



RUBY RACER

KNITTED RACE CAR PLUSHIE



Complete Digital Knitting Pattern

DIGITAL DOWNLOAD ONLY - NO PHYSICAL ITEM WILL BE SHIPPED

Skill level: confident beginner to intermediate

Digital Download Notice

PLEASE READ BEFORE BEGINNING

This PDF contains written instructions for making a knitted plushie. It is not a finished plushie, and no physical item will be shipped.

All measurements in this pattern are calculated design targets. Your finished dimensions may vary with yarn choice, needle size, tension, stuffing density, seaming and blocking.

The reference look uses a smooth, clearly defined chunky knit fabric. Avoid very fuzzy yarns if you want the cream stripe, checker panels, windshield edging and wheel details to remain crisp.

Pattern at a Glance

PATTERN FEATURE	DETAIL
Method	Flat knitting for the main body; small pieces knitted in the round
Main fabric	Stockinette stitch with seamed construction
Colorwork	Simple intarsia for the hood stripe, front stripe, checker panels and spoiler
Skills	Knit, purl, increases, decreases, joining in the round, mattress stitch, whipstitch, duplicate stitch
Construction	Two shaped side panels + top panel + bottom panel + front/rear caps; separate wheels, details and spoiler
Right/left	Always stated from the plushie's point of view

Section Guide

- Finished measurements, materials and gauge
- Abbreviations and technique notes
- Construction overview and orientation system
- Complete row-by-row body and feature instructions
- Placement maps, stuffing and assembly
- Final visual checklist, troubleshooting and customer notes

SAFETY NOTE

No safety eyes are required for this design. For a plushie intended for a child under 3 years, use only securely embroidered or knitted details, avoid buttons or loose embellishments, and check every seam before use.

Finished Measurements

Measurements below are design targets at the stated gauge. Measure the soft body without compressing it.

FEATURE	TARGET SIZE	HOW TO MEASURE
Overall length	28-30 cm / 11-11.75 in	Front bumper to rear body
Body width	14-15.5 cm / 5.5-6 in	Excluding wheels
Overall width	21-23.5 cm / 8.25-9.25 in	Including wheels
Body height	14-15 cm / 5.5-6 in	Bottom body to roof
Overall height	17-19 cm / 6.75-7.5 in	Including spoiler
Wheel diameter	8.5-9.5 cm / 3.25-3.75 in	Each wheel
Wheel depth	3.5-4 cm / 1.4-1.6 in	Each wheel
Windshield	11.5-12.5 x 5-6 cm	Approximate finished appliqué
Spoiler span	19-21 cm / 7.5-8.25 in	Gray end cap to gray end cap
Checker panel	10-11 x 5-6 cm	Each side panel

Materials and Tools

COLOR	APPROXIMATE AMOUNT	USED FOR
Red	250-275 g / 210-235 m	Main body, supports and spoiler
Cream	60-75 g / 50-65 m	Hood stripe, front stripe, number patch, headlights, checker panels, spoiler band
Black	100-120 g / 85-100 m	Tires, checker panels and embroidered number
Medium gray	85-105 g / 70-90 m	Windshield, bumper, wheel hubs and spoiler end caps

Smooth super-bulky yarn, CYC #6, preferably cotton/acrylic tube, chainette or tightly spun plush yarn with visible stitch definition.

6 mm (US 10) straight needles or a circular needle used flat.

6 mm DPNs or a short circular needle for wheel discs, headlights and spoiler end caps.

250-350 g washable polyester stuffing.

Tapestry needle, stitch markers, locking markers, pins, scissors, measuring tape and row counter.

Optional: a small amount of matching sewing thread for temporarily tacking appliqués before yarn seaming.

YARN BUYING TIP

The amounts include a practical working allowance. Buy all red yarn from the same dye lot and keep a little extra for seaming and final surface stitching.

Gauge

MAIN GAUGE
11 sts x 16 rows = 10 x 10 cm / 4 x 4 in in stockinette stitch after light blocking, using 6 mm needles.

WHEEL-TREAD SIZING
Garter-stitch row gauge differs from stockinette row gauge. Size each tread strip by fitting it around the blocked outer edge of a wheel disc rather than by using a fixed row count.

A dense fabric is important so stuffing does not show. If your fabric is loose, change to a smaller needle. If your gauge is tighter or looser, the finished plushie will be smaller or larger.

For small circular pieces, use the same needle size unless your center holes look open; then use a needle 0.5 mm smaller.

