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Core Recline Seat

Assembly Guide

RSC1-BLK / Black

V1.0 EN / 10 October 2026

BEFORE YOU START

Read the sequence once before assembling your Core Recline Seat.

BUILD NOTES

- Work on a clean, flat, padded surface to protect the upholstery.
- Lay out the parts and hardware shown on page 3.
- Keep the backrest supported while aligning the side mounts.
- Start fasteners by hand. Tighten them once the parts are aligned.
- Keep bolts G and H after removal. Both are reused during assembly.

ASSEMBLY SEQUENCE

01	Remove the base bolts	04
02	Attach the backrest	05
03	Fit the mechanism cover	06
04	Remove the hinge bolt	07
05	Fit the hinge cover	08

TOOLS AND FINAL CHECK

Use a suitable Phillips screwdriver and hex/socket tools for the supplied fasteners. Complete all five steps, then check both side connections before mounting the seat to your cockpit.

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PART LIST / HARDWARE

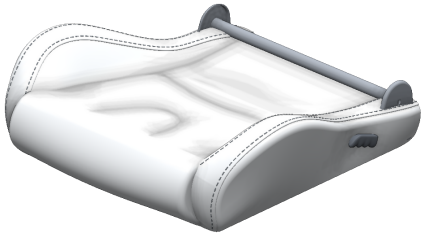
Check the components before assembly. The letters match all five step pages.

A / Backrest



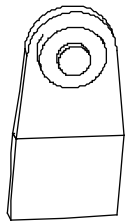
1x

B / Seat base



1x

C / Hinge cover



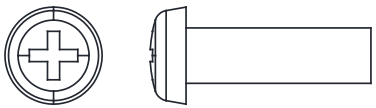
1x

D / Mechanism cover



1x

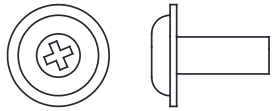
E / M5 x 7.5



1x

Cover C fixing screw

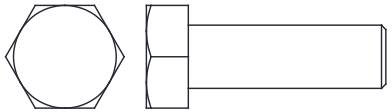
F / M4 x 9



1x

Cover D fixing screw

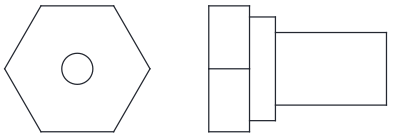
G / M8 x 14



2x

Pre-installed in B

H / M10 x 15



1x

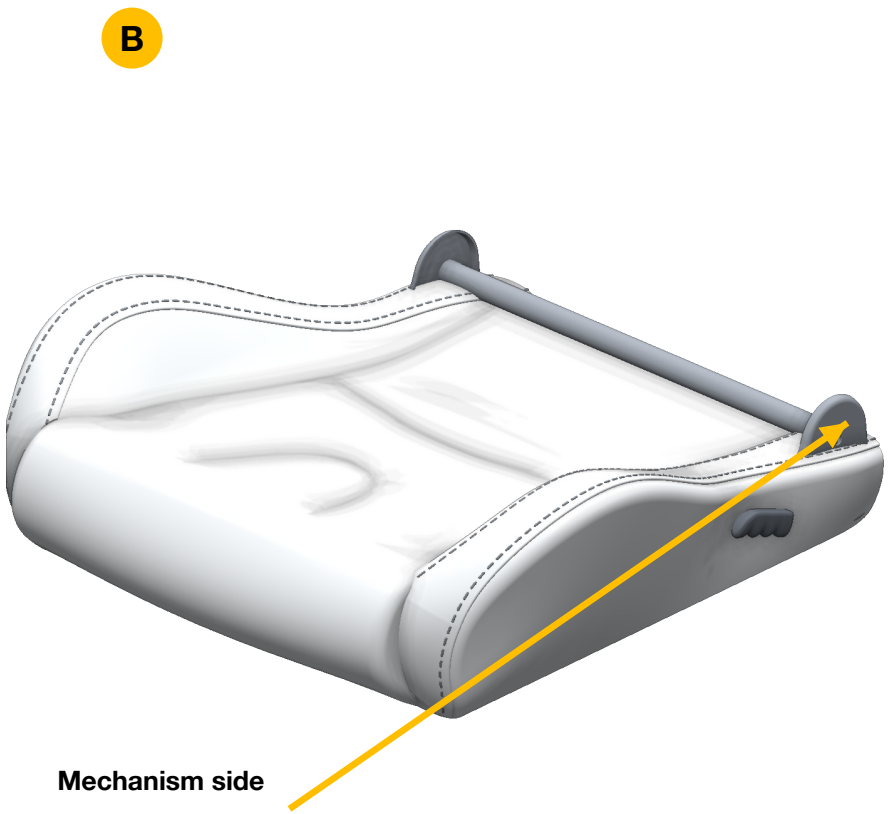
Pre-installed in A

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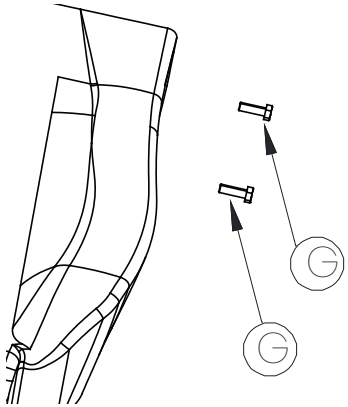
01 REMOVE THE BASE BOLTS

Remove both G bolts from the mechanism side of seat base B.

