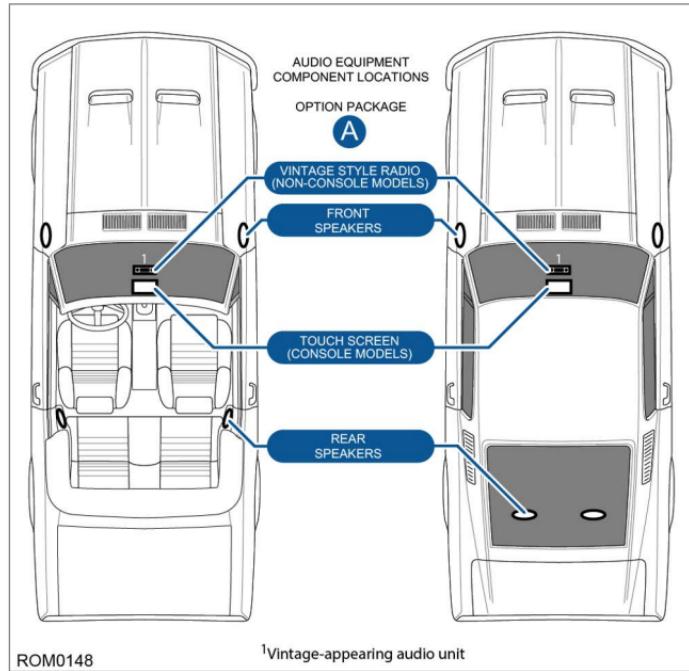
All Revology Cars vehicles are equipped with an entertainment system.

There are three different audio system packages:

- A. Standard - Touch screen head unit (on console-equipped vehicles) and four speakers or optional vintage-appearing head unit (on non-console vehicles).
- B. Premium - Touch screen head unit, premium speakers, tweeters, subwoofer, and amplifier.
- C. Premium - Touch screen head unit, premium speakers, tweeters, subwoofer, and amplifier.

The installed components vary depending upon if the vehicle is a convertible or fastback, if the vehicle was originally ordered with or without a center console, and other interior options.

## Standard Audio System



Audio system package A configuration.



ROM0024

- Pioneer seven-inch touch screen.
- Bluetooth, voice recognition, Apple CarPlay, and Android Auto.
- Reverse camera.
- Manual and tutorial videos are available online on the Pioneer website:  
<http://www.pioneerelectronics.com/PUSA/Car/NEX>

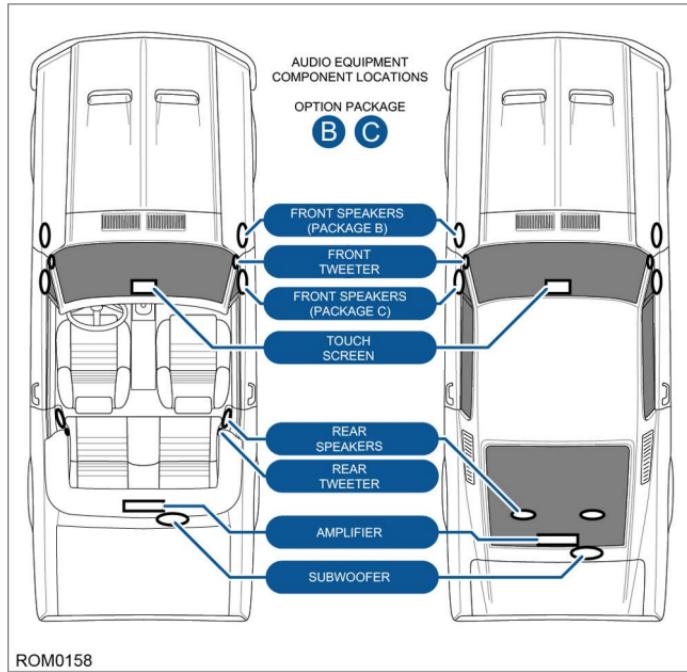
## Optional Vintage Appearing Stereo



ROM0145

- Vintage-appearing head unit (optional on vehicles ordered with console-delete) with Bluetooth functionality.
- Four speakers (mounted in the front and rear passenger compartments).
- Instruction manual provided with your vehicle.
- SlideBar 2 manual is available online on the Custom Autosound website:  
<https://customautosoundmfg.com/user-guides>

## Optional Premium Sound System



Configuration of premium audio system packages **B** and **C**.



The optional premium sound system comes with the same optional touch screen as the standard audio system.

The premium sound system includes:

- Kick-panel or door-mounted 4" Focal K2 component speakers.
- A-pillar-mounted 0.75" tweeter.
- **Convertible:** Quarter trim panel-mounted 5" speakers and 0.75" tweeters.
- **Fastback:** Rear-mounted 6.5" 2-way speakers.
- Trunk-mounted VX800/8i 800w Class D power amplifier.
- Trunk-mounted 10TW3-D8 10" enclosed subwoofer.

## Power Windows

Your vehicle is equipped with power-operated windows. The door windows are operated by factory-style levers on the doors and rocker switches located in or on the center console or center stack.

### Power Window Levers



Your door-mounted window levers operate the power windows.

- Push the lever forward (clockwise) to lower the window.
- Pull the lever rearward (counterclockwise) to raise the window.

## Power Window Switches



Your power-operated window switches are located in the center of the vehicle.

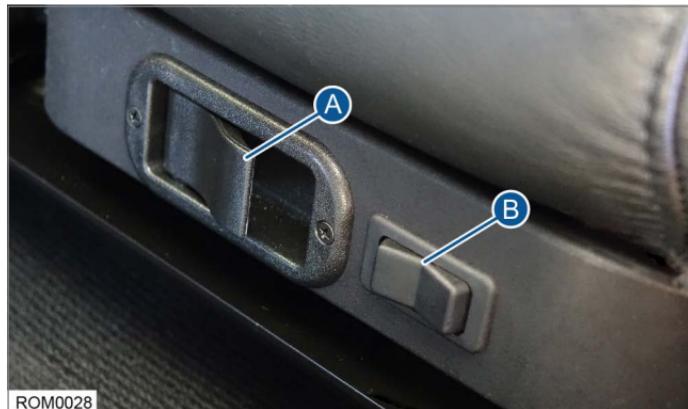
### Fastback

- With console - front window rocker switches located on console below center touch screen.
- Without console - front window rocker switches located on face of center stack (accessory pod below the dash).

### Convertible with center console

- Front window rocker switches located on console below center touch screen.
- Front window crank lever switches on door panel.
- Rear window rocker switches inside center console.

## Power Seat



ROM0028

Your vehicle seats are equipped with a backrest which is adjusted with a manually operated lever (A) and power-operated fore and aft adjustment with a power switch (B).

Both controls are located at the base of the seat frame on the forward-facing surface.

The seat backrest is operated manually. Unlock the backrest by pulling the lever, then recline or fold the backrest forward to chosen position and release the lever to re-engage the lock.

## Ash Tray and Cigar Lighter (12-V Accessory Socket)



ROM0106

Your vehicle is equipped with an ash tray and a cigar lighter. The cigar lighter socket is also a 12-Volt accessory socket, which can be used for plugging in accessories, such as a phone charger or tire inflator.

## Headlamp and Interior Lamp Switch



The headlamp and interior lamp functions are integrated in a single switch.

### Headlamps and Parking Lamps

To operate the parking lamps and headlamps, the ignition system must be in Accessory 1 or Accessory 2 mode (lights will not illuminate in the ignition system's OFF mode).

#### Switch functions

- Pull knob out to first step - For illuminating parking lamps.
- Pull knob out to second step - For illuminating headlamps.
- Push knob in - For extinguishing lamps.

### Interior Lamps

The interior lamps operate with the ignition system in all modes (including OFF mode).

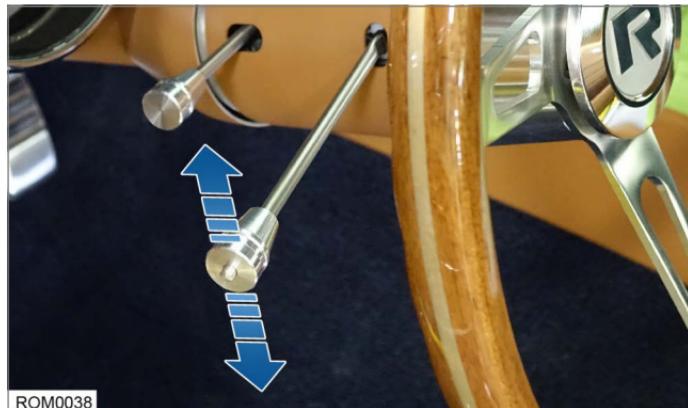
#### Switch functions

- Turn knob counterclockwise full-lock - For illuminating interior lights.
- Turn knob clockwise (off of lock) - For extinguishing interior lights.

*Note: The interior lights do not activate the chime to alert you when the door is open.*

*Note: Leaving the interior lights illuminated for an extended period of time will drain the battery. This could cause the vehicle not to start upon the next attempt.*

## Turn Signal Lever (w/headlamp high beam button)



The turn signal lever is located on the side of the steering column.

 When the turn signal lever is pushed upward, the right turn signals will flash and when the lever is pulled downward, the left turn signal will flash. When the left or right exterior turn signals flash, the corresponding turn signal indicator on the primary gauge face also illuminate.

The self-canceling feature will extinguish the turn signal automatically when the wheels return to centered driving position.

## Headlamp High Beam Button



The headlamp high beam button is located on the tip of the turn indicator lever.

To operate the headlamp high beam button, the ignition system must be in Accessory 1 or Accessory 2 mode (lights will not illuminate in the ignition system's OFF mode).



The blue high beam icon will illuminate on the primary gauge face while the high beams are illuminated.

### Switch functions

- Push button in - To switch to headlamp high beams.
- Push button in again - To switch to headlamp low beams.

## Automatic Headlamp System



ROM0031

If your vehicle is equipped with an automatic headlamp system, a light sensor will be located on top of the dashboard in the center. Do not cover the sensor. Covering the sensor will disable its light-sensing functionality.

The automatic headlamp system illuminates the headlamps whenever the Start/Stop button is engaged.

## Automatic Headlamp Cancellation Button



ROM0032

To disable the automatic headlamp system, press the automatic headlamp system cancellation button (located under the dash, to the left of the windshield wiper/washer switch). Canceling the automatic headlamp system is only temporary. The system will return to its original functionality when the vehicle Start/Stop button is cycled off and back on again.

### Gauge Function Rocker Switch



The gauge function rocker switch controls the gauge functions and display screens.

### Gauge Lamp Dimmer Control



Rotate the dimmer control knob to change the brightness of the gauge lamps.

## Fog Lamps (if equipped)

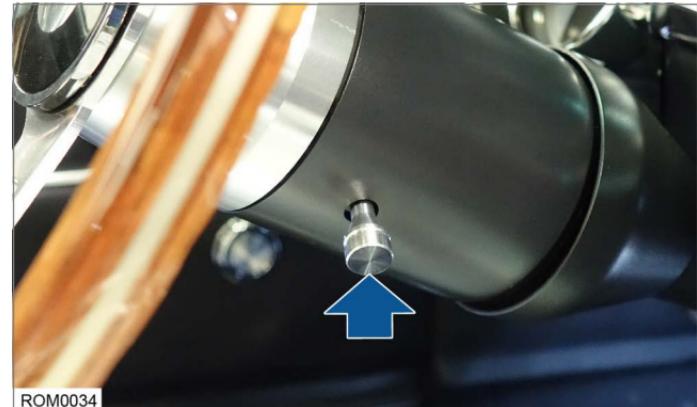


If your vehicle is equipped with fog lamps, the knob for manually controlling them is located to the right of the parking brake control knob.

### ***Fog lamp knob functions***

- Pull knob forward to illuminate the fog lamps.
- Pull knob rearward to extinguish the fog lamps.

## Hazard Flashers



The hazard flasher knob is located on the steering column.

The turn signal arrow icons on the speedometer gauge face will flash while the hazard flashers are flashing.

### ***Hazard flasher knob functions***

- Pull knob out - For activating hazard flashers.
- Push knob in - For canceling hazard flashers.

## Center Console (if equipped)



If your vehicle is equipped with a center console, the storage compartment will contain:

- Door lock switch
- USB-A and USB-C port
- Convertible top switch (convertibles only)
- Window switches (convertibles only)

## Center Stack (if equipped)



If your vehicle was ordered with “console delete”, it is equipped with a **center stack**. The center stack is located under the center of the dash and contains:

- Door lock switch
- USB-A and USB-C port
- Door window switches

## Engine Start/Stop Button



This section describes the engine Start/Stop (ignition) button functions and how to start and stop the vehicle properly.

Before reading about the functionality of the Start/Stop button, first familiarize yourself with the different operation modes.

### ***START/STOP button modes***

#### **1. OFF**

- Green LED not illuminated.
- Engine can be started from this mode, by pressing key fob unlock button, then pressing and holding START/STOP button on the dash until engine starts.

#### **2. ACC1 (accessory 1)**

- Green LED illuminated solid.
- Power to accessories (but not to the engine).
- Audible door lock sound upon power system wake-up.
- Power to accessories (stereo, windows, light, and wipers).
- Engine can be started from this mode, by pressing and holding START/STOP button until engine starts.
- ACC1 mode bypassed if engine is started from OFF mode.

#### **3. ACC2 (accessory 2)**

- Also known as RUN mode.
- Green LED illuminated solid.
- Power to engine and accessories.
- Air conditioning controls powered (but hot or cold air will not change temperature unless engine is running).
- Audible engine fuel pump sound upon wake-up.
- Engine can be started from this mode, by pressing and holding START/STOP button until engine starts.

## Starting the Engine (automatic transmission)

Use the following instructions to start and stop your vehicle's engine. The process is dependent upon your vehicle's transmission type.

### To start the engine

1. Shift transmission into PARK.
2. Press key fob unlock button (green LED on).
3. Press and hold brake pedal (green LED will start flashing).
4. Push and hold START/STOP button until engine starts.