Abbreviations

ABBREVIATION	MEANING / METHOD
BO	Bind off
BOR	Beginning of round; this pattern has no BOR for the main body
CO	Cast on
DPN	Double-pointed needle
k	Knit
k2tog	Knit 2 stitches together; decreases 1 stitch
kfb	Knit into the front and back of the same stitch; increases 1 stitch
p	Purl
p2tog	Purl 2 stitches together; decreases 1 stitch
pfb	Purl into the front and back of the same stitch; increases 1 stitch
rep	Repeat
rnd	Round
RS	Right side of the fabric
ssk	Slip 1 knitwise, slip 1 knitwise, return both to left needle and knit together through back loops; decreases 1 stitch
st(s)	Stitch(es)
WS	Wrong side of the fabric

Technique Notes

- Intarsia: use a separate yarn source for each color block. Twist the old and new yarns together on the WS at every color change to prevent holes.
- Seaming: use mattress stitch on stockinette edges and whipstitch for appliqués. Sew about half a stitch in from each edge.
- Row-end matching: one side-panel row matches one row of the top or bottom panel. Match the numbered body stations before sewing.
- Stuffing: add small pieces gradually. Large clumps create lumps and can distort the wheel placement.

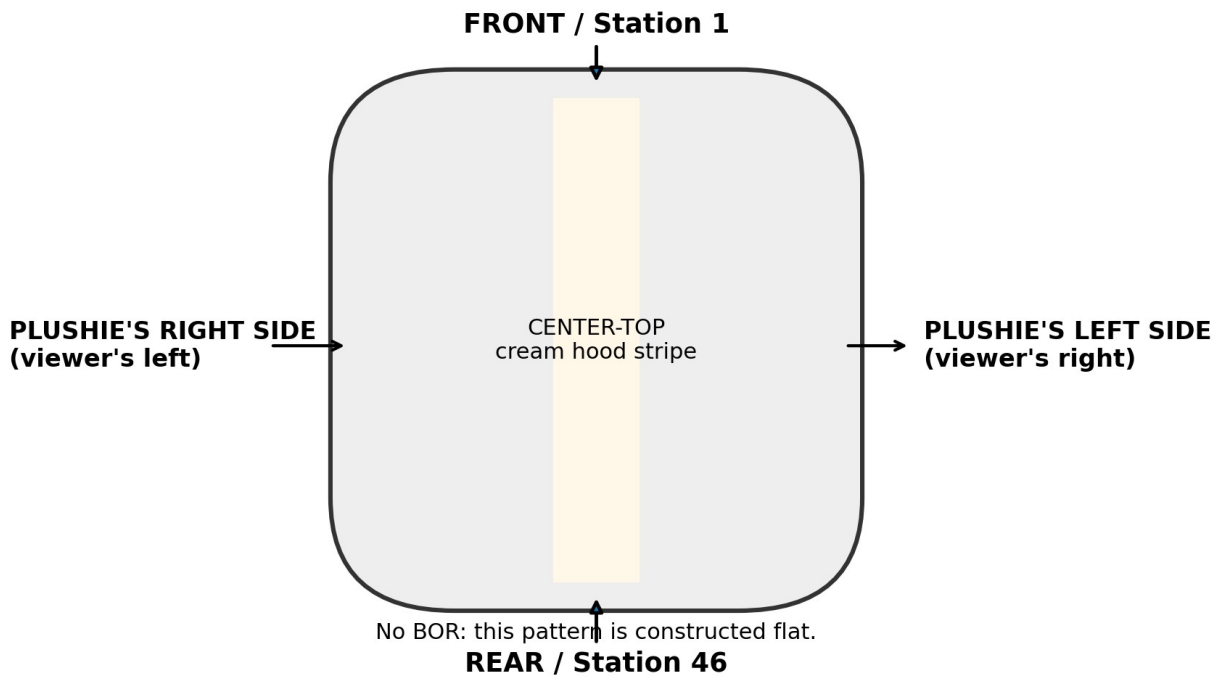
Construction Overview

The car body is a four-panel shell: one left side panel, one right side panel, one top panel and one bottom panel. A striped front cap and a plain rear cap close the two ends. The windshield, checker panels and number patch are sewn on while the panels are flat. The wheels and spoiler are assembled separately and attached after the main body is shaped.

The left side panel is worked in stockinette with its RS facing outward and is shaped at the last stitch of each odd-numbered row. The right side panel is worked in reverse stockinette with its WS facing outward and is mirrored by working all shaping at the first stitch of each odd-numbered row. When positioned for assembly, Row 1 remains at the front, the shaped edge is the upper contour and the straight edge is the lower body edge.

Orientation System

There is no BOR because the main body is knitted flat. Use BODY STATIONS 1-46 from front to rear. On both side panels and on the top and bottom panels, Row 1 is Station 1 at the front and Row 46 is Station 46 at the rear.



