

CLUB CAR, LLC KIT INSTRUCTIONS - TPCC041408EN017 EDITION - I

4-PASSENGER CANOPY INSTALLATION

1. Kit Information

A. Vehicle Serial Prefixes

1) This Kit Instruction applies to vehicle serial prefixes:

AN, AP, AW, AX, AY, BH, BP, BR, BS, BT, BW, BZ, CF, DA, DL, DM, DU, DV, DW, DX, DZ, EK, JE, JF, JJ, PD, PH, PK, PR, PS, PT, SL, SM, SP, TE, TF, TJ, TK, TM, and TN

Note: Make sure that this kit is applicable for your vehicle. The serial prefix of your vehicle must be

listed to do this kit.

Note: It may be necessary to complete Kit Instruction TPCC041501EN017 "Bluetooth Sound

System Installation" before or at the same time as this Kit Instruction. Make sure your

vehicle is effected before you continue.

It may be necessary to complete Kit Instruction TPCC041407EN017 "Overhead Storage System Installation" before or at the same time as this Kit Instruction. Make sure your Note:

véhicle is effected before you continue.

B. Kits

1) This Kit Instruction applies to these kits:

KIT PART NUMBER	KIT TITLE
47570464001	Black Canopy Kit (80-Inches)
47570464002	White Canopy Kit (80-Inches)
47570464003	Beige Canopy Kit (80–Inches)
47583112001	Canopy Hardware kit
47592812001	4-Passenger Precedent Front Strut Kit
47592812002	4-Passenger Front Strut Kit
47592812004	Onward 3-Pin Wired Strut Kit
47638715001	Black Canopy Kit (117–Inches)
47638715002	White Canopy Kit (117-Inches)
47638715003	Beige Canopy Kit (117-Inches)



Note: Refer to Section 2 "Material Information" to find out which kits are necessary for your vehicle

serial prefix.

Note: You may order your this kit online at www.clubnet.com or contact Club Car Customer Service

at 1-888-CLUB-CAR (258-2227).

Note: The two front canopy struts, support covers, and attaching hardware are not included in

these kits, but are shipped with the vehicle.

C. Description

1) This kit supplies instructions on how to correctly install the 4-Passenger Canopy.

D. Compliance

1) Optional - At the option of the vehicle owner.

E. Labor Hours

1) Estimated labor hours necessary to perform this Kit Instruction:

KIT PART NUMBER	TITLE	LABOR HOURS
47570464001	Black Canopy Kit	0.25
47570464002	White Canopy Kit	0.25
47570464003	Beige Canopy Kit	0.25
47592812001	4-Passenger Precedent Front Strut Kit	0.25
47592812002	4-Passenger Front Strut Kit	0.25
47592812004	Onward 3-Pin Wired Strut Kit	0.25
47638715001	Black Canopy Kit (117–Inches)	0.25
47638715002	White Canopy Kit (117–Inches)	0.25
47638715003	Beige Canopy Kit (117–Inches)	0.25

Note: Accomplishment of these instructions will require the assistance of one (1) other person.

F. Vehicle Weight Change

1) On vehicles installing a 47570464001, 47570464002, or 47570464001 canopy kit, vehicle weight will increase by 30.0 lb (13.6 Kg).

Note: Make sure to update the vehicle load data. Weight changes must be applied to the cargo section.

2) <u>On vehicles installing a 47638715001, 47638715002, or 47638715003 canopy kit</u>, vehicle weight will increase by 39.6 lb (18.0 Kg).

Note: Make sure to update the vehicle load data. Weight changes must be applied to the cargo section.

G. Vehicle Electrical Load Change

1) None.



H. Tools

1) Common shop tools are required to perform this Kit Instruction. No specialty tools are required.

I. Supplies

1) Supplies necessary to perform this Kit Instruction:

SUPPLY	PART NUMBER / MANUFACTURER
Loctite Threadlocker Blue 242	Commercially Available

2. Material Information

A. Parts Required

1) The 47592812001 Kit contains these items and is effective for vehicle serial prefixes: AN, AP, CF, DZ, EK, JE, JF, JJ, PD, PH, PK, PR, PS, PT, SL, SM, SP, TE, TJ, ZT, and ZU.

