

Venice Service Manual

Interior Trim

2. Interior Trim

2.1. Seats

The Vanderhall Venice Seats are a lightweight Aluminum frame with several densities of foam for support and comfort. The seats are upholstered with either Leather or Vinyl. Both versions of seat are equipped with electronic seat heaters.

2.1.1. Seat Hardware

2.1.1.1. Repair instructions

2.1.1.1.1. Fastener Specifications

Application	Specifications	
	Metric	English
Seat Rail to Chassis	20 Nm	15 ft. lb.
Seat Rail to Seat Frame	20 Nm	15 ft. lb.

2.1.1.1.2. Tools

5 mm Hex key Socket, 125mm in length

2.1.1.1.3. Removal

Slide the seat forward fully

Disconnect the wire for the seat heater

Slide the seat back fully

Remove the two front bolts from the seat rail

Slide the seat forward about 3 inches until the rear mounting bolts are visible through the seat back and seat bottom sections

Insert the Hex key through the opening between seat back and bottom cushions



Remove both Rear bolts

2.1.1.1.4. Installation

Place the seat on the chassis

- Ensure the heated seat wires are clear of the seat rails

Align the front seat rail bolts and tighten front bolts with fingers

Slide seat forward until the rear mounts are visible through the seat back and bottom cushions

Insert and tighten rear mounting bolts

- Insert the Hex key through the opening between seat back and bottom cushions



slide seat fully forward

connect the heated seat wiring

slide seat fully back

tighten the front mounting bolts

Venice Service Manual

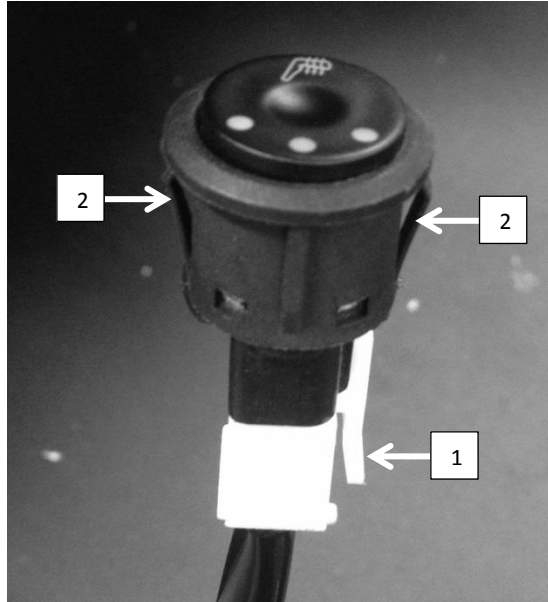
Interior Trim

2.1.2. Seat Heating

2.1.2.1. Seat heating Pads

The seat heating pad is integrated on to the seat frame upholstery and is not separately repairable

2.1.2.2. Seat heater Button



Heated Seat Button

Call Out	Component Name
Preliminary Procedures	
1. Remove dash panel hardware <u>REFER TO INTERIOR TRIM > INTERIOR TRIM AND PANELING > DASH</u>	
2. Pull dash panel out enough to access Heated Seat Switch retainer tabs	
3. Compress Heated Seat Switch retainer tabs	
4. Remove Heated Seat Switch	
1	Heated Seat Switch Button Electrical Harness
2	Heated Seat Switch retainer tabs

Venice Service Manual

Interior Trim



2.1.3. Seat Belts

2.1.3.1. Retractor

2.1.3.1.1. Fastener Specifications

Application	Specifications	
	Metric	English
Upper Seat Belt Guide	50 Nm	35 ft. lb.
Seat Belt Retractor	50 Nm	35 ft. lb.
Lower Seat Belt Mount	50 Nm	35 ft. lb.