RIGHT AND LEFT

All right/left directions are from the plushie's point of view. With the car facing you, the plushie's right side appears on your left.

Pieces to Make

GROUP	PIECES
Main body	Left side 1; right side 1; top 1; bottom 1; front cap 1; rear cap 1
Decorative panels	Checker panels 2; windshield 1; number patch 1; headlights 2; bumper 1
Wheels	Wheel discs 8; tread strips 4
Spoiler	Spoiler bar 1; gray end caps 2; red supports 2

Main Body - Side Panels

SHAPED SIDE PANEL	MAKE 2	Red yarn
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With red yarn, CO 7 sts for each side panel.

Row 1 is the front on both panels. On the left panel, the first stitch of each odd-numbered row is the lower body edge and the last stitch is the upper contour edge. On the right panel, the first stitch of each odd-numbered row is the shaped edge that will become the upper contour when the panel is positioned WS outward; the last stitch forms the straight lower edge.

Left Side Panel

Work stockinette: knit on odd-numbered RS rows and purl on even-numbered WS rows. On an INC row, knit to the last st and kfb. On a DEC row, knit to the last 2 sts and k2tog.

Right Side Panel

Work reverse stockinette: purl all odd-numbered rows and knit all even-numbered rows. The WS is the outward-facing smooth knit side.

On an INC row: pfb in the first stitch, then purl to the end.
On a DEC row: p2tog, then purl to the end.
On a work-even odd-numbered row: purl all stitches.
On every even-numbered row: knit all stitches.

ROW	SHAPING ACTION	STITCH COUNT
1	Work even	7
2	Work even	7
3	Increase 1 at shaped edge	8
4	Work even	8
5	Increase 1 at shaped edge	9
6	Work even	9
7	Increase 1 at shaped edge	10
8	Work even	10
9	Work even	10
10	Work even	10
11	Increase 1 at shaped edge	11
12	Work even	11
13	Increase 1 at shaped edge	12
14	Work even	12
15	Increase 1 at shaped edge	13
16	Work even	13
17	Increase 1 at shaped edge	14
18	Work even	14
19	Increase 1 at shaped edge	15
20	Work even	15
21	Increase 1 at shaped edge	16
22	Work even	16
23	Work even	16

MARKER STEP

After Row 23, place a removable marker at the lower edge. This identifies Station 23 while you continue the panel.

Main Body - Side Panels Continued

ROW	SHAPING ACTION	STITCH COUNT
24	Work even	16
25	Work even	16
26	Work even	16
27	Decrease 1 at shaped edge	15
28	Work even	15
29	Decrease 1 at shaped edge	14
30	Work even	14
31	Decrease 1 at shaped edge	13
32	Work even	13
33	Decrease 1 at shaped edge	12
34	Work even	12
35	Work even	12
36	Work even	12
37	Work even	12
38	Work even	12
39	Decrease 1 at shaped edge	11
40	Work even	11
41	Decrease 1 at shaped edge	10
42	Work even	10
43	Decrease 1 at shaped edge	9
44	Work even	9
45	Decrease 1 at shaped edge	8
46	Work even	8

After Row 46, BO all 8 sts. Leave a 50 cm tail for joining the rear edge. Make the second panel using the reverse-stockinette directions above.

Checker Side Panels

CHECKER PANEL	MAKE 2	Cream and black yarn
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For the left checker panel, CO 12 sts in this colour order: black 3, cream 3, black 3, cream 3.
For the right checker panel, CO 12 sts in this colour order: cream 3, black 3, cream 3, black 3.
Mark the first-stitch selvage of the left checker panel as FRONT. Mark the last-stitch selvage of the right checker panel as FRONT. When correctly oriented, the upper and lower blocks at the front edge of both completed panels are black.

ROWS / PANEL	COLOR ORDER ON RS	COUNT
Rows 1-3 - Left panel	Black 3, cream 3, black 3, cream 3	12
Rows 4-6 - Left panel	Cream 3, black 3, cream 3, black 3	12
Rows 7-9 - Left panel	Black 3, cream 3, black 3, cream 3	12
Rows 1-3 - Right panel	Cream 3, black 3, cream 3, black 3	12
Rows 4-6 - Right panel	Black 3, cream 3, black 3, cream 3	12
Rows 7-9 - Right panel	Cream 3, black 3, cream 3, black 3	12

Each checker is 12 sts wide and 9 rows high. Use separate small bobbins for each colour block. Every row has 12 sts. Work each odd row knitwise and each even row purlwise, preserving the stated colour columns. BO 12 sts after Row 9. Weave in intarsia ends on the WS without pulling the panel narrow.

DO NOT ATTACH YET

Block the checker panels lightly, then use the placement map later in this PDF before sewing them to the side panels.