PART NUMBER	DESCRIPTION	QTY
102299065	Bolt	4
102400002	Canopy Support Cover (Driver-side)	1
1024000102	Canopy Support Cover (Passenger-side)	1
102544201	Screw	2
102581201	Plug	2
103750001	Front Strut (Passenger-side)	1
103750101	Front Strut (Driver-side)	1

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

2) The 47592812002 Kit contains these items and is effective for vehicle serial prefixes: BP, BR, and BT.

PART NUMBER	DESCRIPTION	QTY
102299065	Bolt	4
47589920001	Canopy Support Cover (Driver-side)	1
47589920002	Canopy Support Cover (Passenger-side)	1
102544201	Screw	2
102581201	Plug	2
103750001	Front Strut (Passenger-side)	1
103750101	Front Strut (Driver-side)	1



3) The 47592812004 Kit contains these items and is effective for vehicle serial prefixes: AW, AX, AY, BH, BS, BW, BZ, DA, DL, DM, DU, DV, DW, DX, TF, TK, TM, and TN.

PART NUMBER	DESCRIPTION	QTY
102299065	Bolt	4
102544201	Screw	2
102581201	Plug	2
103750101	Front Canopy Strut (Driver-side)	1
47561477002	Visage Strut Assembly (Passenger-side)	1
47631793001	Front Strut Cover (Driver-side)	1
47634205002	Grab Handle Kit	1
47716377001	Rectangle Plug	1

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

4) The 47570464001 Kit contains these items and is effective for vehicles installing a black 80–inch canopy top.

PART NUMBER	DESCRIPTION	QTY
47723766001	Canopy Top (Black)	1
47582820001	Rear Canopy Strut (Driver-side)	1
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112001	Canopy Hardware Kit	1

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

5) The 47570464002 Kit contains these items and is effective for vehicles installing a white 80–inch canopy top.

PART NUMBER	DESCRIPTION	QTY
47723766002	Canopy Top (White)	1
47582820001	Rear Canopy Strut (Driver-side)	1



PART NUMBER	DESCRIPTION	QTY
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112001	Canopy Hardware Kit	1

6) The 47570464003 Kit contains these items and is effective for vehicles installing a beige 80–inch canopy top.

PART NUMBER	DESCRIPTION	QTY
47723766003	Canopy Top (Beige)	1
47582820001	Rear Canopy Strut (Driver-side)	1
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112001	Canopy Hardware Kit	1

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

7) The 47583112001 Kit contains these items and is included in Kits 47570464001, 47570464002, and 47570464003.

PART NUMBER	DESCRIPTION	QTY
47583112001_1	Washer	32
47583112001_2	Bolt (1/4-20 X 2.5)	4
47583112001_3	Bolt (1/4-20 X 1.5)	8
47583112001_4	Bolt (1/4-20 X 1.75)	4
47583112001_5	Nut (1/4-20)	8
47583112001_6	Nut (1/4-20 Jam)	8

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

8) The 47638715001 Kit contains these items and is effective for vehicles installing a black 117-inch canopy top.



PART NUMBER	DESCRIPTION	QTY
47723767001	Canopy Top (Black)	1
47582820001	Rear Canopy Strut (Driver-side)	1
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112002	Canopy Hardware Kit	1

9) The 47638715002 Kit contains these items and is effective for vehicles installing a white 117-inch canopy top.

PART NUMBER	DESCRIPTION	QTY
47723767002	Canopy Top (White)	1
47582820001	Rear Canopy Strut (Driver-side)	1
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112002	Canopy Hardware Kit	1

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

10) The 47638715003 Kit contains these items and is effective for vehicles installing a beige 117-inch canopy top.

PART NUMBER	DESCRIPTION	QTY
47723767003	Canopy Top (Beige)	1
47582820001	Rear Canopy Strut (Driver-side)	1
47582820002	Rear Canopy Strut (Passenger-side)	1
47732592001	Front Canopy Bracket (Driver-side)	1
47732592002	Front Canopy Bracket (Passenger-side)	1
47583112002	Canopy Hardware Kit	1



11) The 47583112001 Kit contains these items and is included in Kits 47638715001, 47638715002, and 47638715003.