*Note: If the START/STOP button is not pressed within 30 seconds, the ignition will timeout and the LED will extinguish. If this happens, start the process over again.*

### To stop the engine

1. Shift transmission into PARK.
2. Press and hold brake pedal.
3. Push and hold START/STOP button until engine stops.

*Note: If dash lights remain on, press START/STOP button again to shut off accessories completely.*

## Starting the Engine (manual transmission)

Use the following instructions to start and stop your vehicle's engine. The process is dependent upon your vehicle's transmission type.

### To start the engine

1. Press key fob unlock button (green LED on).
2. Press and hold brake pedal and clutch pedal simultaneously (green LED will start flashing).
3. Push and hold START/STOP button until engine starts.

*Note: If the START/STOP button is not pressed within 30 seconds, the ignition will timeout and the LED will extinguish. If this happens, start the process over again.*

### To stop the engine

1. Press and hold brake pedal.
2. Push and hold START/STOP button until engine stops.

*Note: If dash lights remain on, press START/STOP button again to shut off accessories completely.*

## Stalled Vehicle

If the vehicle is stalled, the engine may not restart by following the preceding instructions, as the keyless start system may "think" the engine is still running.

1. Hold brake and START/STOP button until the gauges and radio power off.
2. Press key fob unlock button (green LED on).
3. Press and hold brake pedal (green LED will start flashing).
4. Push and hold START/STOP button until engine starts.

*Note: If the START/STOP button is not pressed within 30 seconds, the ignition will timeout and the LED will extinguish. If this happens, start the process over again.*

## IMPORTANT - AVOID HAVING A DEAD BATTERY



When exiting the vehicle, you must verify it is in OFF mode by confirming the red engine icon on the dash is not illuminated and the door chime is not chiming when the door is open. If the vehicle is not in the OFF mode, the system will continue to drain the battery. This could cause the vehicle not to start upon the next attempt.

## Emergency Start Bypass Card

If the car has electrical power, but the LED on the START/STOP button will not illuminate green, you should check, ["Keyless System Erratic Behavior", on page 4.6](#).

If you have performed all the troubleshooting tasks and the vehicle will not start, use the instructions on the Emergency Bypass Card which was provided with the vehicle from the factory. The series of button presses utilizes the little red button located in the glove box.

## Emergency Bypass Card Process

1. Press the unlock button on the key fob to arm the system.
2. Depress and hold the brake pedal (continue holding until step 8).
3. Press the Programming Button (small red button located in the glove box) 10 times. The LED on the START/STOP button will start flashing fast.
4. Using the specific 4-digit PIN# from your Emergency Bypass Card. Enter the 1st number by pushing the red button the number of times equal to the first PIN number.  
The LED on the START/STOP button will go off for one second after each number of the PIN has been entered, indicating the system has accepted the first number.
5. Enter the 2nd PIN in the same manner.
6. Enter the 3rd PIN in the same manner.

## General Operation

7. Enter the 4th PIN in the same manner.

After the 4th PIN number is added, the START/STOP button LED will illuminate solid, showing the system is ready.

8. Take your foot off the brake pedal.

9. Depress and hold the brake pedal again.

10. Depress and hold the START/STOP button until the engine starts.

*Note: If this works to start the engine and you have not replaced the key fob battery, the key fob battery is probably the culprit.*

To replace the key fob battery, see [“Key Fob Battery Replacement”, on page 4.9.](#)

*Note: When you replace the key fob battery in one key fob, it's suggested to replace the battery in both key fobs at the same time.*

## Remote Keyless Entry - Proximity Key

Your vehicle is equipped with a remote keyless entry system with proximity key. The key fob must present in the vehicle in order to start the engine.



ROM0021

### A. Lock/Arm

- Press lock button once to lock door locks.

### B. Unlock/Disarm and Trunk Release

- Press unlock button once to unlock door locks.
- Press unlock button twice, then hold for 3.5 seconds to release the trunk latch.

### Keyless System Manual Mode (default from the factory)

The keyless system for your vehicle was originally delivered in **Manual Mode**. This mode allows the key fob(s) to be left inside the vehicle for extended periods of time and will not drain the battery on the key fob or the vehicle.

Press the unlock button once to activate (wake up) the system.

- Within five seconds, press the Start/Stop button to start the engine.
  - or -
- If you don't start the engine within five seconds, the system will go back to sleep.

*Note: It is not advised to place the key fob inside of any type of metal container or cup holder, as the metal may shield the fob's signal, causing the keyless system to "think" the key fob is no longer in the vehicle.*

### Keyless System Automatic Mode

The keyless system's **Automatic Mode** is not the default factory setting and must be set by the user.

- The keyless system continuously scans the proximity for a key fob.
- If the keyless system detects a key fob present, the system will "wake up" and prepare for an engine start (via the Start/Stop button).

# General Operation

**Note:** The key fob(s) should NOT be left inside the vehicle if it is in Automatic Mode, because having the key fob in the vehicle without starting the engine will cause the system to continuously stay "awake". This will prematurely discharge the battery in the car and in the key fob.

## To check the keyless system mode

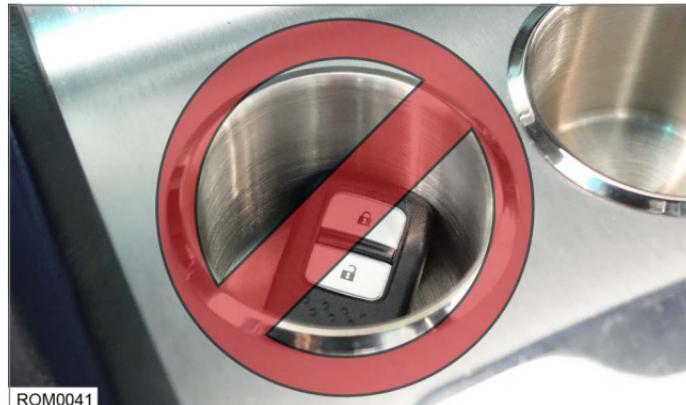
1. For approximately six seconds, simultaneously push and hold BOTH the lock and unlock buttons on the fob until its LED (located next to the lock button) stops illuminating.
2. Release both buttons and observe how many times the fob's LED flashes.
  - 3 Flashes = Automatic Mode.
  - 5 Flashes = Manual Mode.

## To change the keyless system mode

1. For approximately six seconds, simultaneously push and hold BOTH the lock and unlock buttons on the fob until its LED (located next to the lock button) stops illuminating.
2. Release both buttons and observe how many times the fob's LED flashes.
  - 3 Flashes = Automatic Mode.
  - 5 Flashes = Manual Mode.
3. After observing the fob's LED flashes (designating the desired mode), immediately press and hold both the lock and unlock buttons again, until you observe the fob's LED start to flicker. The flicker indicates that the mode has changed.

## Keyless System Erratic Behavior

If your vehicle's keyless system is experiencing erratic behavior:



ROM0041

- confirm the key fob is not in a metal container or cup holder, shielding the key fob's signal.
- the key fob's battery may need to be replaced. For instructions, see ["Key Fob Battery Replacement"](#), on page 4.9.

## Door Lock/Unlock

Your vehicle is equipped with power door locks. You can use your power door lock switch or your key fob remote control to unlock your doors at any time (when vehicle is parked or while vehicle is moving).

### Key Fob



ROM0017

Momentarily press the (A) lock or (B) unlock buttons on key fob to lock or unlock the doors.

For key fob battery information, see ["Key Fob Battery Replacement", on page 4.9](#).

### Rocker Switch



Momentarily press the LOCK or UNLOCK side of the rocker switch to lock or unlock the doors.

- Console-equipped vehicles - Rocker switch located inside center console compartment.
- Center stack-equipped vehicles - Rocker switch located on the face of center stack.

## Remote Trunk Release

Your vehicle is equipped with a modern trunk latch and release mechanism for superior performance and reliability. The security system doesn't use a standard key-operated lock on the decklid.

### Key Fob



ROM0016

1. Press the key fob unlock button once to unlock the doors.
2. Press and hold the key fob unlock button for 3-5 seconds to open trunk.

*Note: Pressing and holding the unlock button without unlocking the doors first will cause the parking lights to flash, without opening the trunk.*

### Remote Button



The trunk release button is located in the left kick panel. The button operates when the vehicle is in **OFF** or accessory modes. The icon on the button illuminates when the ignition is in accessory **ON** modes.

## Key Fob Battery Replacement



ROM0218

*Note: Perform the battery replacement process with the lock and unlock buttons facing down.*

1. Slide the tab to release the key.
2. Slide the key from the key fob.



ROM0219

3. Fit a screwdriver tip between the two tabs inside the key fob.



ROM0220

4. Turn the screwdriver clockwise to spread the key fob case apart.



5. Replace the key fob battery. Battery - CR2032.
6. Confirm the key fob internals are seated properly and then snap the case back together.

## Parking Brake



ROM0018

This section describes how to use the electronic parking brake.

To operate the parking brake, the ignition system must be in Accessory 1 or Accessory 2 mode (it will not operate in the ignition system's OFF mode).



The red brake warning icon will illuminate on the primary gauge face while the parking brake is engaged.



The CHECK BRAKE warning message will display on the primary gauge face while the parking brake is engaged.

*Note: The state of the parking brake cannot be changed manually. The parking brake requires battery power to engage and it requires battery power to disengage.*

### To engage the parking brake:

1. Press and hold brake pedal.
2. Turn parking brake knob clockwise to the ON position.  
You will hear the parking brake engage.

### To disengage the parking brake:

1. Press and hold brake pedal.
2. Turn parking brake knob counterclockwise to the OFF position.  
You will hear the parking brake disengage.

## Fuel and Refueling

**WARNING:** Do not overfill the fuel tank. Overfilling the fuel tank may cause fuel leakage, fuel spray, or vapors, which can ignite and burn violently and can cause injury or death.

**WARNING:** Mishandling fuel can cause injury or death.

**WARNING:** Follow the listed guidelines below to help avoid injuries to you and to others:

- Read and obey all instructions posted around the island at the gas station.
- Turn the engine OFF when refueling.
- Keep sparks, flames, and lit smoking materials away from fuel.
- Avoid using electronic devices (including cell phones) while refueling.
- Do not leave the gas nozzle unattended while refueling (including entering the vehicle).
- Do not allow children to refuel your vehicle.
- Touch a metallic object to discharge yourself from static electricity, before touching the fuel nozzle.

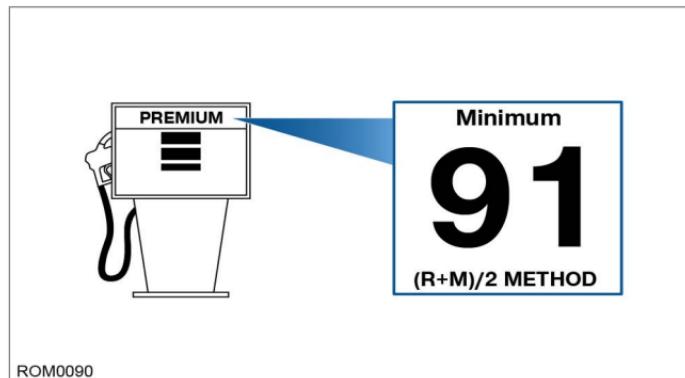
**WARNING:** Fuel may contain benzene, which is known as a cancer-causing agent.

**WARNING:** Avoid breathing in fuel vapors.

**WARNING:** Avoid getting fuel on your skin, wash with soap and water immediately.

**WARNING:** Avoid getting fuel in your eyes. If fuel splashes in your eyes, immediately remove contact lenses (if worn), and flush with water for at least 15 minutes and seek medical attention. Failure to seek medical attention could lead to permanent injury.

## Use the Correct Fuel



ROM0090

Use only premium unleaded gasoline with a posted minimum pump  $(R+M)/2$  octane rating of 91.

Using the correct fuel is an important part of properly maintaining the engine and fuel system of your vehicle. Slight knocking occurs under load when using fuel with octane 91 (or lower). If heavy knocking is heard when using 91 octane (or higher), have your vehicle serviced right away.

**Do not use:**

- Diesel fuel.
- Fuels containing kerosene or paraffin.
- Fuels labeled E85 or FlexFuel.
- Fuel containing ethanol levels greater than 15% by volume.
- Fuels containing metallic-based additives, including manganese-based compounds.
- Octane booster or fuels containing booster additive, methylcyclopentadienyl manganese tricarbonyl (MMT).
- Leaded fuel (using leaded fuel is prohibited by law).

**Low Fuel Warning**

When your fuel level gauge needle is on **E** (empty), the low fuel warning message will display on the speedometer and low fuel warning light on the fuel gauge will illuminate.

**Fuel Capacity**

Your Revology Cars vehicle is equipped with a 16.5-gallon fuel tank.

**Refueling**

1. To access the fuel cap, push release tab upwards.
2. Slowly lower fuel cap cover onto rear bumper.



3. Turn fuel cap counterclockwise to remove the cap.

## Convertible Top (if equipped)

**WARNING:** While operating the convertible top, stay clear and be aware of all pinch points of the convertible top mechanism to avoid personal injury.

**CAUTION:** Ensure that the area behind the rear seat is clear of any objects or obstructions, or damage to the convertible top may occur.

**CAUTION:** Do not open or store the convertible top when it is dirty or wet. Damage, staining, and/or mildew of the top fabric may occur.

### Lowering the Convertible Top

1. Stop your vehicle and set the parking brake.



2. Partially lower all side windows approximately one-inch.



3. Pull top latch lever located on the left side rail to release the convertible top latch from the windshield header. Repeat process to release the right side.



4. Press the power top switch (located in the center console) to raise the convertible top one-inch off the windshield header, then close latch levers (left and right) to prevent damaging the top fabric.

## Raising the Convertible Top

1. Stop your vehicle and set the parking brake.



2. Partially lower all side windows approximately one-inch.



3. Press the power top switch (located in the center console) to raise the convertible top until it seats on the windshield header.