Main Body - Top, Bottom and End Caps

TOP PANEL WITH HOOD STRIPE	MAKE 1	Red and cream yarn
Using three separate yarn sources, CO 12 sts in this order: red 4, cream 4, red 4.		
Use three yarn sources for Rows 1-15: red for the first side, cream for the 4 center stitches and a second red source for the other side. Row 1 is the front.		
ROW(S)	INSTRUCTION	COUNT
1	K red 4, cream 4, red 4	12
2	P colors as they appear	12
3	With first red yarn, kfb, k3; with cream, k4; with second red yarn, k3, kfb.	14
4	P colors as they appear	14
5	With first red yarn, kfb, k4; with cream, k4; with second red yarn, k4, kfb.	16
6-15	Stockinette: red 6, cream 4, red 6 on every row	16 each row
16	Cut the cream yarn and one red yarn source. With the remaining red yarn, p16. (16 sts)	16
17-38	Stockinette in red	16 each row
39	Ssk, k12, k2tog.	14
40-44	Stockinette in red	14 each row
45	Ssk, k10, k2tog.	12
46	P12 in red; BO 12	12
BOTTOM PANEL	MAKE 1	Red yarn

CO 12 sts. Rows 1-46: work stockinette stitch, beginning with a knit RS row. Keep 12 sts on every row. BO 12 sts after Row 46. Row 1 is the front.

FRONT CAP WITH CENTER STRIPE	MAKE 1	Red and cream yarn
Using three separate yarn sources, CO 8 sts in this order: red 2, cream 4, red 2.		
ROW	INSTRUCTION	COUNT
1	K red 2, cream 4, red 2	8
2	P colors as they appear	8
3	With first red yarn, kfb, k1; with cream, k4; with second red yarn, k1, kfb.	10
4	P colors as they appear	10
5	With first red yarn, kfb, k2; with cream, k4; with second red yarn, k2, kfb.	12
6	P colors as they appear	12
7	K red 4, cream 4, red 4	12
8	P colors as they appear	12
9	Ssk, red 2, cream 4, red 2, k2tog	10
10	P colors as they appear	10
11	With first red yarn, ssk, k1; with cream, k4; with second red yarn, k1, k2tog.	8
12	P colors as they appear; BO	8

REAR CAP	MAKE 1	Red yarn
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With red yarn, CO 8 sts.

ROW	INSTRUCTION	COUNT
1	K8	8
2	P8	8
3	Kfb, k6, kfb	10
4	P10	10
5	Kfb, k8, kfb	12
6	P12	12
7	K12	12
8	P12	12
9	K12	12
10	P12	12
11	Ssk, k8, k2tog	10
12	P10	10
13	Ssk, k6, k2tog	8
14	P8; BO	8

Decorative Knitted Details

WINDSHIELD	MAKE 1	Medium gray yarn
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With medium gray yarn, CO 14 sts.

ROW	INSTRUCTION	COUNT
1	K14	14
2	P14	14
3	K14	14
4	P14	14
5	Ssk, k10, k2tog	12
6	P12	12
7	Ssk, k8, k2tog	10
8	P10	10
9	Ssk, k6, k2tog	8
10	P8; BO	8

The CO edge is the lower/front edge. After sewing it in place, work a cream whipstitch around the outside edge, placing stitches about 8-10 mm apart.

OVAL NUMBER PATCH	MAKE 1	Cream yarn
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With cream yarn, CO 6 sts.

ROW	INSTRUCTION	COUNT
1	K6	6
2	P6	6
3	Kfb, k4, kfb	8
4	P8	8
5	K8	8
6	P8	8

ROW	INSTRUCTION	COUNT
7	Ssk, k4, k2tog	6
8	P6; BO	6

Lightly block into an oval. Embroider a black number 1 in the center: make a 5-row vertical stroke, add one short diagonal stitch at the upper left, and finish with a 3-stitch-wide base. The chart below shows the shape; each filled square represents one duplicate stitch or one short backstitch segment.

HEADLIGHT DISCS	MAKE 2	Cream yarn
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ROUND	INSTRUCTION	COUNT
Rnd 1	CO 6, distribute on DPNs, join without twisting, k6	6
Rnd 2	Kfb in every st	12
Rnd 3	K12; BO loosely	12

Pull the cast-on tail through the center to close the hole. Use the bind-off tail to cup the disc very slightly while sewing it to the front cap.

FRONT BUMPER	MAKE 1	Medium gray yarn
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CO 16 sts. Rows 1-6: knit every row for garter stitch, keeping 16 sts on every row. BO 16 sts. With cream yarn, add a loose running stitch one row below the upper long edge.

