

Car Gear Shift Organizer

A softly quilted bottle holder with a separate phone pocket, pen sleeve and fabric hanging loop.



The project at a glance

Finished bucket: approximately **12 cm diameter** × **16 cm high** (4.72 × 6.30 in). Back panel: **12 × 24 cm** (4.72 × 9.45 in). Skill level: confident beginner. Techniques: grid quilting, curved seams, lined pockets, binding and reinforced strap stitching.

Read before cutting

This is a reconstructed sewing method based on the supplied photographs, not a tested original pattern. It preserves the visible design, but exact construction cannot be confirmed from photographs. Make a scrap-fabric sample and check the bottle, phone and vehicle fit first.

All instructions are in English. New 3D illustrations explain the assembly; use the written cutting sizes as the authority. The supplied diagram is reproduced only on the last page.

Materials & cutting sizes

Allow 0.5 m (20 in) each of 110 cm-wide outer cotton canvas and lining, 0.4 m thin batting, 0.3 m medium fusible interfacing, matching polyester thread and about 1 m of 4 cm-wide bias strips. Use a sewing machine, suitable needle, walking foot if available, ruler, clips, iron and removable marker.

Cutting rule: all sizes below include 1 cm (0.39 in) seam allowances unless stated otherwise. Metric dimensions control the fit; inch values are approximate. Prewash fabric. Quilt oversized pieces first, then trim to the stated sizes.

Piece	Cut size: cm (in)	Quantity / material
Bucket wall	39.7 × 17 (15.63 × 6.69)	1 outer + 1 lining
Round base	14 diameter (5.51)	1 outer + 1 lining
Tall back panel	14 × 26 (5.51 × 10.24)	1 outer + 1 lining
Phone pocket	14 × 20 (5.51 × 7.87)	1 outer + 1 lining
Hanging loop	8 × 40 (3.15 × 15.75)	1 outer
Pen sleeve	7 × 14 (2.76 × 5.51)	1 outer
Top binding	4 × 44 (1.57 × 17.32)	1 bias strip
Back-panel batting	12 × 24 (4.72 × 9.45)	1 thin batting
Wall / base batting	Oversize; trim after quilting	1 of each

Why these sizes fit together

The base seam line is a 12 cm circle: circumference = $12 \times \pi = 37.70$ cm. The wall width is 37.70 + two 1 cm seam allowances = 39.70 cm. The 17 cm wall loses 1 cm at the base; its top is bound, not folded.

Interfacing: cut to the finished panel areas, keeping it out of seam allowances. The phone pocket finishes about 12 cm wide × 18 cm high. Check your phone with its case; widen both pocket and back panel together if needed.



01 / Prepare & quilt



Layer the fabric

Cut the outer wall about 43 × 21 cm and an outer base square about 18 × 18 cm. Place each wrong side against thin batting. Baste with a long stitch or temporary fabric adhesive. Keep the lining separate so the final interior is clean.

Sew the grid

Mark lines 4 cm (1.57 in) apart vertically and horizontally to match the reference. For the diamond variation shown in the 3D illustrations, rotate the grid 45 degrees. Quilt from the center outward with a 2.8-3 mm straight stitch. Smooth each section before sewing. Do not stretch the fabric; use light pressure and a walking foot for even feeding.

Trim and mark

Press lightly, then trim the wall to 39.7 × 17 cm and cut the base as a 14 cm-diameter circle. On the wrong side of the base, draw a 12 cm-diameter seam-line circle. Mark the wall midpoint and quarter positions along its lower seam line. Mark the base quarters too.

Back panel shape: start with a 14 × 26 cm rectangle. Round only its two upper corners with a 3 cm radius; keep the lower corners square. Cut matching lining. The finished top corners will have a 2 cm radius after sewing.