4. With latch left handle open, hook latch J-hook (1) to header, then pull down on top while closing latch handle (2). Repeat process to close the right side.

## Fold Down Rear Seat Operation

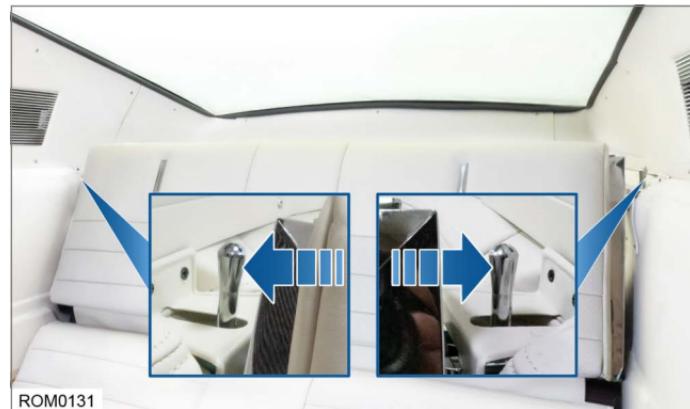
**WARNING:** Before performing any operation inside the vehicle, ensure that the vehicle is parked on a level surface, the engine is turned off, and the parking brake is engaged. Always follow proper safety precautions to avoid injury or damage to the vehicle.

**WARNING:** While folding the rear seats keep your fingers clear of the folding portions to avoid injury.

**CAUTION:** Ensure that the area around the rear seats is clear of any objects or obstructions.

### Folding the Rear Seat Down

1. Adjust the front seats forward to provide ample space for accessing the rear seats.



ROM0131

2. Locate the rear seat latches, located on the top of each side of the seat on the quarter panel trim.

At the same time, push both of the latch handles towards the outside of the car to release the latch mechanisms.



ROM0128

3. With the rear seat latches released, gently pull the rear seat forward to start lowering it.



5. When the seat is folded down completely, the rear seat converts into a cargo deck.



ROM0129

4. Continue pulling the rear seat forward.

## Folding the Rear Seat Up



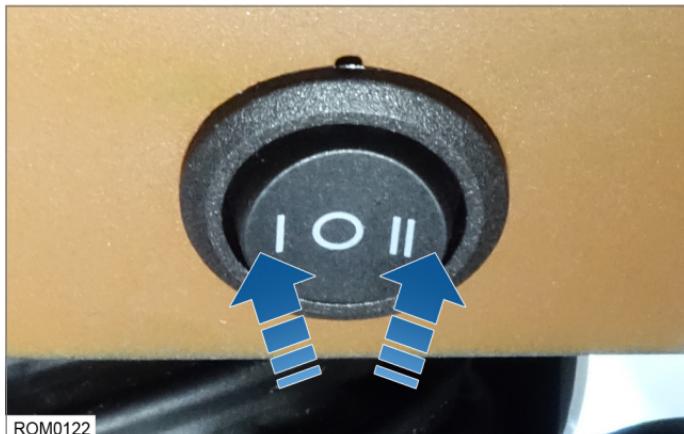
To return the rear seats to their upright position, simply lift the rear seat until the left and right latches click into place.

**WARNING:** While folding the rear seats keep your fingers clear of the folding portions to avoid injury.

**WARNING:** Confirm that both latches are securely locked before driving your vehicle to avoid injury.

**CAUTION:** If you encounter any difficulty or unusual resistance while folding or unfolding the rear seats, consult Revology Cars for assistance.

## Gauge Function Rocker Switch Operation



This section describes how to use the gauge function rocker switch, which allows you to make adjustments and choose what gauges are displayed on the main gauge faces.

Before explaining the functionality of the gauge function rocker switch, first familiarize yourself with the following terminology of its operation. These terms will be widely used throughout this section to explain how to navigate the gauges and make selections.

### ***Rocker switch operation terminology***

- Rock (Left or Right) - A quick momentary push of the switch to the left or right.
- Hold (Left or Right) - A push of the rocker switch to the left or right and hold until prompted on-screen to RELEASE.

### ***Rocker switch functions***

- Rock Left - For scrolling through the gauge options and making adjustments.
- Rock Right - For making adjustments to the clock (when in the clock setting mode) or selecting from three different digital gauge layouts.
- Hold Left - For entering SET and RESET modes.
- Hold Right - For entering SET and RESET modes.

## Clock

Your vehicle is equipped with a clock, displayed on the face of the tachometer. It can be displayed in quadrant-mode (as shown) or in the default-mode (with the trip odometer).

### Setting the Clock

Use the following instructions for setting the time on the clock:



1. With the clock display visible, rock the gauge function rocker switch to the left until the pointers are only pointing to the clock.



2. Hold the rocker switch left. The screen will display "HOLD TO SET". Continue to hold, then release the button when "RELEASE" shows on the screen.



3. The hour display will start flashing. Rock the switch left once to decrease the hour by one. Rock the switch right once to increase the hour (by default, it resets the number to 1). Continue rocking the switch left or right until the hour is correct.



4. Hold the rocker switch left. The screen will display "HOLD TO SET". Continue to hold, then release the button when "RELEASE" shows on the screen.



5. The minutes display will start flashing. Rock the switch left once to decrease the minute by one. Rock the switch right once to increase the minute by one).

6. Hold the rocker switch left. The screen will display "HOLD TO SET". Continue to hold, then release the button when "RELEASE" shows on the screen.

## Trip Odometer

Your vehicle is equipped with a trip odometer, displayed on the face of the speedometer. It can be displayed in quadrant-mode (as shown) or in the default-mode (with the clock).

### Resetting the Trip Odometer

Use the following instructions for resetting the trip odometer:



1. With the trip odometer display visible, rock the gauge function rocker switch to the left until the pointers are only pointing to the trip odometer.



2. Hold the rocker switch left. The screen will display "HOLD TO CLEAR". Continue to hold, then release the button when "RELEASE" shows on the screen.

## TPMS



Your Revology Cars vehicle is equipped with a Tire Pressure Monitoring System (TPMS). The system utilizes sensors attached to the wheels to monitor the air pressure in your tires.

Check your tire pressure regularly (at least monthly) when they are cold and inflate to the recommended tire pressure (32 psi).

TPMS is a safety feature that monitors the air pressure in each individual tire. The TPMS display on the gauge face shows four tire icons with the individual tire pressures shown adjacent to each tire icon.



If any of the tires on your vehicle reach an unsafe pressure (under 25 psi or over 34 psi), the TPMS will override your gauge selection on the main gauge to warn you. The warning will be shown as a flashing pressure reading adjacent to the tire that is at an unsafe pressure.

The TPMS sensor readings will automatically return to normal when the tire pressure is addressed (the tire pressure warning is not stored in the system, so it does not need to be reset).

The TPMS requires the vehicle to be moving approximately 25 mph to start displaying the tire pressures on the dash (some sensor signals take longer than others to display, so it is normal to have the tire pressures start displaying at different times). Once the tire pressures display on the dash screen, they will continue to display until you power off the vehicle. Upon starting the vehicle, the TPMS system will require the vehicle to reach speeds of 25 mph to start displaying again.

## Transmission

### Manual Transmission (if equipped)

**CAUTION:** Ensure to fully depress the clutch pedal to the floor to avoid increased shift efforts, premature wear of transmission components, or damage to the transmission.

**CAUTION:** Avoid resting your foot on the clutch pedal while driving or using it to hold the vehicle on a hill, as these actions can decrease the clutch's lifespan and may void warranty claims related to the clutch.

*Note: The engine will not start without the key inside the vehicle. Manual transmission vehicles have a starter interlock that requires the clutch pedal to be fully pressed before cranking the engine.*

#### To Start the Vehicle:

1. Ensure the parking brake is fully engaged.
2. Depress the brake pedal while also depressing the clutch pedal fully to the floor.

*Note: For safety, we recommend also placing the gearshift lever in neutral.*

3. Start engine.
4. Press the brake pedal and shift the gearshift lever to the desired gear (first or reverse).
5. Release the parking brake, gradually release the clutch pedal while gently pressing the accelerator.

*Note: Always fully depress the clutch pedal to the floor during each shift. Ensure the floor mat is correctly positioned to avoid interference with the clutch pedal's full extension.*

**WARNING:** If the vehicle has a manual transmission, never get out of the vehicle without first moving the shift lever into 1st or R (reverse), setting the parking brake and turning the ignition off. The vehicle can roll, which could cause serious injury or death.

#### Reverse

*Note: Your manual transmission Revology Vehicle is equipped with a reverse gear locking solenoid. This feature is designed to prevent the driver from accidentally selecting the reverse gear while driving. It locks the reverse gear while the vehicle is in forward motion. You must come to a complete stop before selecting the reverse gear.*

1. Press the clutch pedal to the floor to disengage clutch.
2. Shift into Reverse (R) by moving the shift lever fully to the right, then forward.

### Automatic Transmission (if equipped)

**WARNING:** Always fully apply the parking brake and make sure you shift into Park (P). Failure to follow this instruction could result in personal injury or death.

**WARNING:** Do not apply the brake pedal and the accelerator simultaneously. Applying both pedals simultaneously for more than a few seconds will limit engine performance, which may

# General Operation

result in difficulty maintaining speed in traffic and could lead to serious injury.

## Understanding the Positions of Your Automatic Transmission

### Putting your vehicle in gear:

1. Fully press down the brake pedal.
2. Press and hold the button on the top of the gearshift lever.
3. Move the gearshift lever into the desired gear.
4. Release the button and your transmission remains in the selected gear.

### Transmission Selector Positions

*Note: The instrument cluster displays the current gear.*

#### Park (P)

Engage Park (P) when you want to lock the transmission, preventing the rear wheels from turning. Always come to a complete stop before shifting into or out of Park (P).

#### Reverse (R)

Select (R) to move your vehicle backward. Remember to stop completely before shifting into or out of Reverse (R).

#### Neutral (N)

Neutral (N) allows you to start the vehicle, and it permits free rolling. Keep the brake pedal pressed down while in Neutral (N).

#### Drive (D)

Drive (D) is the standard driving mode, optimizing fuel efficiency. The overdrive function enables automatic upshifts and downshifts across all gears.

#### Sport (S)

Putting your Revology Vehicle in Sport (S):

- Enhances engine braking and extends lower gear operation for improved performance on uphill climbs, hilly terrain, or mountainous areas. This increases engine RPM during braking.
- Adjusts the automatic transmission shift strategy for additional lower gear operation.
- Enables quicker gear upshifts and downshifts at higher engine speeds for enhanced responsiveness.

By understanding and using these gear selections appropriately, you can maximize your vehicle's performance and safety.

## Breaking In

There is a break-in period to get the best performance and longer life of a vehicle's new equipment (engine, clutch, brakes, and tires).

### Engine

Your vehicle is equipped with a current production Ford engine that requires a minimal break-in period of 1000 mi (1600 km), which encompasses the following:

- Avoid full-throttle starts.
- Do not exceed 4,000 engine RPM.
- Vary your engine speed.
- Shift up into gears early to keep the RPMs low.
- Do not labor the engine.

### Clutch

A new clutch requires a minimal break-in period of 500 mi (800 km), which encompasses the following:

- Avoid heavy use and full-throttle starts.
- Avoid using the clutch and transmission to abruptly slow the vehicle's speed.
- Shift up into gears early.

*Note: These practices apply to your purchased-new vehicle and anytime a new clutch is installed.*

## Brakes

New brake pads (linings) require a minimal break-in period of 200 mi (320 km), which encompasses the following:

- Avoid heavy use (making hard stops).
- For best braking performance, follow "Brake Pad and Rotor Bedding Steps" found at [wilwood.com](http://wilwood.com).

*Note: These practices apply to your purchased-new vehicle and anytime new brake pads and rotors are installed.*

### Tires

New tires require a minimal break-in period of 300 mi (500 km), which encompasses the following:

- Drive at moderate speeds.
- Avoid hard cornering.

*Note: These practices apply to your purchased-new vehicle and anytime new tires are installed.*

## Owner's Responsibilities

Listed below, are the responsibilities of the owner:

- Perform routine care and maintenance of your vehicle as detailed in this owner's manual.
- Use only Revology Cars approved parts to be sure your vehicle operates with the same performance and quality Revology Cars designed into it.
- The operator is responsible for learning and obeying all country, federal, state, and local laws governing the operations of a motor vehicle.

## Scheduled Maintenance

The required maintenance schedule that follows, specifies how often you should have your Revology Cars vehicle checked and/or serviced and what items need attention. It is essential to have your Revology Cars vehicle checked and/or serviced as scheduled to maintain safe, dependable performance.

It is recommended that you have your Revology Cars vehicle serviced every 12 months by a reputable and competent shop selected by you or suggested by Revology Cars regardless of the distance driven.

## Owner Checks and Services

We recommend the following basic maintenance checks and inspections every month, 6-month, and 12-month intervals.

### CHECK EVERY MONTH

- Engine oil level (for severe use: high engine speed, high engine loads, engine braking, and track use - check engine oil level every fuel fill-up)
- Function of all interior and exterior lights.
- Windshield washer fluid level.

### CHECK EVERY 6 MONTHS

- Battery connections. Clean if necessary.
- Body and door drain holes for obstructions. Clean if necessary. For details, see ["Body Water Drains", on page 5.47](#).
- Engine cooling system fluid level and coolant strength.
- Supercharger cooling system fluid level and coolant strength (if equipped).
- Door weatherstrips for wear. Lubricate if necessary.
- Hinges, latches, and outside locks for proper operation. Lubricate if necessary.
- Parking brake for proper operation.
- Seat belts and seat latches for wear and function.
- Washer spray and wiper operation. Clean or replace blades as necessary.

### REPLACE EVERY 12 MONTHS

- Replace both key fob batteries. For details, see ["Key Fob Battery Replacement", on page 4.9](#).

## Owner Checks and Services

We recommend having the following multi-point inspection performed at every scheduled maintenance interval.