Wheels

WHEEL DISCS	MAKE 8	Gray and black yarn
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ROUND	INSTRUCTION	COUNT
Rnd 1	With gray, CO 8; distribute and join; k8	8
Rnd 2	Kfb in every st	16
Rnd 3	K16	16
Rnd 4	(K1, kfb) x 8	24
Rnd 5	Switch to black; k24	24
Rnd 6	(K2, kfb) x 8	32
Rnd 7	K32	32
Rnd 8	K32; BO loosely	32

Pull the cast-on tail firmly to close the center. Lightly steam or wet block each disc flat without stretching the black edge. Choose 4 discs as the outward-facing discs. On those 4 only, add a small cream French knot at the center and a loose cream running stitch around the outer edge of the gray hub.

BLACK TREAD STRIPS	MAKE 4	Black yarn
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CO 4 sts. Knit every row until the relaxed strip measures approximately 28.5-29.5 cm / 11.25-11.6 in and fits around the blocked 32-stitch outer edge of one wheel disc without stretching or gathering. End after an even-numbered row. BO 4 sts, leaving a 60 cm tail.

Assemble Each Wheel

Seam the short ends of one tread strip together to form a ring.
Fold the ring into four equal sections. Place markers at the seam, directly opposite the seam and halfway between those two points on both sides.
Mark each wheel disc at four equal points by counting 8 bound-off stitches between markers.
With black yarn, sew one disc to one side of the tread ring, matching quarter markers and easing the row ends evenly.
Add a small amount of stuffing. The wheel should be rounded at the tire but the gray hub should remain nearly flat.
Sew the second disc to the other side. Place the decorated disc on the outside.
Repeat until 4 complete wheels are made.

WHEEL FIRMNESS

Overstuffed wheels become ball-shaped and make the car unstable. Use only enough stuffing to hold the tire ring open.

Rear Spoiler

SPOILER BAR

MAKE 1

Red and cream yarn

CO 22 sts using intarsia colour blocks: red 8, cream 6, red 8. Rows 1-16: work stockinette, maintaining those 22 sts and the same colour columns on every row. BO 22 sts.

Fold the rectangle lengthwise with RS together so the cast-on and bind-off edges meet.
Seam across the 22-stitch length, turn RS out and lightly stuff to form a firm but not rigid bar.
Close both short ends. The gray end caps will cover the closures.

GRAY SPOILER END CAPS

MAKE 2

Medium gray yarn

ROUND	INSTRUCTION	COUNT
Rnd 1	CO 8; distribute and join; k8	8
Rnd 2	Kfb in every st	16
Rnd 3	K16; BO loosely	16

Close each center hole and sew one cap to each end of the spoiler bar, allowing the gray edge to sit slightly proud of the red tube.

SPOILER SUPPORTS

MAKE 2

Red yarn

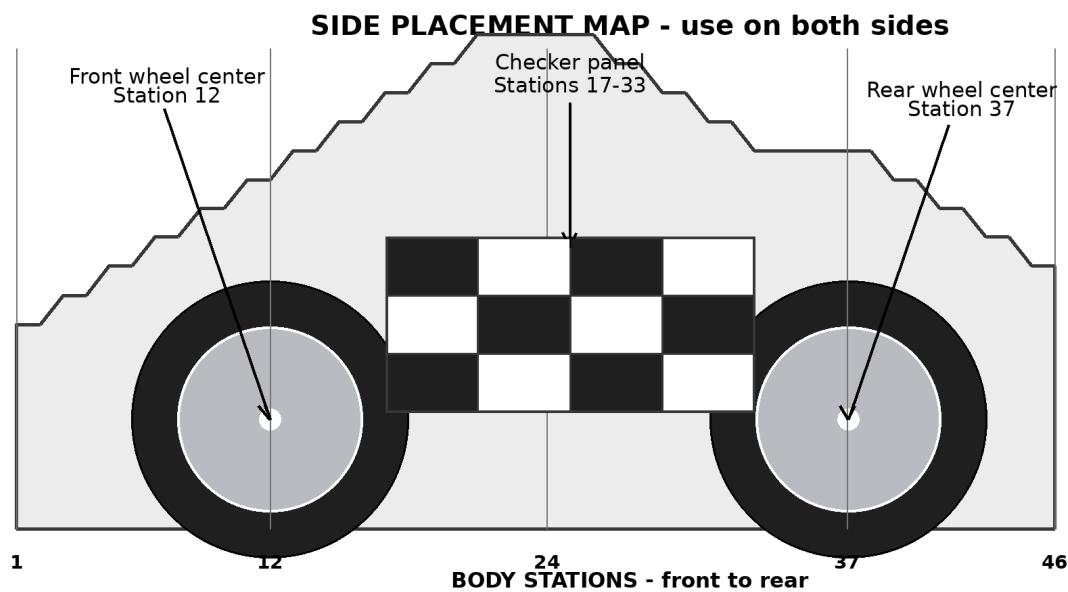
CO 4 sts. Rows 1-6: work stockinette, keeping 4 sts on every row. BO 4 sts. Fold each strip lengthwise, seam the long edges, turn RS out and add only a pinch of stuffing.

