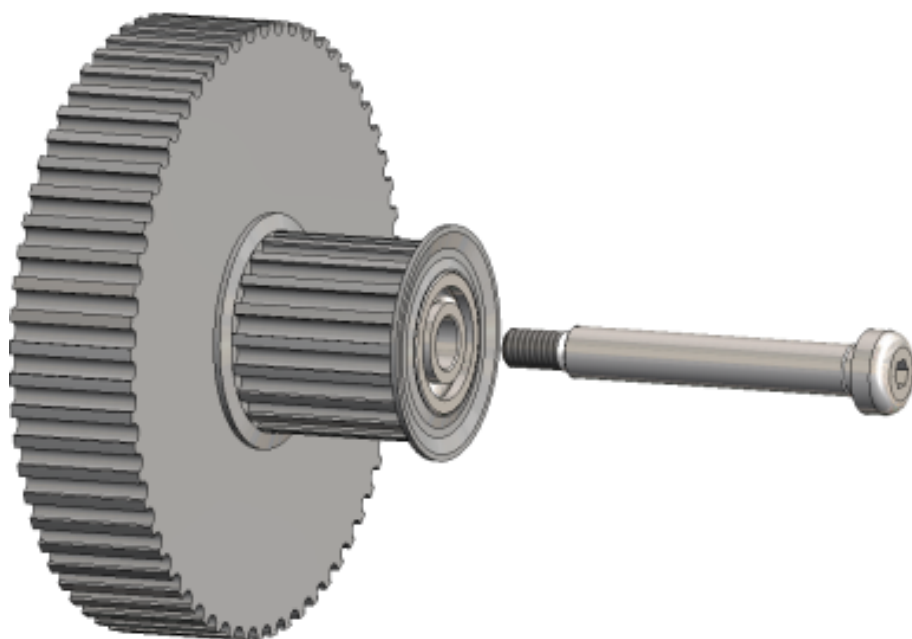


AS-35028 (Conjunto de engranajes de elevación)



Retire el engranaje izquierdo - AS-35028 (Conjunto de engranaje de elevación)

Tiempo estimado de retirada: 20 minutos

Herramientas necesarias:

- Llave hexagonal - 2,5mm
- Llave hexagonal - 3 mm
- Llave hexagonal - 4 mm
- Destornillador - Ranura 5mm

Preparación:

- Retire AS-35205 (SDG de la parte superior de la hoja) / AS-35646 (DDG de la parte superior de la hoja)[as-35205-sheet-top-sdg---as-35646-sheet-top-ddg-.html#UUID-2653ba5f-4e21-b730-9d1e-f6dd04791b3a_UUID-9a96252c-e093-b3f9-9d3b-4de2dade2faf]
- Retire AS-35021 / AS-35945 (Anverso de la hoja)[as-35021-r5---as-35945-r5---sheet-front-.html#UUID-31b10256-172a-aa77-27f3-70611fd2f729_UUID-e830e1e1-7335-76b1-3edd-915246c7f0c6]
- Retire AS-35011 / AS-35942 (Hoja trasera)[as-35011-r5---as-35942-r5---sheet-rear-.html#UUID-3cfa3d6f-2d13-f6a1-bd8c-29067174afcf_UUID-56eb0901-be2b-17b1-005e-ab3076196808]
- Retire AS-35120 (Conjunto de batería)[as-35210-battery-assembly-.html#UUID-d12b6509-2362-50e1-afbd-5d8ba4735988_UUID-852734a8-2963-b764-6ec9-926946f929e2]
- Retire el AS-35200 (piso de la batería)[as-35200-battery-floor-.html#UUID-bf9cabd6-ee31-0bef-ac7b-ab738d9b8c25_UUID-d5ae8863-70b4-5227-0eb8-ed569c4e031d]
- Aflojar AS-35197 (Correa gemela 670)[as-35197-belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-40ebee84-2a67-6903-4dbd-8f9f0d7fd758]
- Afloje AS-35195 / AS-35934 (Correa de distribución)[as-35195-r5---as-35934-r5---timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fbc4941c-fe2b-64b8-5852-fdc445c1477c]
- Colocación de la pinza en posición segura[as-35194-robot-gripper-.html#UUID-615f1cd0-c94d-2caf-556f-d588cec2487d_UUID-bf94194e-1294-a9fd-fbf5-686e8a0adb2]