MULTI-POINT INSPECTION
Accessory drive belts.
Battery performance.
Fluid levels; fill if necessary. (brake, coolant recovery reservoir, intercooler tank (if equipped), automatic transmission, and window washer).
Engine air filter.
Exhaust system.
Exterior lamps operation.
For oil and fluid leaks.
Hazard warning system operation.
Horn operation.
Radiator, cooler, heater, and air conditioning hoses.
Steering and linkage.
Suspension components for leaks or damage.
Tires and AirMan inflator tire sealant date.*
Washer spray and wiper operation.
Windshield for cracks, chips, or pits.

\*Vehicles not fitted with run-flat tires are equipped with a temporary mobility kit, check the tire sealant expiration. The supplied tire sealant has a shelf life of six years. To check the expiration date, read the lot number as follows: **AS** = Active Seal, 1st two numbers after the letter **T** = year of production, and 2nd two numbers = week of production. Replace as needed.

## Oil Change Intervals

We recommend oil changes every 12 months.

FORD RECOMMENDATIONS	
INTERVAL	TIME
5,000 mi (7,999 km)	12 months

## Normal Maintenance Intervals

### AT EVERY OIL CHANGE INTERVAL\*, COMPLETE THE FOLLOWING CHECKLIST:

Change engine oil and filter.

Rotate tires (except vehicles equipped with different front and rear tire sizes), inspect tire wear, and measure tread depth.

Perform a multi-point inspection (recommended).

Inspect the brake pads, rotors, hoses, and parking brake.

Inspect the engine air filter (clean if necessary). For details, see ["Engine Air Filter", on page 5.17](#).

Inspect the engine cooling system strength and hoses. (and intercooler cooling system - if equipped).

Inspect the exhaust system.

Inspect rear axle and U-joints. Lubricate if equipped with grease fittings.

Inspect rear axle and U-joints, suspension, tie-rod ends, driveshaft, and U-joints. Lubricate any areas with grease fittings.

Inspect the wheels and related components for abnormal noise, wear, looseness, or drag.

Inspect wiper blades for cracks, warping, and missing rubber.

\*Do not exceed one year (12 months) or 10,000 mi (16,000 km) between oil change/service intervals.

OTHER MAINTENANCE ITEMS*	
Every 50,000 mi (80,000 km) or 3 years (whichever come first)	Replace brake fluid.
Every 75,000 mi (120,000 km)	Clean air filter. For details, see " <a href="#">"Engine Air Filter", on page 5.17.</a>
At 100,000 mi (160,000 km)	Change engine coolant.* *
	Change supercharger intercooler coolant. ** (if equipped)
Every 100,000 mi (160,000 km)	Replace spark plugs.
	Inspect accessory drive belt(s).
Every 150,000 mi (240,000 km)	Change automatic transmission fluid.
	Change manual transmission fluid.
	Replace accessory drive belt(s).***
	Change rear axle fluid.

\*Perform these maintenance items within 3,000 mi (4,800 km) of the last engine oil and filter change. Do not exceed the designated distance for the interval.

\*\*Initial replacement at six years or 100,000 mi (160,000 km), then every three years or 50,000 mi (80,000 km).

\*\*\*After initial inspection, inspect every other oil change until replaced.

## Fluids and Lubricants

We recommend using the following fluids and lubricants to service your Revology Cars vehicle.

FLUIDS AND LUBRICANTS				
REVOLOGY P/N	MFG P/N	DESCRIPTION	APPLICATION	QTY
M50-XO-5W30-QSP	XO-5W30-QSP	ENGINE OIL, 5W30, SYNTHETIC BLEND, 1 QT	GEN III COYOTE 5.0L V8 ENGINE (2021+)	10 QT*
M50-XF-SNY5W-50	XO-5W50-QGT	ENGINE OIL, 5W30, FULL SYNTHETIC	5.0L V8 ENGINE, SUPERCHARGED	12 QT
M50-PM-1-C	PM-1-C	BRAKE FLUID, MOTORCRAFT, DOT 3, 12 OZ	WILWOOD BRAKES	3 PT
M50-VC-13-G	VC-13-G	ANTIFREEZE/COOLANT, YELLOW, MOTORCRAFT	ALL	2 or 3 GAL**
M50-HP-MTF	TUKT16993	FLUID, MANUAL TRANS, TREMEC HP MTF, 75W85	T56XL M/T	4 QT
M50-23232	23232	FLUID, POWER STEERING, SYNTHETIC, LUBEGARD	ALL	1 QT
M50-20404	20404	ADDITIVE, POWER STEERING, LUBEGARD	ALL	4 OZ
M50-XT-12-QULV	XT-12-QULV	FLUID, AUTO TRANS, MERCON ULV, MOTORCRAFT	10R80 A/T	12.7 QT
M50-ZC-32M20-EG	ZC-32M20-EG	SOLUTION, WINDSHIELD WASHER, MOTORCRAFT	ALL	2 QT
M50-XY-75W140-QL	XY-75W140-QL	GEAR OIL, 75W-140, SYNTHETIC, MOTORCRAFT	TRACTION-LOK LSD	4 OZ
M50-XL3	XL-3	FRICTION MODIFIER, MOTORCRAFT	TRACTION-LOK LSD	4 OZ

# Maintaining Your Vehicle

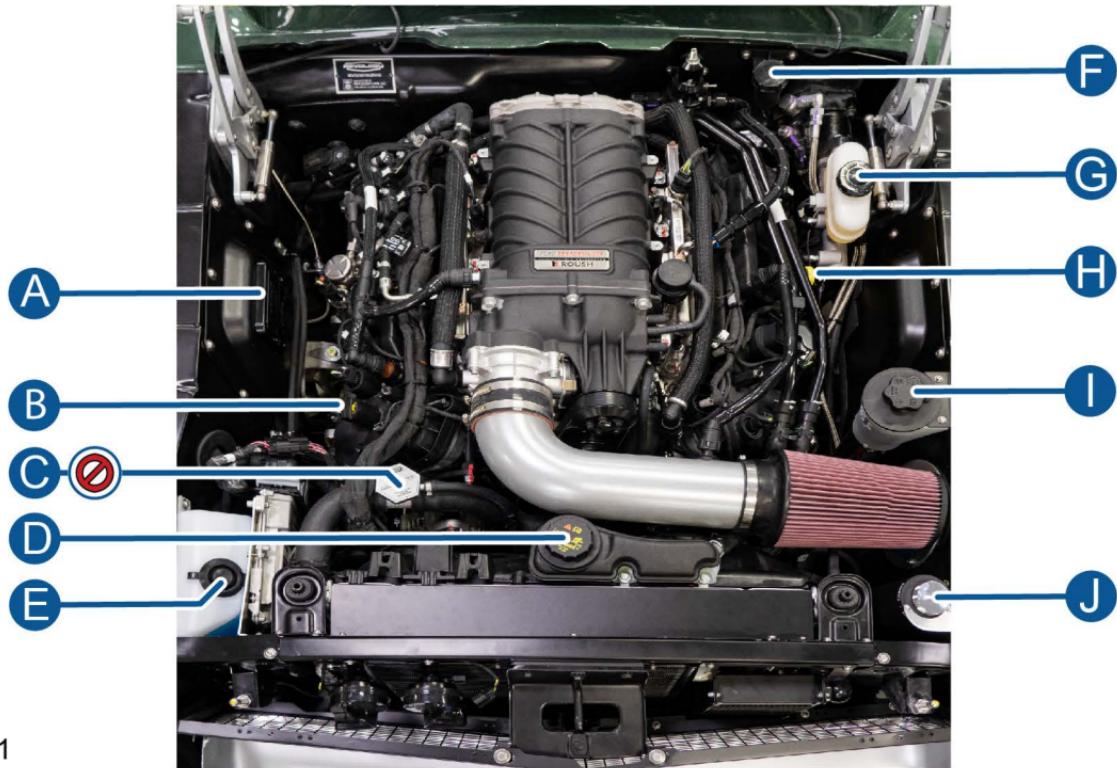
FLUIDS AND LUBRICANTS				
REVOLOGY P/N	MFG P/N	DESCRIPTION	APPLICATION	QTY
* 5.0L V8 with Moroso oil pan and remote oil cooler requires 13.5 quarts.				
** N/A engine requires 2 gal., S/C engine requires 3 gal. Use 50/50 mixture of antifreeze and distilled water.				

## Oil Filter

We recommend using the following oil filters to service your Revology Cars vehicle.

Motorcraft Oil Filter	
Naturally Aspirated	Supercharged
FL-500S	FL-1995-A

## Engine Compartment Overview



ROM0141

## A. Remote Battery Jump Posts

For description and operation, see ["Battery Remote Jump Posts", on page 5.37.](#)

## B. Engine Oil Fill Cap

For description and operation, see ["Adding Engine Oil", on page 5.12.](#)

## C. Engine Coolant Cap (Do Not Open - Service Only)

For description and operation, see ["Checking Engine Coolant Level", on page 5.18.](#)

## D. Intercooler Coolant Reservoir (if equipped with Roush Supercharger)

For description and operation, see ["Intercooler Coolant Reservoir \(if equipped\)", on page 5.20.](#)

## E. Windshield Washer Fluid Reservoir

For description and operation, see ["Windshield Washer Fluid Reservoir", on page 5.16.](#)

## F. Clutch Fluid Reservoir (if equipped)

## G. Brake Fluid Reservoir

For description and operation, see ["Brake Fluid Reservoir", on page 5.24.](#)

## H. Engine Oil Dipstick

For description and operation, see ["Checking Engine Oil", on page 5.11.](#)

## I. Power Steering Fluid Reservoir

For description and operation, see ["Power Steering Reservoir", on page 5.15.](#)

## J. Engine Coolant Expansion Tank

For description and operation, see ["Checking Engine Coolant Level", on page 5.18.](#)

## Engine Oil

To ensure proper engine performance and long engine life, pay careful attention to engine oil. To protect your engine by adhering to the simple, yet important steps below:

- Use approved engine oil that meets proper specifications and the proper viscosity grade. See, ["Fluids and Lubricants", on page 5.7](#).
- Check the engine oil level regularly and maintain the proper oil level at all times.
- Follow your regular maintenance intervals. See, ["Oil Change Intervals", on page 5.5](#).

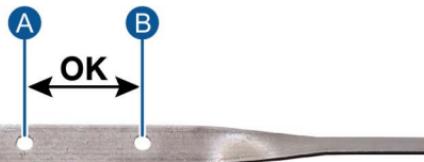
## Checking Engine Oil

To check oil level, regularly perform the following steps:

1. Safely park your vehicle on a level surface and set the parking brake.
2. Start the engine and idle it until it reaches normal operating temperature.
3. Turn engine off and wait 5 minutes for engine oil to return to the oil pan.
4. Open the hood and locate the engine oil dipstick (colored yellow).



5. Pull engine oil dipstick out completely, wipe it clean with a lint-free cloth, and reinsert it until it is fully seated.



ROM0093

6. Pull engine oil dipstick out completely again and examine the oil level.

A. **MIN** - If the engine oil level is at (or below) the MIN mark, ADD OIL IMMEDIATELY to raise oil level to the MAX mark.

B. **MAX** - If the engine oil level is at the MAX mark, your oil level is correct.

7. Reinsert engine oil dipstick until it is fully seated.

**CAUTION:** Do not add too much engine oil, it could damage the engine.

*Note: If the engine oil level is between the MIN and MAX marks on the dipstick (this is in the acceptable operating range), do not add oil.*

*Note: Engine oil consumption of a new engine will be more than that of normal consumption after approximately 3,000 mi (5,000 km).*

## Adding Engine Oil

**WARNING:** Do not remove the oil filler cap while the engine is running.

**WARNING:** Do not drive your Revology Cars vehicle with the oil filler cap removed.

**WARNING:** Do not use supplemental engine oil additives, because they can cause damage to the engine and may void your engine warranty.



ROM0094

Only use oils for gasoline engines that are certified by the American Petroleum Institute (API), with the trademark symbol (seen above). The symbol will only be present on oil products that conform to requirements and standards of the International Lubricants Specification Advisory Committee (ILSAC).

ENGINE	FULL SYNTHETIC WEIGHT	QUARTS*
Naturally aspirated	5W30	10-11
Supercharged	5W50	14

\* Quantities listed for complete oil changes only.

To add engine oil perform the following steps:

1. Clean the area surrounding the oil fill cap, to keep debris from falling into the engine during removal.



ROM0091

2. Turn the engine oil fill cap counterclockwise to remove it.
3. Add engine oil that conforms to the standards and specifications mentioned earlier in this section. Use a clean funnel if one is used to add oil without spilling on the outside of the engine.

**CAUTION:** Do not add more engine oil than necessary, it could damage the engine.

4. Check oil level at the dipstick.

5. If the oil level is correct, reinsert the engine oil dipstick until it is fully seated.



ROM0095

6. Reinstall the engine oil fill cap, by turning it clockwise until it is fully seated and gives resistance.

*Note: With an absorbent cloth, immediately clean up any engine oil that spilled during the process.*

## Clutch Fluid Reservoir (if equipped)

The clutch fluid reservoir is located in the engine compartment on the firewall. The fluid in the clutch hydraulic system is DOT 3 brake fluid.

### When to Check Power Steering Fluid

It is not necessary to check clutch fluid level regularly between scheduled maintenance intervals. If your clutch pedal feels abnormal or a leak in the hydraulic system is suspected, check the fluid level. If the fluid is low, it could be an indicator that there is a leak in the system and it should be inspected and repaired.

### How to Check Clutch Fluid

**WARNING:** Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

**WARNING:** If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

**WARNING:** If the clutch pedal travel is unusually long, the feel is spongy or if there is any significant loss of brake fluid from the clutch hydraulic system, contact Revology Cars. Driving under such conditions could result in unsafe driving conditions.

**CAUTION:** Only use new fluid from an airtight container. Fluid from open containers or fluid previously bled from the system will have absorbed moisture, which will adversely affect performance, and must not be used.