2.1.3.1.2. Tools

14mm Socket
16mm Wrench
16mm Socket
10" Extension
6" Extension

2.1.3.1.3. Removal

Slide Both Passenger and Driver seats fully forward
Remove The Tail Body section, **REFER TO BODY REPAIR > EXTERIOR BODY PANELS > TAIL**
Remove nut on Lower Seat Belt Mount
Remove nut on Upper Seat belt Guide
Remove nut on Retractor
Remove Retractor

2.1.3.1.4. Installation

Caution
When installing the Seat Belt Retractor a new nut must be used at each of the 3 mounting points

Feed Seat Belt through chassis
Insert and tighten mounting bolts are each of the three mounting points
Install the Tail Body Section, **REFER TO BODY REPAIR > EXTERIOR BODY PANELS > TAIL**

Venice Service Manual

Interior Trim



2.1.3.2. Seat Belt Latch

2.1.3.2.1. Fastener Specifications

Application	Specifications	
	Metric	English
Seat Belt Latch to chassis	50 Nm	35 ft. lb.

2.1.3.2.2. Tools

14mm Socket
16mm Wrench

2.1.3.2.3. Removal

Slide Seat fully forward
Remove the Rocker Body Panel, REFER TO BODY REPAIR > EXTERIOR BODY PANELS > ROCKERS
Remove the Seat Belt Latch

2.1.3.2.4. Installation

Caution
When installing the Seat Belt Latch a new nut must be used

Push Seatbelt Latch bolt through chassis
Install the Seatbelt Latch assembly
Tighten nut
Install The Rocker Body Panel, REFER TO BODY REPAIR > EXTERIOR BODY PANELS > ROCKERS

Venice Service Manual

Interior Trim



2.2. Floor Coverings

2.2.1. Repair Instructions

2.2.1.1. Interior Floor Carpet

2.2.1.1.1. Removal

Remove the Center Channel, REFER TO INTERIOR TRIM >INTERIOR TRIM AND PANELING >CENTER CHANNEL

If equipped Remove Driver and Passenger side Dead Pedals, Refer to, REFER TO INTERIOR TRIM >INTERIOR TRIM AND PANELING > DEAD PEDAL

If equipped remove the Traction plate, REFER TO INTERIOR TRIM >INTERIOR TRIM AND PANELING > TRACTION PLATE

Unsnap perimeter of carpet from the vehicle

- Use caution when pulling on carpet snaps, apply force perpendicular to snap to prevent tear out

Remove Carpet

2.2.1.1.2. Installation

Place Carpet in vehicle

Snap carpet perimeter to chassis

Re-install any accessories (Dead Pedals, Traction plate)

Install the Center Channel, REFER TO INTERIOR TRIM >INTERIOR TRIM AND PANELING >CENTER CHANNEL

Venice Service Manual

Interior Trim



2.2.1.2. Trunk Carpet

2.2.1.2.1. Tools

None

2.2.1.2.2. Removal

Slide Seats forward

Unsnap perimeter of carpet from the vehicle

- Use caution when pulling on carpet snaps, apply force perpendicular to snap to prevent tear out