02 / Back, pocket & loop



Make the phone pocket

Place the two 14 × 20 cm pocket pieces right sides together. Sew all around at 1 cm, leaving a 5 cm turning gap in the bottom. Clip corners, turn and press. Topstitch the upper edge only. Center the finished pocket on the outer back panel, with its bottom 2 cm above the raw lower edge. Stitch its two sides and bottom 2 mm from the edge; reinforce both top corners.

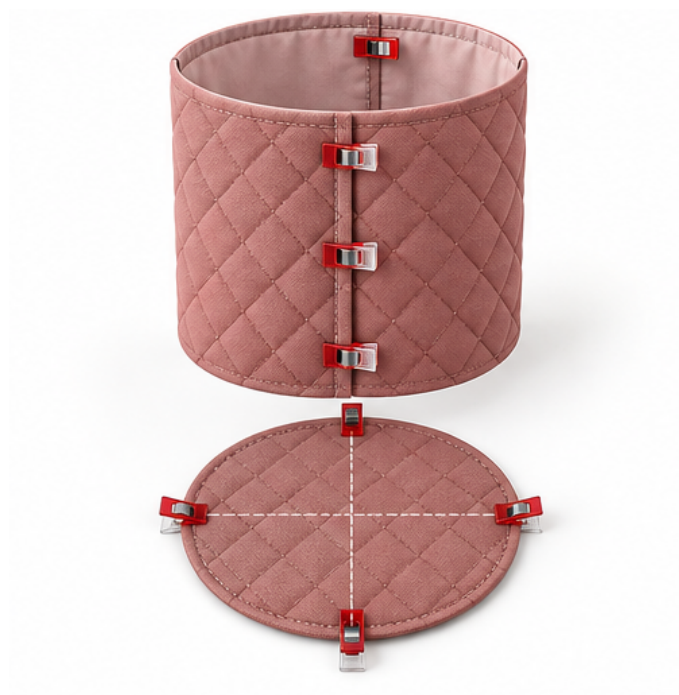
Add the hanging loop

Fold the 8 × 40 cm strip in half lengthwise and press. Open, fold both long edges to the center, then fold closed to make a 2 cm-wide strap. Edgestitch both sides. Baste its two ends to the top of the back panel, 6 cm apart, raw ends aligned with the panel edge. Keep the loop down over the pocket, inside the panel outline.

Finish the back panel

Add thin batting and interfacing to the outer panel, avoiding seams. Place lining right sides together over the outer panel, trapping the loop ends. Sew at 1 cm, leaving 6 cm open at the bottom. Clip curves, turn, press and close the opening. Topstitch the perimeter. Secure each loop end with a small box-and-X through all layers just below the top seam.

03 / Sew the outer bucket



Prepare the pen sleeve

On the 7 × 14 cm strip, turn the top edge under 0.5 cm twice and stitch. Turn the bottom under 1 cm, then turn each long side under 1 cm. The sleeve now measures 5 × 12 cm. On the wall, place its folded side edges only 3 cm apart, creating 2 cm of fullness for the pen. Place its bottom 3 cm above the raw base edge and position it near the right-hand side, away from the rear seam. Stitch sides and bottom; leave the top open.

Close the cylinder

Bring the two 17 cm short edges of the quilted wall together, right sides facing. Sew a 1 cm seam and press it open. This is the center-back seam. Mark the opposite front point, then the two sides, dividing the lower seam line into four equal parts.

Insert the round base

With the cylinder inside out, place the base right sides together against its lower opening. Match all quarter marks at the seam line and clip between them. Sew on the marked 12 cm circle, slowly rotating the work. Ease the wall around the curve; do not make pleats. Clip the seam allowance every 1-2 cm without cutting the stitching. Turn right side out.

04 / Lining & back assembly



Make the lining bucket

Join the short sides of the lining wall at 1 cm, leaving a 6 cm opening at mid-height in the rear seam. Backstitch at both ends of this gap. Sew in the lining base using the same quarter marks and 1 cm allowance. Clip the curve. Leave the lining wrong side out.