**CAUTION:** Brake fluid will damage plastic or painted surfaces. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car soap and water.

*Note: The vehicle should be parked on a completely level surface prior to checking fluid level and filling.*



Follow the checking/filling instructions on the hydraulic clutch reservoir cap.

**CAUTION:** Do not leave the clutch fluid reservoir cap off the system for longer than absolutely necessary. Be sure to reinstall the cap after removing it and confirm it has a tight seal.

## Power Steering Reservoir

The power steering fluid reservoir is located in the engine compartment on the left front fender apron, next to the intake air filter (or air filter box - if equipped).

### When to Check Power Steering Fluid

It is not necessary to check power steering fluid level regularly between scheduled maintenance intervals. If you hear unusual noises when turning the steering wheel, check the fluid level. If the fluid is low, it could be an indicator that there is a leak in the system. Add fluid if no leaks are present. If leaks are present, the system should be inspected and repaired.

### How to Check Power Steering Fluid



*Note: The vehicle should be parked on a completely level surface prior to checking fluid level and filling.*

Check the fluid when the car is warm.

1. Start the vehicle.
2. Turn the steering wheel from lock-left to lock-right.
3. Turn the vehicle OFF.
4. View the power steering reservoir and confirm the power steering fluid level is full to the **MAX** line.
5. Remove the cap and fill to the **MAX** line if necessary, then reinstall the cap.

ROM0081

## Wiper Blades

Your vehicle is equipped with original equipment silver-finish steel-framed wiper blades to retain the classic style look.

At every oil change, inspect wiper blades for cracks, warping, and missing rubber. If the blades do not pass inspection or they are leaving streaks on the windshield, replace immediately.

Replacement part information:

TRICO PART NUMBER	DESCRIPTION
33-150	15" blade with steel frame. L&R

Wiper blades should be cleaned with windshield washer fluid. To clean stubborn deposits, use isopropyl alcohol on a soft cloth.

## Windshield Washer Fluid Reservoir

**WARNING:** If you operate your vehicle in temperatures below 40°F (5°C), use windshield washer fluid with antifreeze additive protection properties. Failure to use windshield washer fluid without antifreeze protection could result in impaired visibility through the windshield while driving.

**CAUTION:** Only used approved washer fluid in the windshield washer system to avoid damaging the windshield washer system components.

Only use approved windshield washer fluid in your windshield washing system. See “[Fluids and Lubricants](#)”, on page 5.7 for approved fluid.



Add approved windshield washer fluid to the windshield washer fluid reservoir. Fill the bottle to just below the fill opening.

## Engine Air Filter

Your vehicle's engine is equipped with a washable/reusable cotton K&N Engineering intake air filter that is engineered to last the life of your vehicle.

*Note: Do not discard air filter when it is dirty. The air filter can be cleaned, re-oiled, and re-used for the life of the vehicle.*

These filters can go up to 75,000 miles between cleanings (depending on driving conditions). K&N recommends checking the filter at each oil change (sooner for severe dusty driving conditions) and when the dirt starts to cover the screen, then it is time to service the air filter.

Service with one of the two K&N cotton air filter cleaning systems.

K&N AIR FILTER CARE SERVICE KITS	
PART NUMBER	DESCRIPTION
99-5000	With aerosol can oil applicator.
99-5050	With squeeze bottle oil applicator.

If your air filter is damaged, replace with a K&N filter.

K&N AIR REPLACEMENT FILTERS	
PART NUMBER	ENGINE TYPE
RU-2960	Naturally aspirated.
RE-0870	Supercharged.

## Cooling System

The engine cooling system at Revology Cars with a mixture of 50% antifreeze/coolant (Revology Cars approved Motorcraft VC-13-G Yellow Concentrated) and 50% distilled water. This mix is required to keep your vehicle's cooling system in good working order and meet engine warranty requirements. The antifreeze used contains rust and corrosion inhibitors. Additional cooling system additives are not necessary.

**WARNING:** Do not remove coolant cap when engine and coolant is hot. A hot engine and hot cooling system coolant is under high pressure. Hot coolant (antifreeze) or steam from a hot cooling system can badly burn you or others. If you see or hear steam coming from under the hood, do not open the hood until the engine and coolant have had time to cool.

**WARNING:** Do not add coolant (antifreeze) to a cooling system when the engine is overheated.

**WARNING:** The engine cooling system in your Revology Cars vehicle is designed and equipped with a very specific type of pressure cap with a very specific high pressure rating. Do not replace the engine cooling system cap with anything other than an exact replacement with the same brand, part number, and pressure rating. Not following this instruction could result in injury and/or damage to your engine.

**WARNING:** Avoid direct contact of coolant on skin. Wash skin with soap as soon as possible.

# General Maintenance

**WARNING:** Keep coolant out of reach of children and pets.

**WARNING:** Do not start or drive your vehicle without the proper type and amount of coolant (antifreeze) in your engine's cooling system.

**CAUTION:** Only use approved antifreeze/coolant and only use it from a new container. Do not re-use coolant mix drained from the cooling system.

**CAUTION:** Only use distilled water when mixing water and antifreeze and water to get the proper 50/50 mixture. Do not add/use tap water or any other type of water in the cooling system. Minerals and other impurities will damage or clog the cooling system components.

**CAUTION:** Do not use any additives in the coolant system such as radiator sealer. It may inadvertently clog coolant passage ways required to stay open in order to operate properly.

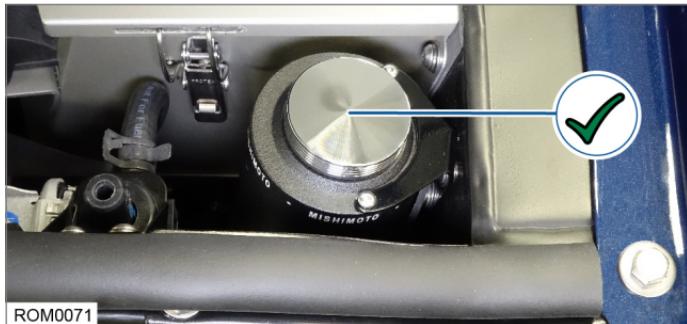
**CAUTION:** Coolant can harm painted surfaces. If coolant spills on painted surfaces, remove it as quickly as possible.

## Checking Engine Coolant Level

**WARNING:** Do not remove coolant cap when engine and coolant is hot. A hot engine and hot cooling system coolant is under high pressure. Hot coolant (antifreeze) or steam from a hot cooling system can badly burn you or others. If you see or hear steam coming from under the hood, do not open the hood until the engine and coolant have had time to cool.



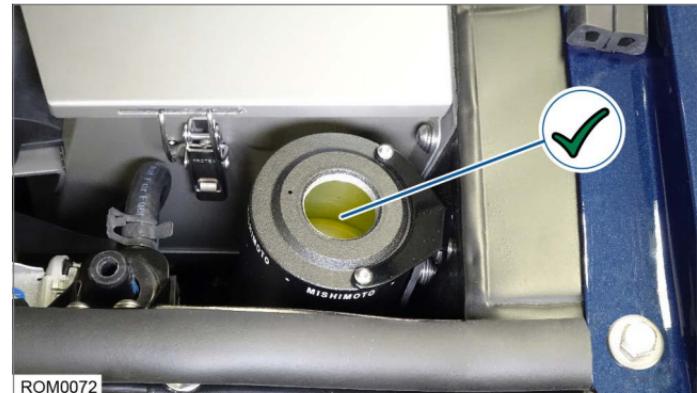
**CAUTION:** Do not check coolant level at the hexagonal coolant cap located in-line on the upper radiator hose. The hexagonal cap is used for coolant flush services. Additional procedures are required to service the system after removal of this cap.



Check engine coolant level at the expansion tank.



Unscrew expansion tank cap.



The coolant level in the expansion tank should be approximately half full when the engine is off and the system is cold. Reinstall cap when done checking/filling.

## Intercooler Coolant Reservoir (if equipped)

**WARNING:** Do not remove coolant cap when engine and coolant is hot. A hot engine and hot cooling system coolant is under high pressure. Hot coolant (antifreeze) or steam from a hot cooling system can badly burn you or others. If you see or hear steam coming from under the hood, do not open the hood until the engine and coolant have had time to cool.

**WARNING:** Avoid direct contact of coolant on skin. Wash skin with soap as soon as possible.

**WARNING:** Keep coolant out of reach of children and pets.

**CAUTION:** Only use approved antifreeze/coolant and only use it from a new container. Do not re-use coolant mix drained from the cooling system.

**CAUTION:** Only use distilled water when mixing water and antifreeze and water to get the proper 50/50 mixture. Do not add/use tap water or any other type of water in the cooling system. Minerals and other impurities will damage or clog the cooling system components.

**CAUTION:** Do not use any additives in the coolant system such as radiator sealer. It may inadvertently clog coolant passage ways required to stay open in order to operate properly.

**CAUTION:** Coolant can harm painted surfaces. If coolant spills on painted surfaces, remove it as quickly as possible.

**CAUTION:** The vehicle should be parked on a completely level surface before checking the coolant level. Not filling the

intercooler coolant to the proper level could cause cooling problems.

If your Revology Cars model is equipped with a ROUSH supercharger, it will also have an intercooler with its own individual cooling system. The intercooler coolant tank is located between the intake tube and the vehicle's radiator.

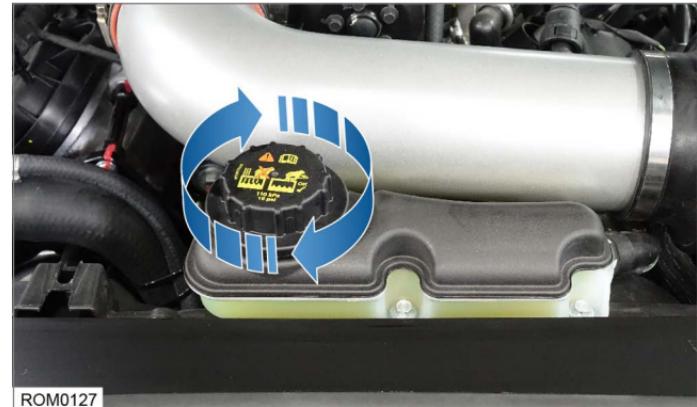


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Check the intercooler coolant level when the cooling system is cold. The coolant level MAX indicator is inside the tank. Remove the cap in counterclockwise direction to check the intercooler coolant level.



The intercooler coolant level MAX indicators are the two tabs inside the tank. The coolant should be barely touching the bottom of the two tabs.



The coolant cap has a built-in torque limiter. To install coolant cap, turn it clockwise until it clicks. It will not over-tighten.

## Hydraulically Assisted Power Brakes and Steering

**WARNING:** If you're not familiar with the hydroboost system seek a qualified technician to perform any maintenance and repairs. Improper maintenance can lead to brake failure and vehicle accidents.

**WARNING:** If your engine ever stops while you're driving, brake normally but don't pump your brakes. If you do, the pedal may get harder to push down. If your engine stops, you will still have some power brake assist. But you will use it when you brake. Once the power assist is depleted, it will require a lot more force on the brake pedal and may take longer distance to stop the vehicle.

**CAUTION:** Avoid prolonged continuous pressure on the brake pedal when the engine is not running, as this may deplete the hydraulic pressure in the system.

**CAUTION:** Regularly inspect the hydraulic lines, fittings, and connections for leaks or damage. Any sign of leakage should be addressed promptly by a qualified technician.

**CAUTION:** Extreme temperatures can affect the performance of the hydroboost system. Exercise caution during extremely hot or cold weather conditions.

Your Revology Cars vehicle features hydraulically assisted rack and pinion steering and brakes. The power steering pump, located on the front end accessory drive of the engine, pressurizes both systems. The hydroboost brake unit,

manufactured by Bosh, ensures excellent brake feel and OEM reliability.

### Maintenance Guidelines:

- Maintain hydraulic fluid at the indicated level in the reservoir for optimal performance.
- Inspect the condition of the fluid for contamination, discoloration, or debris and replace if necessary.
- Periodically inspect the hydraulic lines, fittings and connections for leaks, wear, or damage.
- Check the power steering pump and hydroboost unit for proper orientation and signs.
- Monitor the brake pedal feel for any changes, such as increased pedal effort or sponginess, which may indicate air in the hydraulic system or other issues.
- Bleed the brake system as needed to ensure proper hydraulic pressure and pedal response.

### Hydraulic Brake Pressure Loss

In the rare event of hydraulic pressure loss, the brakes will remain functional. However, expect increased pedal effort.

## Brakes



**WARNING:** Do not drive your vehicle if the red brake warning icon on the dash is illuminated while the parking brake is disengaged. The brake fluid will only be low if a brake system component has failed, therefore the vehicle is dangerous to drive.

**WARNING:** Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

**WARNING:** Brake fluid is flammable. Avoid contact with ignition sources and ensure proper ventilation when working with the hydraulic system.

**WARNING:** If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

**WARNING:** Do not drive your vehicle if the brake fluid is low level mark on the reservoir. Brake fluid **MUST** be added to the reservoir before driving.

**WARNING:** If the brake pedal travel is unusually long, the feel is spongy or if there is any significant loss of brake fluid contact Revology Cars. Driving under such conditions could result in extended stopping distances or complete brake failure.

**CAUTION:** Only use new fluid from an airtight container. Fluid from open containers or fluid previously bled from the system will have absorbed moisture, which will adversely affect performance, and must not be used.

**CAUTION:** Brake fluid will damage plastic or painted surfaces. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car soap and water.