Extract Carpet

2.2.1.2.3. Installation

Insert Carpet

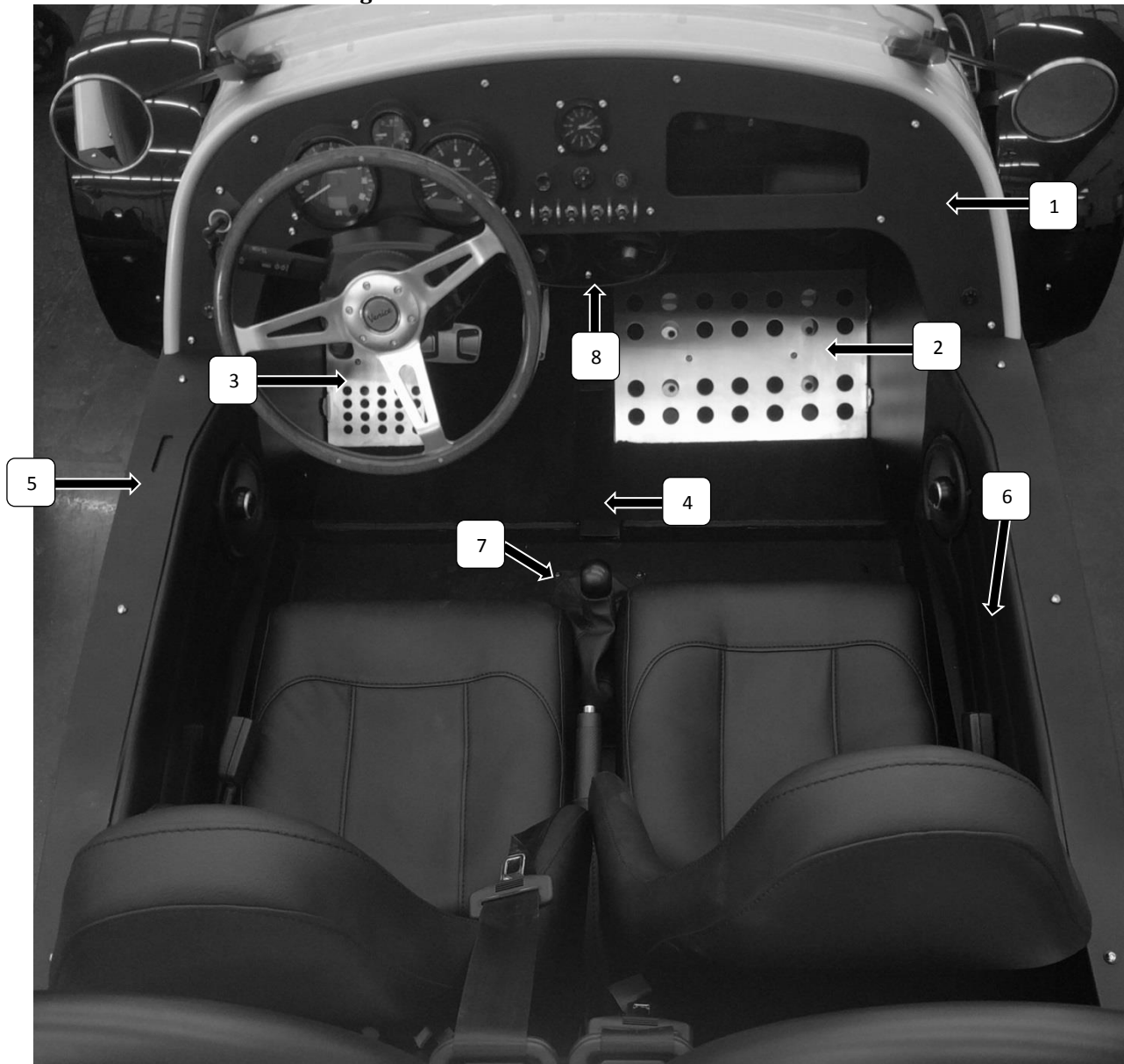
Fasten the snap connectors on the perimeter of the carpet to the vehicle

Return seats to driving positions

Venice Service Manual

Interior Trim

2.3. Interior Trim and Paneling



- 1 – Dash Panel
- 2 – Passenger Dead Pedal
- 3 – Driver Dead Pedal
- 4 – Center Channel

- 5 – Sill Plate
- 6 – Thigh Pad
- 7 – Shift Boot Surround
- 8 – Heater Vent Surround

Venice Service Manual

Interior Trim

2.3.1. Repair Instructions

2.3.1.1. Dash Panel



2.3.1.1.1. Fastener Specifications

Application	Specifications	
	Metric	English
Dash bolts	3Nm	25 in lb.

2.3.1.1.2. Tools

4mm Hex key

2.3.1.1.3. Removal

- Disconnect the Blend Door Cable from the Heater Box, **REFER TO OCCUPANT COMFORT AND ENTERTAINMENT > HEATING > BLEND DOOR CABLE**
- Remove the 14 6mm bolts securing the dash to the vehicle
- Gradually pull the dash out until the wiring harnesses can be accessed
- Disconnect the wiring harnesses from the switches, gauges, Audio and HVAC controls
- Remove the Dash panel