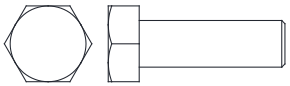
ASSEMBLY



FASTENER DETAIL



HARDWARE



G / M8 x 14

REUSE BOTH G BOLTS

ASSEMBLY

- Place base B flat on the protected work surface.
- Remove the two pre-installed G bolts from the mechanism side.
- Keep both bolts together for step 02.

PARTS REQUIRED

B / Seat base
G / M8 x 14 - 2x
G is pre-installed in B

REMINDER

Keep the bolts G. They will secure the backrest in the next step.

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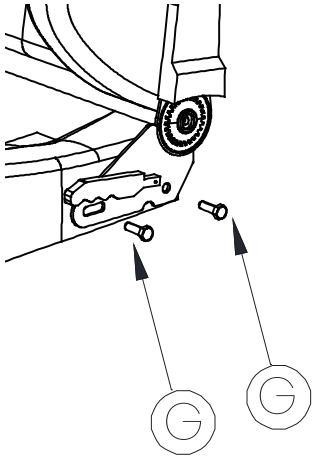
02 ATTACH THE BACKREST

Align backrest A with base B and refit both G bolts.

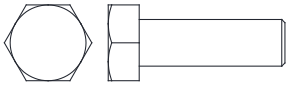
ASSEMBLY



FASTENER DETAIL



HARDWARE



G / M8 x 14

SUPPORT BACKREST

ASSEMBLY

- Support backrest A and align it with the side supports of base B.
- Refit both G bolts on the mechanism side.
- Start both bolts by hand, then tighten evenly once aligned.

PARTS REQUIRED

A / Backrest
B / Seat base
G / M8 x 14 - 2x

REMINDER

Keep the backrest supported until the hinge fasteners on both sides are secured.

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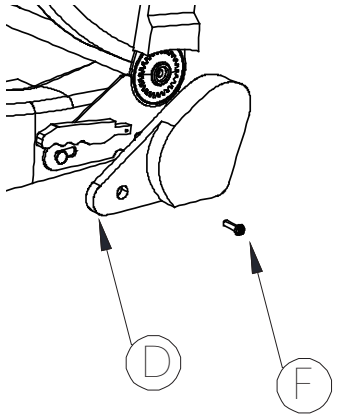
03 FIT THE MECHANISM COVER

Fit cover D on the mechanism side and secure it with screw F.

ASSEMBLY



FASTENER DETAIL



HARDWARE



F / M4 x 9

CHECK COVER FIT

ASSEMBLY

- Place cover D over the mechanism on the same side as the G bolts.
- Align the fixing hole in the cover.
- Fit screw F and secure the cover without over-tightening the plastic.

PARTS REQUIRED

D / Mechanism cover

F / M4 x 9 - 1x

REMINDER

The cover should sit neatly around the recline handle. Do not force it into position.

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04 REMOVE THE HINGE BOLT

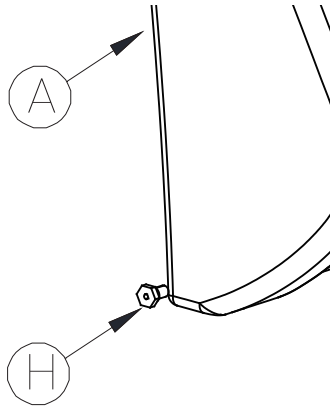
On the opposite side, remove the pre-installed H bolt from backrest A.

ASSEMBLY

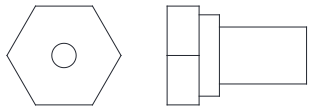


Opposite side

FASTENER DETAIL



HARDWARE



H / M10 x 15

REUSE THE H BOLT

ASSEMBLY

- Support the backrest and move to the opposite side of the seat.
- Remove the pre-installed H bolt from backrest A.
- Keep H ready for step 05.

PARTS REQUIRED

A / Backrest
H / M10 x 15 - 1x
H is pre-installed in A

REMINDER

Keep the backrest supported while H is removed.

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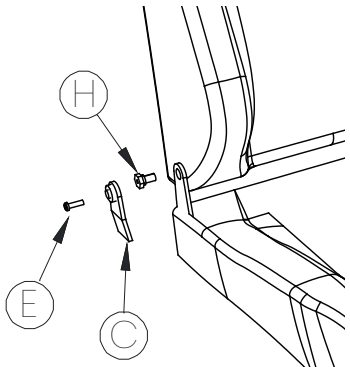
05 FIT THE HINGE COVER

Refit H first, then add cover C and secure it with screw E.

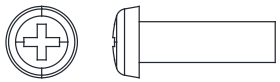
ASSEMBLY



FASTENER DETAIL



HARDWARE



E / M5 x 7.5

ASSEMBLY ORDER: H C E

ASSEMBLY

- Align the opposite-side hinge and refit bolt H. Tighten it once the backrest is correctly seated.
- Place cover C over the hinge.
- Secure cover C with screw E.

PARTS REQUIRED

H / M10 x 15 - 1x
C / Hinge cover
E / M5 x 7.5 - 1x

REMINDER

Follow the order H, C, E. Tighten the hinge bolt before fitting its cover.

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FINAL CHECK

Complete these checks before mounting or using the seat.

ASSEMBLED RSC1-BLK



CHECK BOTH SIDES

- Confirm that both G bolts and bolt H are securely tightened.
- Confirm that cover D is secured with F and cover C with E.
- Check both backrest-to-base connections for unwanted movement.
- Confirm that the backrest locks after any angle adjustment.

MOUNTING TO YOUR COCKPIT

Mount the assembled seat securely to your cockpit using the appropriate seat mount or slider instructions. Mounting hardware and positions depend on your setup.

Assembly support: simgasm.com

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