PART NUMBER	DESCRIPTION	QTY
47583112001_1	Washer	32
47583112001_2	Bolt (1/4-20 X 2.5)	4
47583112001_3	Bolt (1/4-20 X 1.5)	8
47583112001_4	Bolt (1/4-20 X 1.75)	4
47583112001_5	Nut (1/4-20)	8
47583112001_6	Nut (1/4–20 Jam)	8

Note: Hardware contained in this kit may be different than the quantity shown as hardware is supplied in pre-packaged quantities.

3. Safety Information



CHARGING LEAD-ACID BATTERIES EMIT HYDROGEN GAS, THAT IS EXPLOSIVE ABOVE 2% AIR CONCENTRATION. CHARGE THE BATTERIES IN A VENTILATED AREA WITHOUT COVERS OR ENCLOSURES.

BATTERY ACID CAN CAUSE SERIOUS BURNS. PREVENT CONTACT WITH SKIN, EYES, AND CLOTHING. WEAR A FULL FACE SHIELD AND RUBBER GLOVES WHEN SERVICING A BATTERY. ANTIDOTES: EXTERNAL: FLUSH WITH WATER. CALL A PHYSICIAN IMMEDIATELY. INTERNAL: DRINK LARGE QUANTITIES OF MILK OR WATER FOLLOWED WITH MILK OF MAGNESIA OR VEGETABLE OIL. CALL A PHYSICIAN IMMEDIATELY. EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.

FUEL IS FLAMMABLE AND EXPLOSIVE. DO NOT SMOKE. KEEP SPARKS AND OPEN FLAMES AWAY FROM THE VEHICLE AND SERVICING AREA. DO THE SERVICING OF THE VEHICLE IN A VENTILATED AREA.

THE ENGINE PRODUCES THE DEADLY POISON CARBON MONOXIDE. DO NOT OPERATE THE ENGINE IN AN ENCLOSED AREA WITHOUT CORRECT VENTILATION.

MARNING

FOLLOW THE PROCEDURES EXACTLY AS STATED IN THIS INSTRUCTION. UNDERSTAND AND OBEY ALL DANGER, WARNING, CAUTION, AND NOTICE STATEMENTS IN THIS INSTRUCTION AS WELL AS ON THE VEHICLE.



ONLY TRAINED TECHNICIANS SHOULD SERVICE OR REPAIR THE VEHICLE. ANYONE DOING EVEN SIMPLE REPAIRS OR SERVICE SHOULD HAVE KNOWLEDGE AND EXPERIENCE IN ELECTRICAL AND MECHANICAL REPAIR. THE APPROPRIATE INSTRUCTIONS MUST BE USED WHEN PERFORMING MAINTENANCE, SERVICE, OR ACCESSORY INSTALLATION.

PRIOR TO SERVICING THE VEHICLE OR LEAVING THE VEHICLE UNATTENDED, TURN OFF THE KEY SWITCH, REMOVE THE KEY, SET THE FORWARD NEUTRAL REVERSE CONTROL (FNR) TO NEUTRAL, ENGAGE THE PARK BRAKE, AND CHOCK THE WHEELS.

DO NOT WEAR LOOSE CLOTHING OR JEWELRY SUCH AS RINGS, WATCHES, CHAINS, ETC., WHEN SERVICING THE VEHICLE.

IF WIRES ARE REMOVED OR REPLACED, MAKE SURE WIRING AND WIRE HARNESS ARE PROPERLY ROUTED AND SECURED. FAILURE TO PROPERLY ROUTE AND SECURE WIRING CAN RESULT IN VEHICLE MALFUNCTION, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH.

4. Kit Instructions

Note: Questions regarding this Kit Instruction should be referred to your local dealer or distributor. Please

have your vehicle serial prefix and this Kit Instruction available when you call.

Note: Keep all removed components unless specified differently.