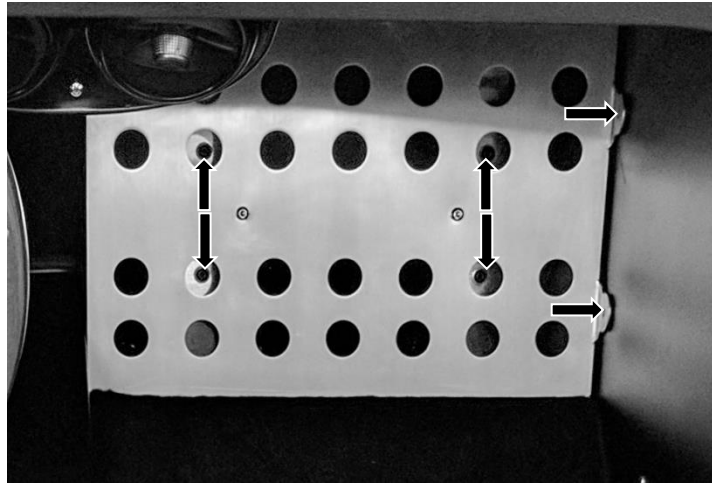
2.3.1.1.4. Installation

- Feed the blend door cable through the chassis and in to the passenger compartment
- Connect the Blend Door Cable to the Heater Box, **REFER TO OCCUPANT COMFORT AND ENTERTAINMENT > HEATING > BLEND DOOR CABLE**
- Connect the wiring harnesses for the switches, gauges, Audio and HVAC controls
- Install the 14 6mm bolts

Venice Service Manual

Interior Trim

2.3.1.2. Passenger Dead Pedal



2.3.1.2.1. Fastener Specifications

Application	Specifications	
	Metric	English
Dead pedal mounting bolts	3 Nm	25 in lb.

2.3.1.2.2. Tools

4mm Allen

2.3.1.2.3. Removal

- Inserting your tool through the open holes on the face of the dead pedal
 - Remove the 6, 6mm bolts securing the Passenger Dead Pedal to the vehicle
- Remove the Dead pedal

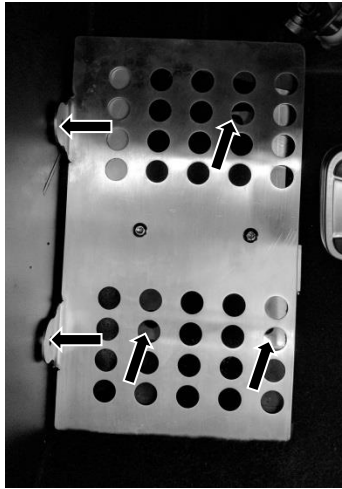
2.3.1.2.4. Installation

- Install the 6, 6mm bolts

Venice Service Manual

Interior Trim

2.3.1.3. Driver Dead Pedal



2.3.1.3.1. Fastener Specifications

Application	Specifications	
	Metric	English
Dead pedal mounting bolts	3 Nm	25 in lb.

2.3.1.3.2. Tools

4mm Allen

2.3.1.3.3. Removal

- Inserting your tool through the open holes on the face of the dead pedal
 - Remove the 5, 6mm bolts securing the Driver Dead Pedal to the vehicle
- Remove the Dead pedal

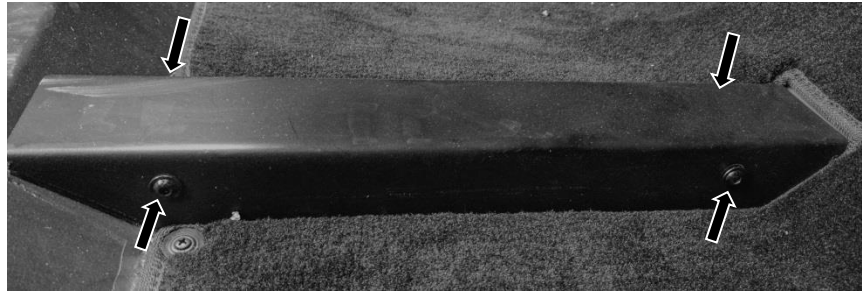
2.3.1.3.4. Installation

- Install the 5, 6mm bolts

Venice Service Manual

Interior Trim

2.3.1.4. Center Channel



2.3.1.4.1. Fastener Specifications

Application	Specifications	
	Metric	English
Center Channel to chassis	3 Nm	25 in lb.