**CAUTION:** Use only recommended hydraulic fluids to avoid system damage and loss of braking capability.

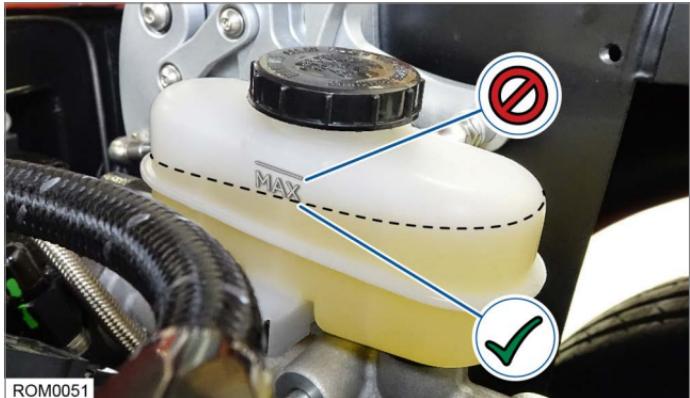
*Note: the fluid level in the reservoir may drop slightly during normal use, as a result of brake pad wear.*

The fluid level in the reservoirs may drop slightly during normal use, as a result of brake pad wear, but should not be allowed to drop below the **LOWER** mark.

### Brake Fluid Replacement

Brake fluid must be replaced every 36 months regardless of the distance the vehicle has been driven. It is recommended that this procedure is carried out by Revology Cars or an approved shop in your area.

## Brake Fluid Reservoir



*Note: Your vehicle is equipped with an OEM reservoir from a modern vehicle, so the **MAX** fill line is different for the Revology Cars application. The new **MAX** fill height is at the bottom of the **MAX** text located on the reservoir (shown with dotted line for reference).*

Inspect the level of the brake fluid, visible through the reservoir. If the fluid level is below the bottom of the **MAX** text embossed on the reservoir (shown with dotted line for reference), add brake fluid until it reaches the bottom of the **MAX** text.

*Note: The vehicle should be parked on a completely level surface prior to checking fluid level and filling.*

*Note: With the vehicle parked on level ground, the brake fluid reservoir will be angled slightly (as shown in the photo of the master cylinder).*

1. Clean any dirt or debris from around the reservoir cap before opening the reservoir. Place a shop towel below the reservoir to absorb any spilled fluid.
2. Unscrew and remove the reservoir cap.
3. Add new DOT 3 brake fluid.

*Note: Do not overfill. Only fill to the bottom of the **MAX** text embossed on the reservoir. Overfilling will cause fluid leakage while driving.*

4. Inspect the cap seal ensuring that it is free of any wear or damage, then reinstall the cap.

## Brake Proportioning Valve

Your Revology Cars vehicle is equipped with an adjustable brake proportioning valve (tucked under the master cylinder).

**DO NOT ADJUST THE BRAKE PROPORTIONING VALVE!** The valve has been adjusted based on a specific test procedure outlined by the valve manufacturer.



### **WARNING: DO NOT ADJUST BRAKE PROPORTIONING VALVE!**

Adjustment of this valve will alter the designed-in front-to-rear brake bias and may result in increased braking distances or dangerous braking conditions.

## Tires

Inspect all four tires for the following:

- Cuts, cracks, splits, or missing tread lugs in the tread or sidewall area.
- Bumps or bulges within the tire body.
- Uneven tire tread wear. Wear on one side of the tire tread or flat spots in the tire tread indicate a problem with the tire or vehicle.
- Exposed tire thread or cords.
- Tread depth at 2/32 in (1.6 mm) or less.

If any of the tires are found to have any of the above conditions, replace the tire immediately.

## Tire Inflation

**WARNING:** Under-inflation is a common cause of tire failure and may result in severe tire cracking, tread separation, bead unseating from wheel, "blowout," or unexpected loss of vehicle control, causing serious injury or death.

Front Tires	Rear Tires
32 PSI (220 kPa)	32 PSI (220 kPa)

Tire pressure should be checked and adjusted to the proper inflation level before each drive. Tire pressure should be checked using an accurate gauge when the tires are COLD.

*Note: Always reinstall the valve stem caps after adjusting the tire pressures.*

## Tire Replacement

**WARNING:** ONLY replace the tires with Revology Cars-approved radial tires. They are the only tires that have been proven to work with the suspension setup and fitment designed for your vehicle.

**WARNING:** Installation of non-approved tires may cause adverse accelerating, braking, and cornering performance.

*Note: Installation of non-approved tires may also adversely affect the road noise and speedometer calibration.*

## Tire Inflator

Revology Cars vehicles without run-flat tires are delivered with an AirMan ResQ Pro+ integrated tire repair kit. Keep this kit in the trunk of your vehicle at all times.

- AirMan tire inflator pump w/built-in flashlight (powered by the 12-Volt accessory socket in the dash).
- AirMan Active Seal 450 ml tire sealant bottle (1-time use).
- Storage/carrying case.
- AirMan ResQ Pro+ instruction manual.

**CAUTION:** If you used the AirMan Active Seal tire sealant to repair a flat tire, have a tire repair shop repair or replace your tire as soon as possible. The tire sealant is a temporary fix and is not meant to be a longtime repair.

*Note: Your Revology Cars vehicle is not equipped with a spare tire. In the event of a flat tire, use the AirMan ResQ Pro+ tire repair kit to temporarily repair the tire. When performing a tire repair, refer to the AirMan ResQ Pro+ instructions included in the kit.*



ROM0086

## When to Use a Tire Inflator Alone or Add Sealant

Inspect your flat (or low) tire for visible damage. If there's no visible damage to the tire, follow the process for ["Using Tire Inflator Air Pump \(without sealant\)", on page 5.28](#).

If the tire has a visible hole in the sidewall or a large hole in the tread, call your roadside assistance provider for service. Tire sealants are not meant for sealing sidewall punctures or large holes (7 mm or larger) in the tread.

If the tire has a small visible hole (6 mm or smaller) in the tread, tire sealant may be an effective temporary solution for you. If this is the case, follow the process for ["Using Tire Inflator Air Pump \(with sealant\)", on page 5.29](#).

## Using Tire Inflator Air Pump (without sealant)



### Using the AirMan ResQ Pro+ tire inflator:

1. Safety First. Ensure your vehicle is parked on a flat and stable surface, safely away from traffic. Turn off the engine, turn on the flashers, and engage the parking brake.
2. Locate the AirMan ResQ Pro+ integrated tire repair kit in the trunk of your Revology Cars vehicle.
3. Thoroughly read the operating instructions that accompany your AirMan ResQ Pro+ integrated tire repair kit. It's important to read and understand the instructions before using the kit.
4. Remove the valve stem cap from wheel with the flat tire.

5. Connect the inflator's black hose securely to the valve stem of the flat tire.
6. Plug the AirMan ResQ Pro+ power cord into the AC adapter (cigarette lighter) socket in the ashtray door.
7. Turn the selector switch clockwise to the AIR ONLY position.
8. Power ON the AirMan ResQ Pro+ inflator, following the instructions supplied by AirMan.
9. Monitor the pressure gauge on the inflator and power OFF the unit off when the gauge reaches 32 PSI.

**WARNING:** If the tire is not holding pressure, inspect the tire for punctures. If there's a large hole, call your roadside assistance provider for help. If there is a small hole, adding sealant might work. Follow the process for ["Using Tire Inflator Air Pump \(with sealant\)"](#), on page 5.29.

10. Disconnect the black hose from the valve stem and reinstall the valve stem cap.
11. Unplug the inflator from the AC adapter socket, pack the inflator back in its case, and put it back in the trunk.

**CAUTION:** If the tire seems to be holding pressure, proceed with caution. A tire only loses air pressure from a leak, so if it lost air, it will most likely lose pressure again. Have your tire inspected by a professional tire shop as soon as possible.

## Using Tire Inflator Air Pump (with sealant)



### Using the AirMan ResQ Pro+ tire inflator **with sealant**:

1. Safety First. Ensure your vehicle is parked on a flat and stable surface, safely away from traffic. Turn off the engine, turn on the flashers, and engage the parking brake.
2. Locate the AirMan ResQ Pro+ integrated tire repair kit in the trunk of your Revology Cars vehicle.
3. Thoroughly read the operating instructions that accompany your AirMan ResQ Pro+ integrated tire repair kit, so you thoroughly understand the instructions before use.
4. Remove the valve stem cap from wheel with the flat tire.
5. Shake the tire sealant container vigorously to mix the sealant.

6. Connect the red hose securely to the valve stem of the flat tire.
7. If your tire isn't completely flat, press the deflate (-) button on your compressor prior to adding sealant. Otherwise not enough sealant will get into the tire.
8. Plug the AirMan ResQ Pro+ power cord into the AC adapter (cigarette lighter) socket in the ashtray door.
9. Place the speed warning label from the sealant bottle onto the steering wheel as a reminder to keep your speed under 50 mph while driving on a tire with sealant inside of it.
10. Turn the selector switch counterclockwise to the SEALANT position.
11. Power ON the AirMan ResQ Pro+ inflator, following the instructions supplied by AirMan.
12. Monitor the pressure gauge on the inflator and power OFF the unit off when the gauge reaches 32 PSI.
13. Disconnect the red hose and reinstall the valve stem cap.
14. Unplug the inflator from the AC adapter socket, pack the inflator back in its case, and put it back in the trunk.
15. **IMPORTANT!** The sealant must reach the puncture to be effective. Safely drive your vehicle approximately 5 miles (8 km) to ensure sealant has been applied evenly to the inside of the tire. Do not exceed 50 mph (80 km/h). Have your tire repaired properly at the nearest service station.

## General Maintenance

**CAUTION:** If the tire seems to be holding pressure, proceed with caution. Tire sealant is only a temporary repair. Have your tire repaired by a service station as soon as possible.

*Note: TIRE SEALANT SHELF LIFE. The water-based tire sealant has a shelf life of six years. To check the expiration date, read the lot number as follows: AS = Active Seal, 1st two numbers after the letter T = year of production, and 2nd two numbers = week of production.*

*Note: REPLACE TIRE SEALANT BOTTLE AFTER USE! Replace sealant bottle with AirMan Active Seal 450 ml tire sealant bottle.*

## Wheel and Lug Nut Installation Specifications

**WARNING:** Proper lug nut torque is critical to ensure the wheel is properly mounted to your vehicle, so it doesn't come loose or fall off the vehicle. Use a properly calibrated torque wrench and correct sized six-pointed (hexagonal) deep socket.

**WARNING:** Any time a lug nut and/or a wheel is removed from your vehicle, confirm the threads of every lug nut and wheel mounting surface is free from debris or corrosion before installation.

**WARNING:** Do not over-tighten lug nuts. You can damage the threads on the lug nut and the lug nut mounting stud.

Lug Nut Torque	Lug Nut Size	Lug Nut Socket Size
85 ft-lb (115 Nm)	1/2"-20	3/4" 6-Point Deep



Tighten the lug nuts using the torque sequence shown above. Ensure the socket is fully engaged (not half way installed) over the lug nut before applying force to tighten. Repeat the process after the first torque sequence.

**WARNING:** To avoid your vehicle from falling from a raised position while installing a tire, do not torque lug nuts until the tire is firmly touching the ground.

**CAUTION:** After driving 25 miles on a newly-installed wheel, check the lug nuts to confirm they are tightened to the proper torque.

*Note: If you doubt your lug nuts are the proper torque, have them checked at the nearest mechanic or service station.*

## Battery

**WARNING:** EXPLOSION/FLAMABILITY HAZARD! Battery gas is flammable and explosive. An exploding battery can cause injury or death. Keep flames, sparks, and smoking materials away from the battery at all times.

**WARNING:** BATTERY ACID HAZARD! Keep batteries away from children. Battery fluid is a corrosive sulfuric acid solution that can cause burns or blindness if it contacts your eyes, skin, or clothing. Avoid leaning over the battery when attaching clamps. In case of acid splashes or explosive gases, immediately flush affected area with plenty of water.

**WARNING:** Always wear eye protection when working on or around the battery.

**WARNING:** Battery posts, terminals, and related accessories contain lead and lead compounds. Wash your hands thoroughly after handling these components.

**WARNING:** Do not connect any accessories directly to the 12-volt battery. Operation of the vehicle may be adversely affected. ONLY use the provided 12-volt accessory socket on the dash.

**CAUTION:** Only replace the 12-volt battery with a 12-volt battery of the same dimensions and battery terminal positions (BCI Group 48) and the same amperage rating (760 CCA) or higher. Failure to follow these guidelines will adversely affect the operation of your vehicle.

**CAUTION:** When reconnecting cables on the battery, ensure you connect the positive cable to the positive (+) battery post and you connect the negative cable to the (-) battery post. The posts are marked and identified on the battery case and the terminal ends.

**CAUTION:** Cable clamps should be securely tightened on the battery terminal posts and free from corrosion to maintain proper electrical connections and prevent damage.



ROM0076

Your Revology Cars vehicle is equipped with a 12-volt maintenance-free AGM battery.

The 12-volt battery is located in the trunk. For location, see ["Battery Location", on page 5.36.](#)

## Battery Charger/Maintainer

**WARNING:** Read the CTEK MXS 5.0 battery charger user manual completely before using the charger.

*Note: If your battery has less than 2volts, the CTEK battery charger will not recognize there is a battery present, the built-in safety feature will automatically turn the charger off. If your battery has less than 2 volts, you will have to jump start your vehicle, by jump starting directly connecting to your 12-volt battery.*



Your Revology Cars vehicle was delivered with a CTEK battery charger.

The CTEK MXS 5.0 Charger features are:

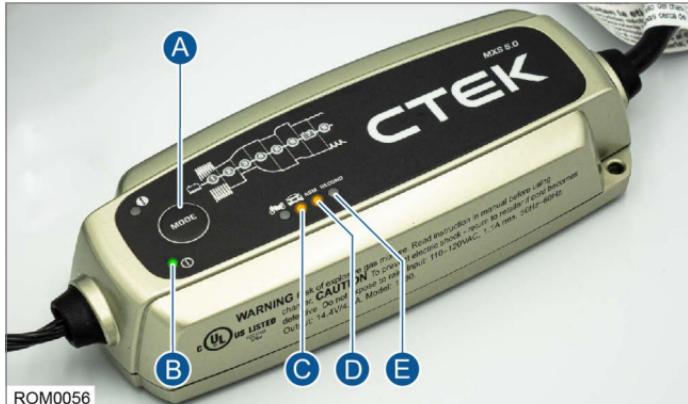
- Safely maintains your battery voltage while vehicle is stored.
- Charges your battery.
- Additional connecting cables included.
- Storage bag included.