A. Pre-Servicing Instructions

- 1) Read and understand all safety information.
- 2) Make sure this kit is applicable for your vehicle. The serial prefix of your vehicle must be listed in the kit information vehicle serial prefixes.
- 3) Move the vehicle to an approved service area.
- 4) Disconnect external electrical power from the vehicle.
- 5) Disable the vehicle.
 - a) Fully engage the park brake to prevent unintended vehicle movement.
 - b) Turn the key to OFF and remove the key.
 - c) Set the Forward Neutral Reverse (FNR) Control to NEUTRAL.
 - d) On electric vehicles: Set the Tow/Run switch to TOW.
 - e) Put wheel chocks behind the wheels when servicing or repairing the vehicle.

B. Secure Canopy to Vehicle

Note: Figure 1 and Figure 2 supports the kit instruction steps for this section.

1) Make sure the front canopy struts (DS 1 - PN 103750101, PS 2 - PN 103750001 or P/N 4751477002) are properly oriented to the correct side of the vehicle.



Note: The lower profile of each front canopy strut follows the profile of the vehicle. If the front canopy struts are placed on the wrong side of the vehicle, they will not follow the vehicle's profile.

⚠ WARNING

DO NOT PINCH OR CRUSH THE FRONT STRUT ELECTRICAL HARNESS DURING THE INSTALLATION PROCESS. VISUALLY CHECK ELECTRICAL HARNESS IS CORRECTLY ROUTED BEFORE HARDWARE IS TIGHTENED.

- 2) Slide the lower portion of the front canopy struts (1 and 2) behind the mounting tab of the front body panel, and align the two mounting holes in with the corresponding holes in the vehicle. Apply Blue Loctite to the threads of two bolts (3 PN 102299065) and insert the bolts through each front canopy strut into the threaded holes in the vehicle. Tighten hardware 133 to 150 lb·in (15 to 17 N·m).
- 3) Slide the front support cover (DS 4 PN 102400002, 102420001, or 47631793001, PS 5 PN 102400102 or 102420002) over each front canopy strut (1 and 2) and align the mounting hole with the front body panel and the strut. Secure each cover with one screw (6 PN 102544201) and tighten to 26.5 lb⋅in (3 N⋅m).
- 4) Position the front canopy brackets (DS 7 P/N 47732592001, PS 8 P/N 47732592002) to the front canopy struts (1 and 2), align the mounting holes, and secure with four bolts (9 P/N 47583112001_3), eight washers (10 P/N 47583112001_1), and four nuts (11 P/N 47583112001_6). Make sure each front canopy bracket (7 and 8) is parallel with the canopy strut before torquing the hardware 48 to 59 lb·in (5.4 to 6.7 N·m).
- 5) Align the rear canopy struts (DS 13 P/N 47582820001, PS 14 P/N 47582820002) to the mounting slots on the corresponding seat back supports (15).
- 6) Finger tighten the hardware for each rear canopy support (13 and 14) to the seat back supports (15) with two bolts (16 P/N 47583112001_4), four washers (17 P/N 47583112001_1), and two nuts (18 P/N 47583112001_5). Hardware will be tightened in step 11.
- 7) With the aid of an assistant, lift the canopy (19 P/N 47723766001, P/N 47723766002, or P/N 47723766003) onto front and rear canopy struts.
- 8) Secure the front of the canopy (19) to each front canopy brackets (7 and 8) with two bolts (20 P/N 47583112001_3), four washers (21 P/N 47583112001_1), and two nuts (22 P/N 47583112001_6). The canopy bracket to canopy hardware utilizes the smaller nut (22). Make sure each front canopy bracket (7 and 8) is parallel with the canopy frame before torquing the hardware 48 to 59 lb·in (5.4 to 6.7 N·m).
- 9) Align the mounting holes of the rear canopy struts (13 and 14) to the canopy frame and finger tighten 4 bolts (23 P/N 47583112001_2), 8 washers (24 P/N 47583112001_1), and 4 nuts (25 P/N 47583112001_5). Hardware will be tightened in step 10.
- 10) Make sure the rear canopy struts (13 and 14) are parallel to the canopy frame, and torque the hardware 72 to 88 lb·in (8.1 to 9.9 N·m).
- 11) Torque hardware between rear canopy struts (13 and 14) and the rear seat support (14) 48 to 59 lb·in (5.4 to 6.7 N·m).
- 12) Insert one plug (12 P/N 102581201) into end of the driver-side front canopy strut (1).
- 13) Insert one plug (12 P/N 102581201 or 47716377001) into end of the passenger-side front canopy strut (2).
- C. Post-Servicing Instructions
 - 1) Fully engage the park brake to prevent unintended vehicle movement.
 - 2) On electric vehicles: Set the Tow/Run switch to RUN.
 - 3) Remove the wheel chocks.
 - 4) Set the Forward Neutral Reverse (FNR) Control to NEUTRAL.