2.3.1.4.2. Tools

4mm Allen

2.3.1.4.3. Removal

- Remove the 4, 6mm bolts
- Remove the Center Channel

2.3.1.4.4. Installation

- Install the 4, 6mm bolts

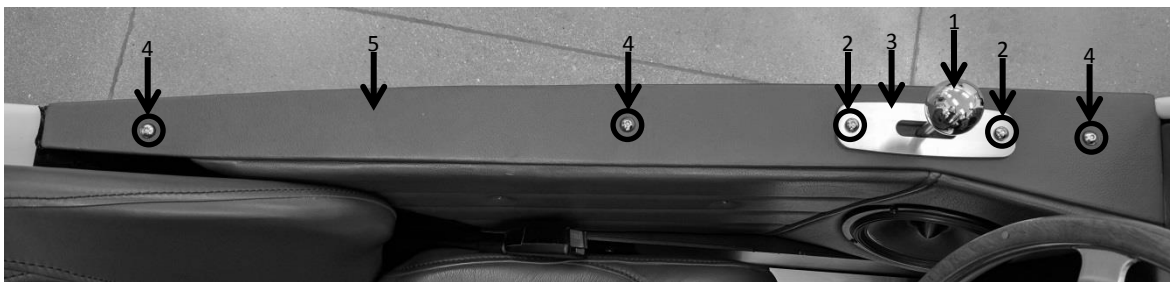
Venice Service Manual

Interior Trim

2.3.1.5. Sill Plate



Vehicle not equipped with Bump Shifter



Vehicle equipped with Bump Shifter

2.3.1.5.1. Fastener Specifications

Application	Specifications	
	Metric	English
Door Sill to Chassis	3 Nm	25 in lb.

2.3.1.5.2. Tools

4mm Allen

2.3.1.5.3. Removal

- If equipped with a Bump shifter remove the shift ball (1)
- Remove the 2 (2), 6mm bolts Bump Shift Plate (3)
- Remove the 3 (4) , 6mm bolts
- Remove the Sill Plate (5)

2.3.1.5.4. Installation

- Place the Sill Plate on the Chassis
- Install the 3, 6mm bolts

Venice Service Manual

Interior Trim



2.3.1.6. Thigh Pad

2.3.1.6.1. Fastener Specifications

Application	Specifications	
	Metric	English
Thigh Pad to Chassis	3 Nm	25 in lb.
Speaker to Chassis	3 Nm	25 in lb

2.3.1.6.2. Tools

4mm Allen

2.3.1.6.3. Removal

- Remove the speaker, REFER TO OCCUPANT COMFORT AND ENTERTAINMENT > STEREO > SPEAKERS
- Remove the 4, 6mm bolts from the Thigh Pad

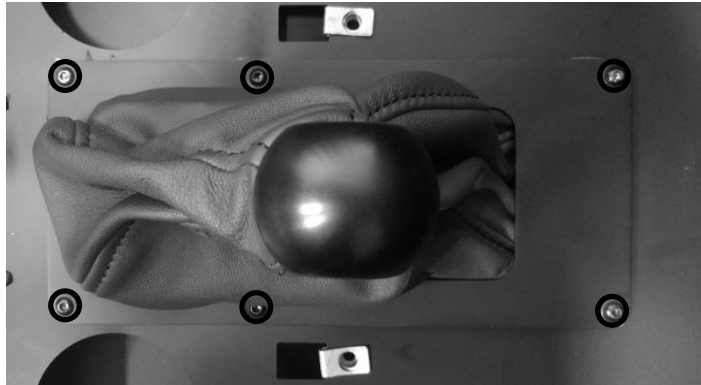
2.3.1.6.4. Installation

- Install the 4, 6mm bolts attaching the Thigh Pad to the Chassis
- Install the Speaker

Venice Service Manual

Interior Trim

2.3.1.7. Shift Boot Surround



2.3.1.7.1. Fastener Specifications

Application	Specifications	
	Metric	English
Shift boot surround to chassis	3 Nm	25 in lb.

2.3.1.7.2. Tools

4mm Allen

2.3.1.7.3. Removal

- Remove the seats
- Remove the 6, 6mm bolts from around the shift boot surround
- Remove the shift boot surround

2.3.1.7.4. Installation

Place the shift boot surround over the shift boot

Pull the shift boot taught and even around the shift mechanism

Tighten the 6, 6mm bolts

Venice Service Manual

Interior Trim

2.3.1.8. Traction Plate



The traction plate is an optional item and it replaces the Shift boot surround

2.3.1.8.1. Fastener Specifications

Application	Specifications	
	Metric	English
Traction Plate to Chassis	3.5 Nm	30 in lb.