Your Revology Cars vehicle is already pre-wired with an accessible connection socket for conveniently connecting your CTEK charger. The socket is located under the rear bumper above the license plate. Revology Cars has included a custom cable specifically made for connecting your charger to your vehicle. The charger connector has magnets for a positive connection and ensures the cable is connected properly.

## When to Use the Charger/Maintainer

The CTEK MXS 5.0 Charger is designed to be an every day use device for a vehicle that is not driven every day. We recommend that you use your CTEK charger when you don't intend to use the vehicle for a week or more, to maintain your Revology Cars vehicle and provide a long trouble-free life for your AGM battery.

## CTEK Charger Features



*Note: The charger has built-in memory, so when powered-on, it will recall the previous settings. If you want a different mode, you will have to scroll through the modes to make a new selection.*

Important CTEK Charger features you'll need to know for charging your Revology Cars vehicle:

- A. MODE button - Press to select different modes.
- B. POWER light - This light illuminates while the charger is plugged into a power source.
- C. AUTOMOTIVE BATTERY light - This light illuminates to show that you have selected to charge an automotive battery. You

should always have this selected when charging your Revology Cars vehicle.

- D. AGM light - This light illuminates to show that you have selected to MAINTAIN (or CHARGE) an AGM-type battery. Your Revology Cars vehicle's electrical system was designed to be powered by, and delivered with, an AGM-type battery. You should always have this selected when charging your Revology Cars vehicle if it's still equipped with an AGM-type battery.
- E. RECOND light - ***NOTE: Do not select this option for standard maintaining of your battery.*** This light illuminates to show that you have selected to RECONDITION an AGM-type battery. Reconditioning increases the voltage during charging to create controlled gassing in the battery (read the CTEK manual for additional details).

*Note: For additional features, read the manual that was included with your CTEK charger.*

## Charging/Maintaining Your Battery

Follow these simple steps for charging/maintaining your Revology Cars vehicle's battery for years of trouble-free service.



*Note: The charger has built-in memory, so when powered-on, it will recall the previous settings. If you want a different mode, you will have to scroll through the modes to make a new selection. The steps below are for the first time you setup to charge/maintain your battery.*

1. Shut the engine off and power down all lights and accessories.
2. Locate the CTEK charger socket under the rear bumper above the license plate.

3. Pull the rubber cap out of the socket and let it hang.
4. Install the charge cable into the socket. The cable connector is equipped with magnets to hold it into the socket. Then the will only fully seat in one position. When the cable connector is installed correctly, it will fully seat in the socket and stay connected on its own.
5. Plug the charge cable connector into the CTEK charger cable connector.
6. Plug your CTEK Charger into a wall receptacle/power supply.
7. Press the Mode button one time to select AGM (battery type).
8. The CTEK Charger takes care of the rest of the functions.

## Battery (CTEK) Charger Not Charging

*Note: Confirm all the charger connections are completely engaged and the POWER light on the CTEK Charger is illuminated.*

*Note: If your battery has less than 2volts (completely drained), the CTEK battery charger will not recognize there is a battery present, the built-in safety feature will automatically turn the charger off. If your battery has less than 2 volts, you will have to jump start your vehicle, by jump starting directly connecting to your 12-volt battery.*

*Note: Confirm that the ERROR light is not illuminated. If it is, check the CTEK Charger manual for troubleshooting.*

## Battery Location

**WARNING:** Do not jump start your vehicle's battery directly, due to the possible danger of creating a spark and causing a battery explosion. Attempt to jump start the vehicle by utilizing the battery remote jump posts located under the hood on the right front fender apron, see ["Battery Remote Jump Posts", on page 5.37](#).

**WARNING:** Only attempt to jump start the car at the battery located in the trunk as a last resort.

**WARNING: EXPLOSION/FLAMABILITY HAZARD!** Battery gas is flammable and explosive. An exploding battery can cause injury or death. Keep flames, sparks, and smoking materials away from the battery at all times.

1. Confirm vehicle ignition is OFF mode.
2. Open trunk.



3. Remove battery closeout panel.

*Note: The closeout panel is held in with magnets, so it is easy to remove and put back in place.*



4. The negative (-) battery terminal is on the right.
5. The positive (+) battery terminal is on the left.

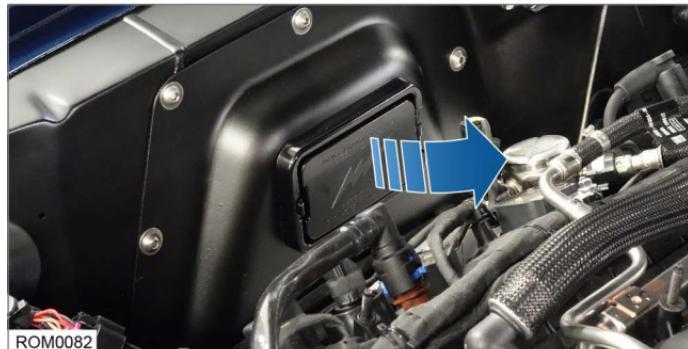
## Battery Remote Jump Posts

Your Revology Cars vehicle is equipped with battery remote jump posts located under the hood on the right front fender apron. These posts are installed for your safety.

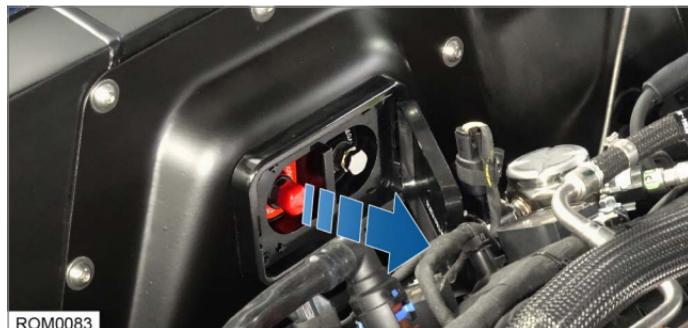


If the battery becomes discharged and the vehicle will not start, you will use the battery remote jump posts to connect jumper cables for jump starting your vehicle. Connecting jumper cables directly to a terminal on a battery can create a spark, which could ignite battery gases and cause an explosion. The battery remote jump posts eliminate the risk of explosion because they are not close to the vehicle's battery (located in the trunk).

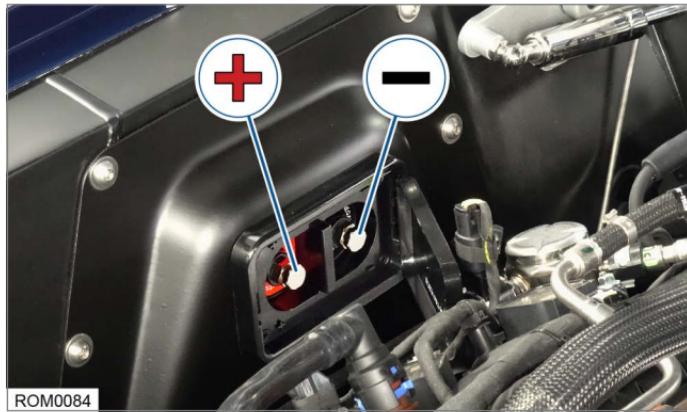
## General Maintenance



1. Open battery remote jump post access door.



2. Remove the rubber safety cap from the positive (+) battery jump post. Reinstall the rubber safety cap when you are done using the battery jump post.



3. The positive (+) battery jump post is on the left and the negative (-) battery jump post is on the right.

## Jump Starting Your Vehicle (low voltage)

**WARNING: EXPLOSION/FLAMMABILITY HAZARD!** Battery gas is flammable and explosive. An exploding battery can cause injury or death. Keep flames, sparks, and smoking materials away from the battery at all times.

**WARNING: BATTERY ACID HAZARD!** Keep batteries away from children. Battery fluid is a corrosive sulfuric acid solution that can cause burns or blindness if it contacts your eyes, skin, or clothing. Avoid leaning over the battery when attaching clamps. In case of acid splashes or explosive gases, immediately flush affected area with plenty of water.

**WARNING:** Only use adequately sized jumper cables with insulated clamps for jumping the battery.

**CAUTION:** Do not attempt to push-start (or pull-to-start) your Revology Cars vehicle for any reason. If the battery doesn't have enough voltage to start the engine. The vehicle's ECM and fuel system requires voltage to start the engine, so push-starting the vehicle will not work.

**CAUTION:** Do not attempt to push-start (or pull-to-start) your vehicle, especially if it is equipped with an automatic transmission. Internal transmission damage may occur.

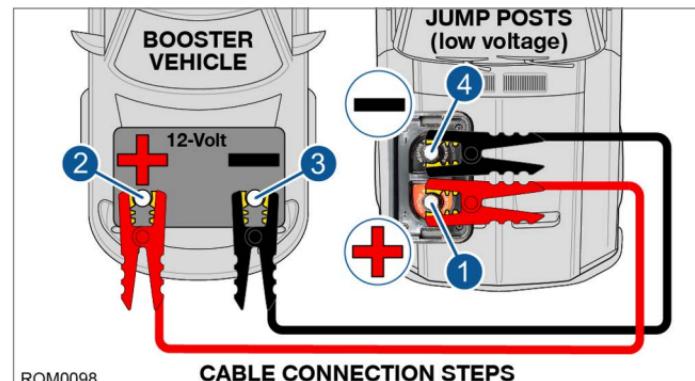
**CAUTION:** If the jumper cables are connected or removed in the incorrect order, an electrical short could occur. This could damage the vehicle and void the warranty.

**CAUTION:** Make sure the jumper cable ends do not touch each other or any other metal during the jump starting process.

*Note: If you're using a jump pack or booster box, follow the connection instructions on that device.*

### Connecting the Jumper Cables

Jump start your vehicle (with a battery in another vehicle) by obeying the following steps carefully:



*Note: Prepare your remote battery jump posts for jump starting procedure. For location and instructions, see “[Battery Remote Jump Posts](#)”, on page 5.37.*

1. ON THE REVOLOGY VEHICLE - Connect the positive (+) jumper cable clamp (typically red) to the positive (+) remote battery jump post.

# General Maintenance

2. ON THE BOOSTER VEHICLE - Connect the positive (+) jumper cable clamp (typically red) on the other end of the cable to the positive (+) battery terminal of the booster vehicle.
3. ON THE BOOSTER VEHICLE - Connect the negative (-) jumper cable clamp (typically black) on the other end of the cable to the negative (-) battery terminal of the booster vehicle.
4. ON THE REVOLOGY VEHICLE - Connect the negative (-) jumper cable clamp (typically black) to the negative (-) remote battery jump post.

## Starting the Engine

5. ON THE BOOSTER VEHICLE - Start the engine of the booster vehicle and allow it to idle for at least four minutes. To reduce the jump/charge time to one minute, apply pressure to the accelerator pedal (of the booster vehicle) to raise the engine speed to 2000 RPM.

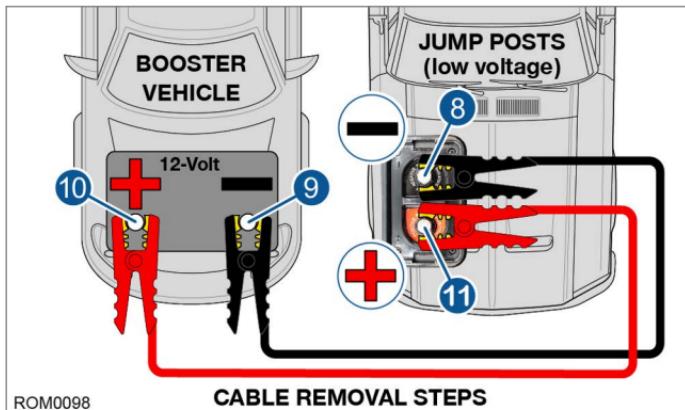


ROM0015

6. ON THE REVOLOGY VEHICLE - Start the engine.
7. Once the Revology vehicle has started, run both vehicles for at least three minutes before disconnecting the jumper cables. This helps build up voltage in the discharged battery.

## Disconnecting the Jumper Cables

Remove the jumper cables from the vehicles by obeying the following steps carefully:



ROM0098

**CABLE REMOVAL STEPS**

8. ON THE REVOLOGY VEHICLE - Disconnect the negative (-) jumper cable clamp (typically black) from the negative (-) remote battery jump post.
9. ON THE BOOSTER VEHICLE - Disconnect the negative (-) jumper cable clamp (typically black) on the other end of the cable from the negative (-) battery terminal of the booster vehicle.
10. ON THE BOOSTER VEHICLE - Disconnect the positive (+) jumper cable clamp (typically red) on the other end of the cable from the positive (+) battery terminal of the booster vehicle.

11. ON THE REVOLOGY VEHICLE - Disconnect the positive (+) jumper cable clamp (typically red) from the positive (+) remote battery jump post.

12. Allow engine to idle for a minimum of one minute to be sure it will continue to run and generate its own power for recharging the battery.

**WARNING:** If your vehicle doesn't idle after the battery cables are disconnected from the booster vehicle, your vehicle may stop running while driving, which would be very unsafe. Do not drive your vehicle. Have your vehicle inspected and repaired.