Spoiler Shape Check

The cream band must be centered over the cream hood stripe when viewed from the front.
The gray end caps should extend evenly beyond both sides of the body.
The support tubes should be parallel and the bar should sit level, not tilted toward the front or rear.

Placement Maps - Side Features

Complete these placements while the side panels are still flat. Mark BODY STATIONS along the row-end edges before pinning.



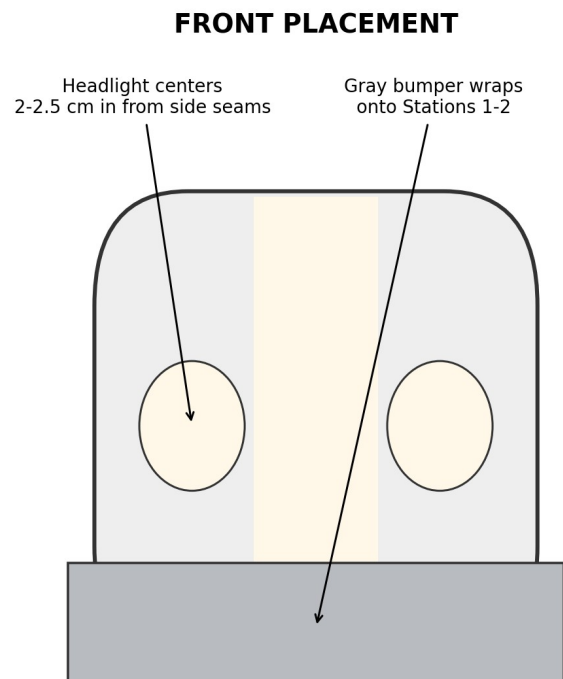
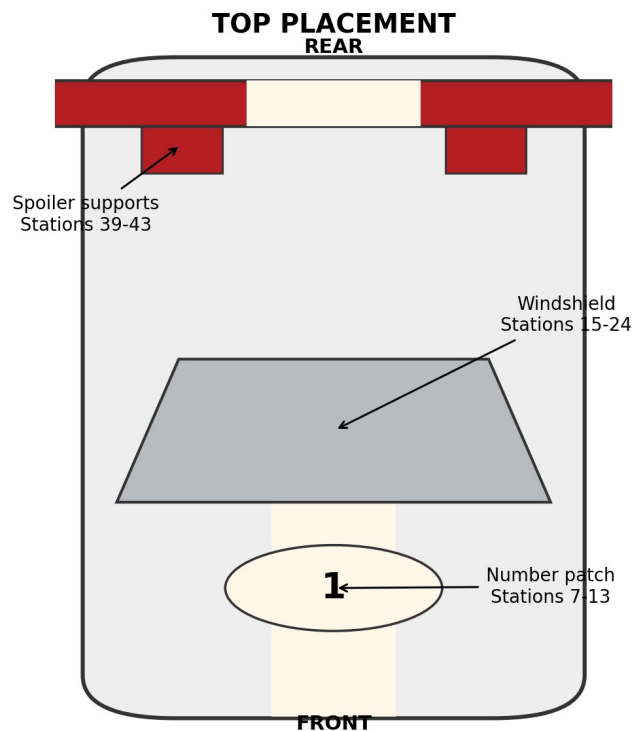
The diagram shows the finished front-to-rear colour orientation.
On both sides, the upper and lower checker blocks nearest the front wheel are black.

FEATURE	PLACEMENT
Checker panels	Place the selvedge marked FRONT at Station 17 and the opposite selvedge at Station 33. Place the lower edge about 3 sts above the lower body edge. Keep the panel parallel to the lower edge and let the upper corners follow the body contour.
Front wheel centers	Station 12, approximately 3.5 cm / 1.4 in above the lower body edge.
Rear wheel centers	Station 37, approximately 3.5 cm / 1.4 in above the lower body edge.
Wheel contact line	The bottom of every tire should extend 8-12 mm below the lower body edge so all four wheels support the plushie.
Decorative seam line	After body assembly, add cream running stitches along each top/side seam from Stations 5-29, spacing stitches about 12-15 mm apart.

MIRROR CHECK

Before sewing the second checker panel, place both side panels next to each other with their smooth knit faces upward. The checker patterns and wheel-center markers should appear as clean mirror images.