2.3.1.8.2. Tools

4mm Allen

Caution

Do not operate the vehicle without the seat rails level.
Either use the Traction plate combined with the seat rail spacers, or nothing under the seat rails

2.3.1.8.3. Removal

- Remove the Seats, REFER TO INTERIOR TRIM > SEATS > SEAT HARDWARE
- Remove the 6, 6mm bolts from the Traction plate
- Remove the Traction Plate
- If necessary remove the 4 rear seat rail spacers

2.3.1.8.4. Installation

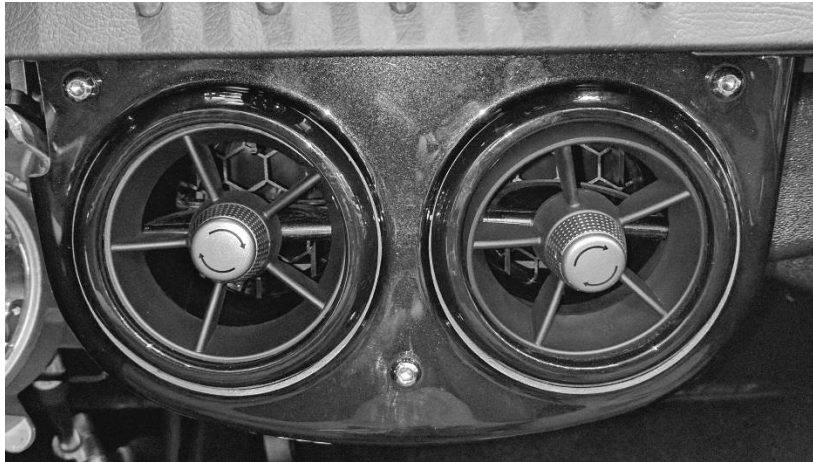
Prior to installation inspect the rubber trim on the bottom of the traction plate. Replace if damaged

- Install the 4 rear seat rail spacers
- Place the Traction plate in the vehicle
- Install the 6, 6mm bolts in to the traction plate
- Install the Seats, REFER TO INTERIOR TRIM > SEATS > SEAT HARDWARE

Venice Service Manual

Interior Trim

2.3.1.9. Heater Vent Surround



2.3.1.9.1. Fastener Specifications

Application	Specifications	
	Metric	English
Heater Vent Surround Fasteners	3 Nm	25 in lb.

2.3.1.9.2. Tools

4mm Allen

2.3.1.9.3. Removal

- Remove the Heater Vents, [Refer to Heater Vents in Occupant Comfort and Entertainment](#)
- Remove the 3, 6mm bolts

2.3.1.9.4. Installation

- Install the 3, 6mm bolts
- Install the Heater Vents, [Refer to Heater Vents in Occupant Comfort and Entertainment](#)