D. Satisfaction And Feedback

1) Complete the Technical Publication Satisfaction And Feedback form.

Let your voice be heard!

Your feedback will help improve our manuals. You can access the form through any internet-connected device with a web browser. The form is available in many different languages.





5. Illustrations

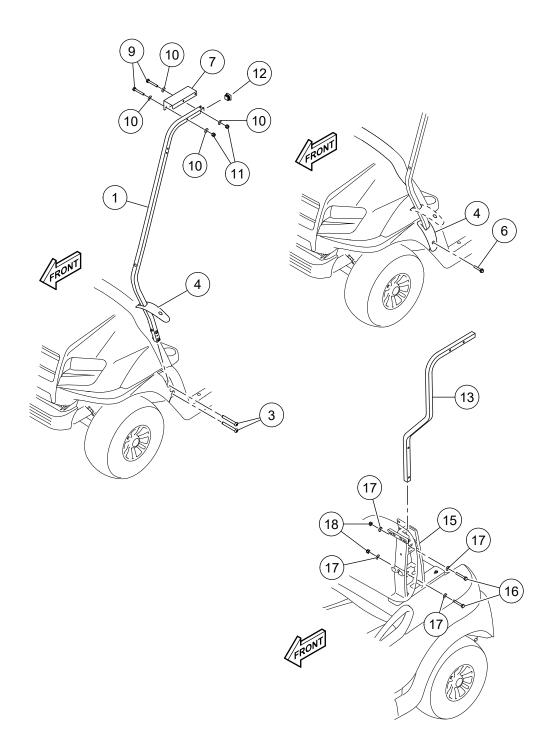
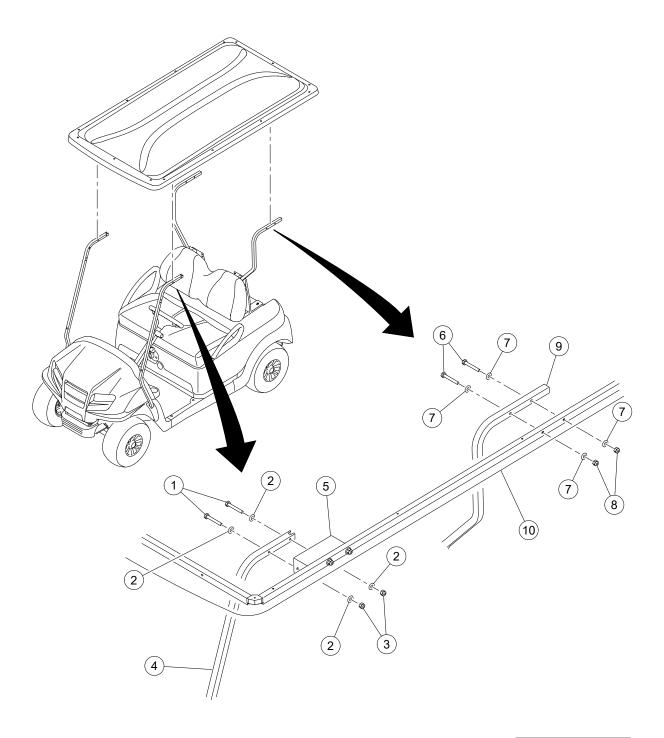


Figure 1 - Front And Rear Canopy Strut Installation





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Figure 2 - Canopy Installation