Placement Maps - Top and Front



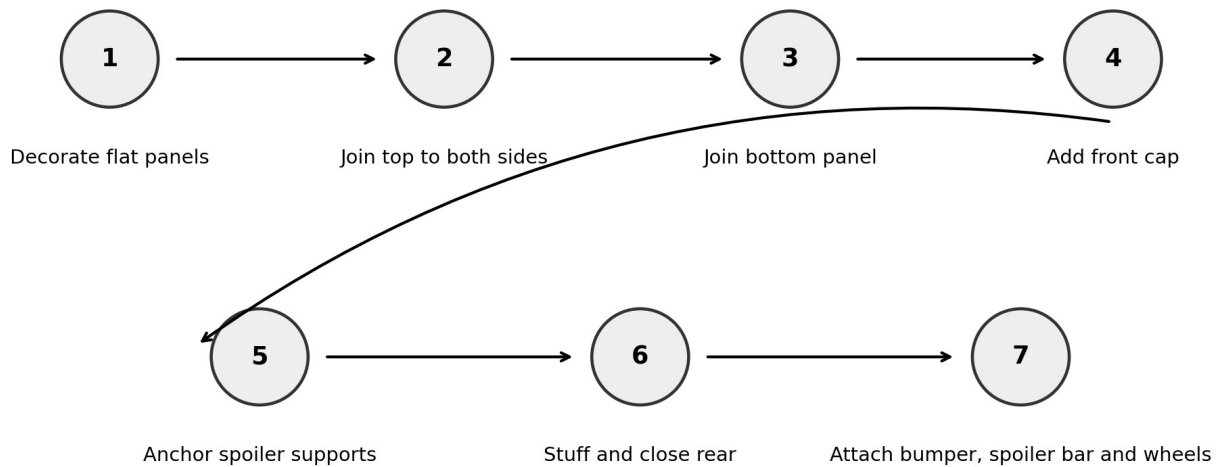
FEATURE	PLACEMENT
Number patch	Center on the cream stripe over Top Panel Stations 7-13. Keep its long axis side-to-side, perpendicular to the cream stripe.
Windshield	Center across the top panel. Place the 14-st cast-on edge at Station 15 and the 8-st top edge toward Station 24. The wide edge should hide the end of the cream hood stripe.
Headlights	On the front cap, center each disc 2-2.5 cm in from its side seam and about 2.5 cm above the lower seam. Keep both centers level.
Front bumper	Center along the bottom front. Curve the bumper around both lower corners so each end reaches onto Side Panel Stations 1-2.
Spoiler supports	Place bases over Top Panel Stations 39-43. Center one support on each red side block, the same distance from the cream centerline.
Spoiler bar	Center the cream band over the car centerline and allow equal gray overhang at right and left.

Pinning Sequence

- Pin the number patch, windshield and both checker panels first.
- View each panel from straight above or straight from the side; correct any tilt before sewing.
- Whipstitch appliqués close to their edges with matching yarn.
- Remove all temporary pins and loose guide threads before the main shell is closed.

Assembly - Main Body Shell

ASSEMBLY ORDER - keep the rear opening accessible until Step 6



1. Prepare the Flat Panels

Sew both checker panels to the side panels using the side placement map.

Sew the number patch and windshield to the top panel. Embroider the black number 1 and add the cream windshield edging. Sew the two headlights to the front cap. Add a tiny pinch of stuffing beneath each disc before the final stitches if a raised look is desired.

Place removable station markers at Stations 1, 12, 24, 37 and 46 on the row-end edges of both side panels and on the long edges of the top and bottom panels.

2. Join the Top Panel

With the smooth knit faces outward, position the left panel with its RS outward and the right panel with its WS outward. On both panels, confirm that Row 1 is at the front, the shaped edge is at the top and the straight edge is at the bottom. Pin one long edge of the top panel to the upper contour edge of the left side panel. Match Stations 1, 12, 24, 37 and 46, then distribute the remaining row ends evenly. Mattress stitch from front to rear. Repeat for the right side panel.

3. Join the Bottom Panel

Pin one long edge of the bottom panel to the lower edge of the left side panel, matching the same stations. Sew from front to rear. Repeat on the right side. The shell now has open front and rear ends.

4. Add the Front Cap

Pin the striped front cap into the front opening with its cream stripe centered under the top-panel stripe. Match the top midpoint, bottom midpoint and both side midpoints first. Ease the remaining cap edge evenly and sew all the way around.

5. Anchor the Spoiler Supports

From the open rear, sew each lightly stuffed support base to Top Panel Stations 39-43 at the marked positions. Use several small stitches through the support base and top panel. Knot securely on the inside. Do not attach the spoiler bar yet.