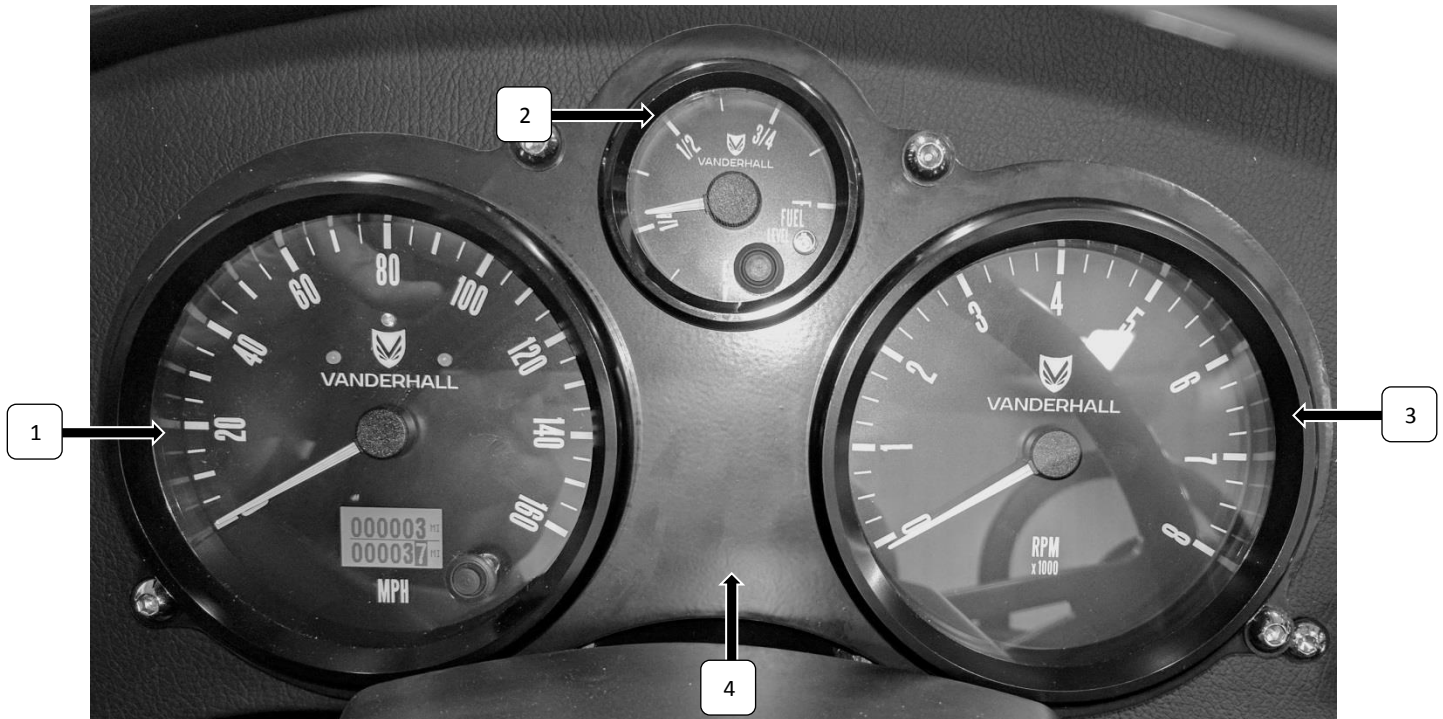
Venice Service Manual

Interior Trim



2.4. Gauges

The Vanderhall Venice is equipped with several gauges designed to give the driver critical information necessary for safe vehicle operation. Each of the gauges is a sealed unit and is not serviceable, should a unit fail it must be replaced



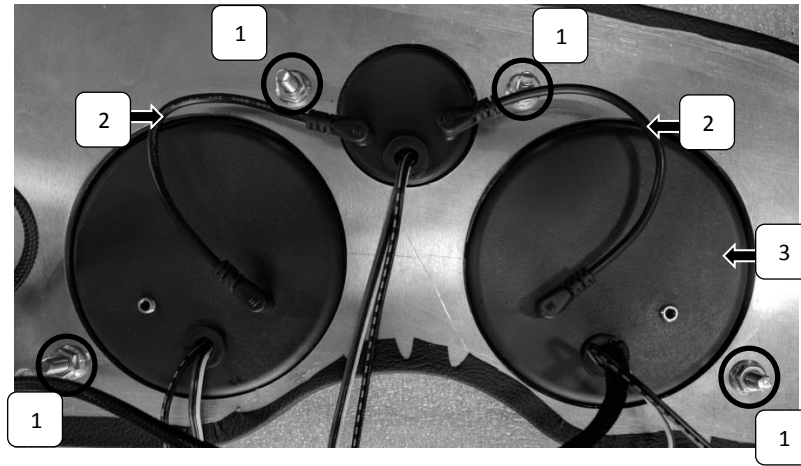
1. Speedometer
2. Fuel Level Gauge
3. Tachometer
4. Gauge Surround

The vehicle may also be equipped with an auxiliary gauge in the center of the dash; this gauge may be a Clock, Water Temperature, Oil Pressure, or Intake manifold Pressure.

Venice Service Manual

Interior Trim

2.4.1. Gauge Replacement



Callout	Component Name
Preliminary Procedures	
1. Remove The Dash <u>REFER TO INTERIOR TRIM > INTERIOR TRIM AND PANELING > DASH</u>	
1	Gauge Cluster nuts and bolts Tighten: 3.5 Nm, 30 in-lb
2	Daisy chain cable Pull to remove
3	Gauge Once separated from dash unscrew the collar from the gauge Tighten 3Nm, 25 in-lb