Attach the tall back panel

Flatten the empty outer bucket gently with its rear seam centered. Place the finished back panel against the OUTSIDE rear wall, its plain back touching the bucket and its phone pocket facing forward into the bucket. Align the panel bottom with the bucket bottom; the panel rises about 8 cm above the rim.

Lift the phone pocket out of the way and keep the opposite bucket wall clear. From inside the empty bucket, sew through the rear wall and back panel in two horizontal rows: approximately 2 cm and 14 cm above the bucket base. Make each row 8 cm long, centered on the rear seam. Reinforce the ends. Do not stitch the phone pocket shut.

Nest the layers

Slide the lining into the bucket so the wrong sides of outer and lining fabrics face each other. Match their rear seams and raw upper edges. Baste around the rim 5 mm from the edge. The back panel stays outside and above the rear rim. Close the lining gap with a ladder stitch before binding.

05 / Bind & finish



Bind the open rim

Open the 4 × 44 cm bias strip and fold one short end under 1 cm. Starting at a side, place one long edge against the outside raw rim, right sides together. Sew 1 cm from the edge. At the back, keep the raised panel lifted clear and catch only the bucket rim and lining. Overlap the binding ends by 1 cm and trim the excess.

Fold for a neat interior

Wrap the strip over the raw rim. Turn its remaining raw edge under 1 cm and fold the binding to the inside, covering the first seam. Clip all around. Hand-slipstitch the inside fold to the lining, or stitch from the outside in the seam ditch after basting. Keep the opening round and avoid pulling the binding tight.

Final pressing and inspection

Press with a cloth and light steam appropriate for your fabric. Trim loose threads. Confirm that the phone pocket and pen sleeve remain open and that the lining is smooth. Check the loop anchors, panel attachment rows and base seam for skipped stitches. Restitch any weak areas before using the organizer.

Design note: the visible loop supports this version; it does not require a cutout slot in the back panel. Some shapes shown in the supplied reference sheet belong to a different construction variation.

Fit, care & printing guide

Check the fit while parked

Test with an empty bottle first. The nominal 12 cm bucket diameter is reduced slightly by padding and seams. A bottle about 7-9 cm across leaves room for the phone pocket. Check that the loop passes over the gear knob without force and that the organizer rests on the console rather than pulling on the lever.

With the vehicle safely parked, check clearance in every gear position. Keep the organizer clear of the gear mechanism, parking brake, switches, seat belts and pedals. If it touches or restricts a control, do not use it in that location. Use it only for light items and avoid open drinks.

Adjust before sewing the final version

To change the bucket size, choose finished diameter D and finished height H in centimeters. Cut the base diameter $D + 2$ cm. Cut the wall width $\pi \times D + 2$ cm and height $H + 1$ cm. Make a paper or scrap-fabric mock-up first. Changing diameter also changes the binding length; allow the finished circumference plus about 6 cm.

Common sewing problems

Base puckers: check that you matched seam lines, not raw-edge lengths; add more clips and sew slowly. **Rim ripples:** remove stretched binding and reapply without tension. **Phone pocket feels tight:** increase its width and the back panel width before cutting. **Bucket collapses:** use firmer canvas or add suitable interfacing to a new sample.

Care

Remove all contents. Spot-clean first; if the fabric and interfacing permit washing, wash gently in cool water and reshape while damp. Air-dry fully. Do not leave a wet organizer against the car interior. Inspect strap stitching regularly.

How to use the final reference page

The next page reproduces only the supplied pattern image, plus the requested footer. It is a reduced reference sheet, **not a full-size cutting template**. Its printed dimensions conflict with the source tutorial and with this reconstructed assembly. Do not trace it at print size or mix its dimensions with the cutting list.

For the sewable version in this guide: draft the rectangles and circle from page 2 on pattern paper with a ruler and compass, then shape the back-panel corners as explained on page 3. Print the instruction pages at a comfortable reading size; their scale does not control the pattern.