KEEP THE REAR OPEN

Do not sew the rear cap closed until the supports are anchored and the body is fully stuffed and shaped.

Stuffing, Shaping and Final Assembly

6. Stuff the Main Body

Add stuffing through the rear opening in small pieces.

Stuff the front hood firmly enough to hold the rounded nose and bumper line.

Stuff the roof and rear body moderately so the top remains smooth without stretching the side panels.

Pack the lower body slightly more firmly and press it against a flat surface to create a stable underside.

Check that the cream hood stripe remains centered and the windshield is not pulled into a curve.

Pin the rear cap into the opening, matching top, bottom and side midpoints. Leave a 5 cm opening, make final stuffing adjustments, then close the seam completely.

Remove every temporary station marker and bury all tails inside the body.

7. Add Bumper and Decorative Seam Stitches

Center the gray bumper across the lower front, curve it around the front corners and sew the upper and lower edges to the body. Keep the cream running-stitch line level. Add cream running stitches along both top/side body seams from Stations 5-29.

8. Attach the Spoiler Bar

Place the completed bar across the support tops with the cream band centered. Pin and view from the front, rear and top. Sew each support to the underside of the bar with red yarn. Pass the needle through the stuffed bar several times for a secure attachment, then bury the tails inside the bar.

9. Attach the Wheels

Pin wheel centers at Stations 12 and 37 on both sides, 3.5 cm above the lower body edge.

Set the car on a flat surface. Adjust every wheel so all four tire bottoms touch the surface and both front wheels are level with each other; repeat for the rear pair.

Using long black yarn tails, sew a 2.5-3 cm circle through the inner wheel disc and side panel. Do not sew around the outer tire edge; the tire must stay rounded.

For extra security, pass the yarn through the body and catch the wheel on the opposite side once or twice, taking care not to pull the body narrow.

Remove pins, recheck stability and bury tails inside the wheels.

Shaping Without Sculpting

No deep needle sculpting is needed. Use your hands to smooth the hood, press the underside flat and gently square the rear deck beneath the spoiler. If the roof looks peaked, redistribute stuffing toward the side seams rather than adding more stuffing at the center.

Final Visual Checklist

CHECK	PASS STANDARD
Body	Rounded nose, smooth roof, slightly flatter underside, no twist from front to rear.
Hood stripe	Centered on the front cap and hood; ends beneath the windshield.
Number patch	Oval lies flat; black 1 is upright and centered.
Windshield	Wide lower edge level; cream border evenly spaced; no puckering.
Checker panels	Same height and distance from the wheels; patterns mirror cleanly; the upper and lower blocks nearest the front wheel are black on both sides.
Wheels	Front pair level, rear pair level, all four touch the surface, hubs face outward.
Spoiler	Supports parallel; bar horizontal; cream band centered; gray end caps even.
Finishing	No visible stuffing, open holes, trapped markers, loose tails or unsecured appliqué edges.

Troubleshooting

ISSUE	PRACTICAL FIX
Stuffing looks lumpy	Open a short section of the rear seam, remove large clumps and refill with smaller pieces. Smooth from the center outward.
Body twists	Check the Station 1, 24 and 46 seam matches. Massage the shell, then add or remove stuffing on the tighter side.
Checker panel ripples	Remove the most puckered section and re sew with looser whipstitches. Do not pull the appliqué edge shorter than the side panel.
Windshield is off-center	Use the cream hood stripe as the centerline. Lift one edge, reposition and re sew before adding the border stitches.
Headlights are uneven	Measure from the front-cap side seams and lower seam. Reattach the higher or more inward disc.
Wheel pair is uneven	Pin all wheels before sewing. Set the car on a flat surface and correct vertical position before securing.
Car rocks	One tire is too high or overstuffed. Reattach it lower or remove a small amount of wheel stuffing.
Spoiler leans	Reopen the stitches at one support top, level the bar from the rear view and re sew. Check both support bases are the same height.
Visible holes	Use a smaller needle for future pieces. For finished seams, duplicate stitch over the gap with matching yarn and redistribute stuffing away from it.

Printing and Customer Notes

Print at 100% or Actual Size. Placement diagrams are guides and are not full-size templates.

This is a digital pattern only. No physical plushie or materials are included or shipped.

Unless your purchase terms state otherwise, this pattern is for personal handmade creation. Do not copy, upload, redistribute or resell the PDF or its instructions.

Finished measurements may vary with yarn, gauge, stuffing and finishing choices.

For items intended for children, inspect all seams and attachments regularly and omit any hard or loose embellishments.

PATTERN COMPLETE

Your Ruby Racer is finished when the body is stable, every wheel is level, the spoiler is centered and all yarn tails are securely buried.