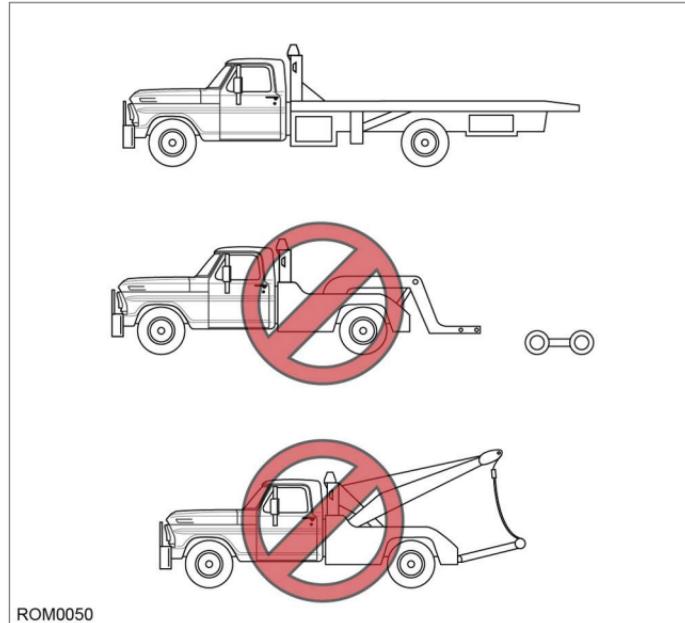
ROM0097

13. Reinstall the rubber safety cap on the positive (+) battery jump post. Completely close the remote jumper post access panel.

## Transporting

If you need to have your vehicle transported, the only recommended method of transporting your Revology Cars vehicle is on a flatbed rollback tow truck or an auto transport.

**CAUTION:** Incorrectly transporting your vehicle may cause damage to the vehicle. Use proper tire straps to secure the vehicle to the flatbed tow truck or transporter.



## Cleaning

**CAUTION:** Improper cleaning can damage electrical components, seals, and plastic parts. Do not use steam or high-pressure water cleaner systems; they can cause water intrusion of seals and electrical components.

If tar, bugs, or other similar deposits have accumulated, clean them off as soon as possible.

**WARNING:** After cleaning your vehicle, and before starting your drive, always test the brakes.

**CAUTION:** Always follow the product manufacturer's instructions when using car care products and test them on a small, inconspicuous area before applying them to the entire vehicle to avoid damage to all surfaces.

## Vehicle Care Products

To help keep your Revology vehicle looking great and protected for years to come, we recommend using these following car care products.

### Recommended Products

- Microfiber Towels** - Select clean soft, lint-free microfiber towels for drying and detailing.
- Wheel Cleaner** - Select a wheel cleaner designed for your wheel type (alloy, chrome, etc.) to effectively remove brake dust and road grime without causing damage.

- Wax or Sealant** - Apply a high-quality wax or sealant to protect the paint from UV rays, oxidation, and environmental contaminants.

**CAUTION:** Allow 6 months for the paint to fully cure, before applying wax or sealant.

- Interior Cleaner** - Use a gentle interior cleaner for surfaces like vinyl, plastic, and leather.
- Exterior Wash** - Use a mild automotive shampoo specifically formulated for cars.
- Glass Cleaner** - Use a glass cleaner specifically formulated for automotive use to achieve streak-free clarity on windows and mirrors.
- Tire Dressing** - Select a water-based tire dressing to enhance the appearance of your tires without causing them to become overly shiny or attracting excessive dirt and grime.

### Products to Avoid

- Abrasive Cleaners** - Avoid using abrasive cleaners or harsh scrubbing pads as they can scratch and damage the paint surface.
- Ammonia-based cleaners** - Stay away from cleaners containing ammonia, as they can cause damage to tinted windows and plastic surfaces.

- **Silicone-based Dressings** - Avoid silicone-based tire dressings or interior protectants as they can leave behind a greasy residue and attract dust.

**WARNING:** Avoid using silicone-based dressings on the steering wheel and/or the foot pedal pads, because their surfaces may become slippery and cause unsafe driving conditions.

- **Household Cleaners** - Refrain from using household cleaners such as dish soap or bleach on you on your vehicle, as they are not formulated for automotive use and may cause harm to the paint finish or interior surfaces.
- **Low-Quality Microfiber Towels** - Avoid using low-quality or abrasive microfiber towels, as they can scratch the paint surface and leave behind lint.

## Walnut Veneer

If your Revology Vehicle is equipped with Walnut veneer, here's how to take care of it so it stays looking new.

**CAUTION:** Do not use excessive water or allow water to sit on the walnut veneer for extended periods, as this can cause warping or damage to the wood.

**CAUTION:** If spill occur, especially liquids that can stain or damage wood (such as acidic substances), immediately blot them with a clean, dry cloth. Avoid rubbing the spill, as this can spread the liquid and potentially damage the veneer.

**CAUTION:** Direct sunlight can fade or damage wood over time. Park your vehicle in shaded areas or use window shades to protect the walnut veneer from prolonged exposure to sunlight.

- **Regular Dusting** - Use a soft microfiber cloth or a feather duster to remove dust and debris from the surface of the walnut veneer regularly. This prevents buildup and maintains a clean appearance.
- **Gentle Cleaning Solutions** - Use a mild, non-abrasive cleaner specifically designed for wood surfaces. Avoid harsh chemicals or abrasive cleaners that can damage the veneer's finish.
- **Damp Cleaning** - If needed, lightly dampen a soft cloth with water or a gentle wood cleaner. wring out excess moisture to ensure the cloth is only slightly damp, then gently wipe the veneer in the direction of the wood grain.

## Touch Screen Surface

**CAUTION:** Do not spray cleaning solutions directly onto the screen as this could damage the head-unit.

**CAUTION:** Turn off the vehicle's electronics before cleaning to avoid accidental inputs or damage.

- Use a soft, lint free cloth such as a microfiber cloth to gently wipe the touchscreen surface.
- If the screen is heavily soiled, lightly dampen the cloth with water or a screen-safe cleaning solution recommended by the manufacturer.

- Regularly clean the touchscreen to maintain visibility and functionality.

## Emblems & Gas Cap

**CAUTION:** Avoid harsh chemicals or abrasive cleaning tools that can easily scratch or damage the emblems finish or gas cap surface.

To maintain the appearance of the vehicle emblems and gas cap, use a soft cloth or sponge with mild soap and water to gently wipe the emblems or gas cap.

## Wheels and tires

Avoid using strong acidic wheel cleaners. If such products are used on hard-to-remove dirt, do not leave the cleaner on the affected area any longer than instructed. Also thoroughly rinse the area off with water, then dry it immediately.

## Washing

**WARNING:** Do not use high-pressure washers (like those at coin-operated car washes) as these can damage certain parts.

**CAUTION:** Do not use any harsh chemical products on plastic parts. Be sure to avoid using cloths or sponges which have been in contact with strong abrasive cleaning products, solvent or thinner, fuel (gasoline), rust removers or inhibitors, brake fluid, antifreeze, or electrolyte.

*Note: We recommend the use of a garden hose to wash your vehicle. Avoid directing the water jet at any electrical components.*

1. Rinse the vehicle first, to spray away debris and loosen dirt.
2. Gently wash your vehicle with a sponge or a clean soft cloth, mild automotive soap, and plenty of water.
3. Use care when cleaning acrylic/plastic parts (fixed vent wing pane and light lenses), which can scratch easier than the other parts of your vehicle.
4. After washing, rinse your vehicle thoroughly with plenty of clean water to remove any detergent residue.
5. Dry your vehicle with a chamois or a soft, dry towel.
6. After cleaning, inspect and dry any water that may have entered the vehicle.

## Touch-Up Paint

Touch-up paint and clearcoat were in a kit that accompanied your vehicle when it was new. The kit included touch-up paint for the main exterior body color. If your vehicle is equipped with stripes, touch-up paint for the stripes was also included.

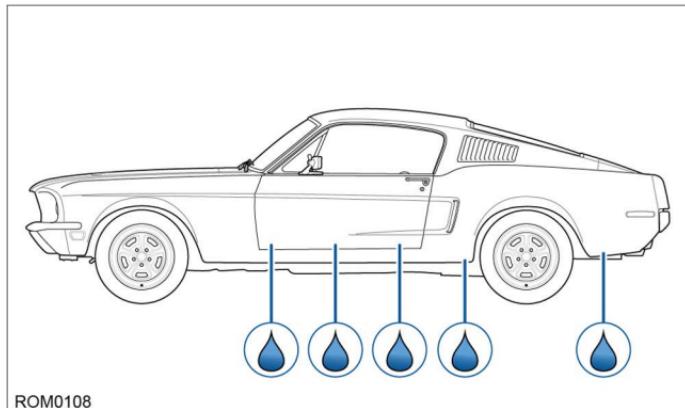
**CAUTION:** Avoid harsh chemicals or abrasive cleaners that can damage the paint surface.

*Note: While touch-up paint can effectively address minor imperfections, it may not completely conceal larger or deeper damages. For significant damage, consider consulting a professional automotive painter for expert repair.*

Touch-up paint is a useful tool for addressing minor scratches and chips on your vehicle's paint surface. Here are some suggestions to help you achieve the best results:

1. Clean the area around the scratch or chip thoroughly. Use a mild detergent and water to remove any dirt, grease, or wax. Allow the surface to dry completely before proceeding.
2. Before applying the paint, shake the touch-up paint bottle thoroughly to ensure proper mixing of the pigment. This helps achieve an even color distribution.
3. Test on a small inconspicuous area first to ensure a perfect color match and to practice your application technique.
4. Use the small brush or applicator provided with the touch-up paint to apply thin coats. Avoid applying too much paint at once, as it can lead to uneven surfaces and visible blobs.
5. After each coat, allow the paint to dry completely, this may take several minutes to an hour depending on the air temperature.
6. Once the touch-up paint has dried and cured, consider applying a clear coat over the repaired area. This adds an extra layer of protection and helps blend the repair further.

## Body Water Drains



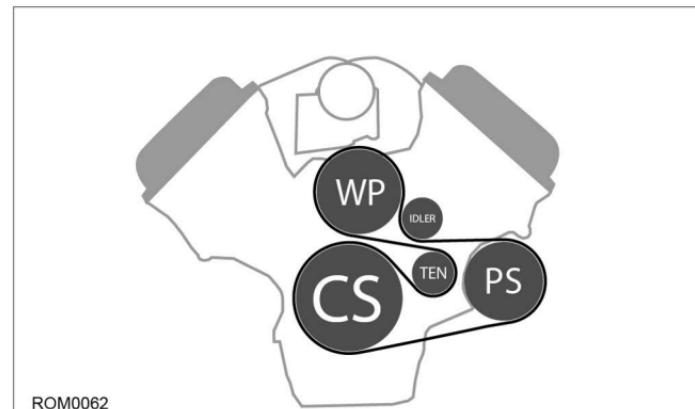
ROM0108

Periodically check the drain holes in the doors and the quarter panel to make sure they are clear of debris. Water can enter the body while washing or driving in the rain. The drain holes are designed to allow water to drain out of the body, so it doesn't get trapped and damage the body from the inside out. Clean out leaves and debris if necessary.

## Accessory Belt Routing

Your vehicle is equipped with two accessory belts. Check the following belt routing illustrations to help when replacing accessory belts.

### Both Engine Applications

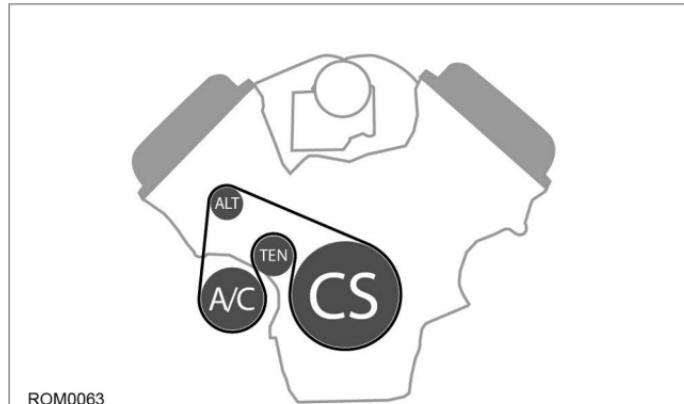


ROM0062

This belt routing applies to the naturally aspirated engine and the supercharged engine applications.

Belt Application	Part #	Brand
Water Pump and Power Steering	060690	Napa

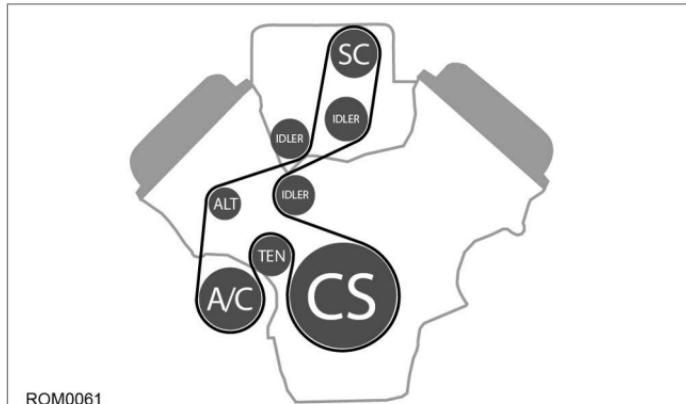
## Naturally Aspirated Engine Application



This belt routing specifically applies to the naturally aspirated engine application.

Belt Application	Part #	Brand
A/C and Alternator	K060525	Gates

## Supercharged Engine Application (if equipped)



This belt routing specifically applies to the supercharged engine application.

Belt Application	Part #	Brand
Supercharger, A/C, and Alternator	K060790	Gates

## Customer Assistance

Please have the following available when contacting Revology Cars LLC as they are essential to effectively and efficiently answer your questions or resolve your concerns.

- Owner's name and address
- Owner's telephone number
- Vehicle identification number (VIN)

Revology Cars LLC can be contacted as follows:

Revology Cars LLC  
2252 Commerce Park Drive  
Suite 350  
Orlando, FL 32819  
USA

Monday-Friday 8am to 5pm (Pacific Time)

Main Office Phone: **+1 (800) 974-4463**

24/7 US Support

Revology Cars Service Department: **+1 (407) 284-0430**  
(Revology Cell/Text)

24/7 Overseas Support

WhatsApp **+1 (407) 284-0430** / Revology Cars Service  
Department

For additional information about Revology Cars, visit the Revology Cars website: [www.revologycars.com](http://www.revologycars.com)



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REVOLOGY

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