- Asegurar el conjunto del eje de la tira contra rotaciones innecesarias[as-35025--strip-shaft-assembly-sdg-.html#UUID-9507207e-08cd-327b-4673-adba8bfa480_UUID-10ffd9dd-941f-74d3-a347-ed3fa4e85ddd]

Procedimiento:

Tensor izquierdo:

1. Asegúrese de que la 'correa de distribución' izquierda esté aflojada, el tensor izquierdo en la posición superior.
2. Si no es así, vuelva a Preparación - Afloje AS-35195 / AS-35934 (Correa de distribución).[as-35195--r5--as-35934--r5--timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fbc4941c-fe2b-64b8-5852-fdc445c1477c]

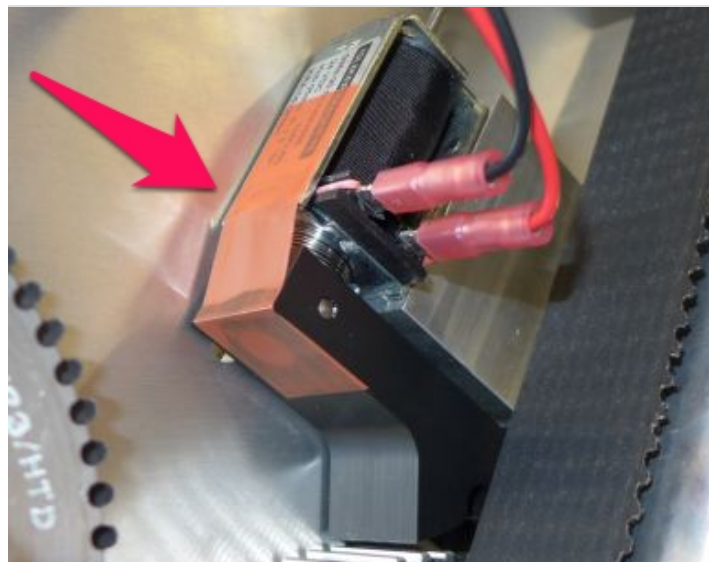
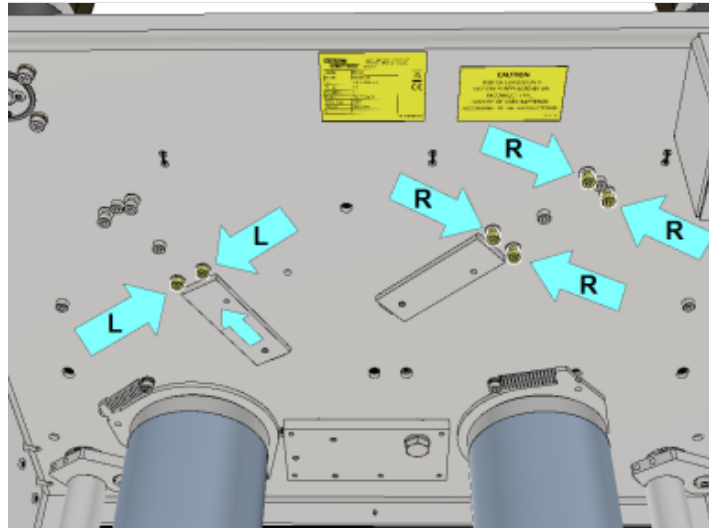
Tensor derecho:

3. Afloje cuatro tornillos hexagonales M5x16 mm (llave hexagonal de 4 mm), solo lo suficiente para liberar el tensor.
4. No retire los tornillos.
5. Presione un gancho y manténgalo en su posición.
6. La forma más fácil es usar cinta adhesiva o una cinta aislante.
7. Vea el ejemplo a continuación, a la derecha.

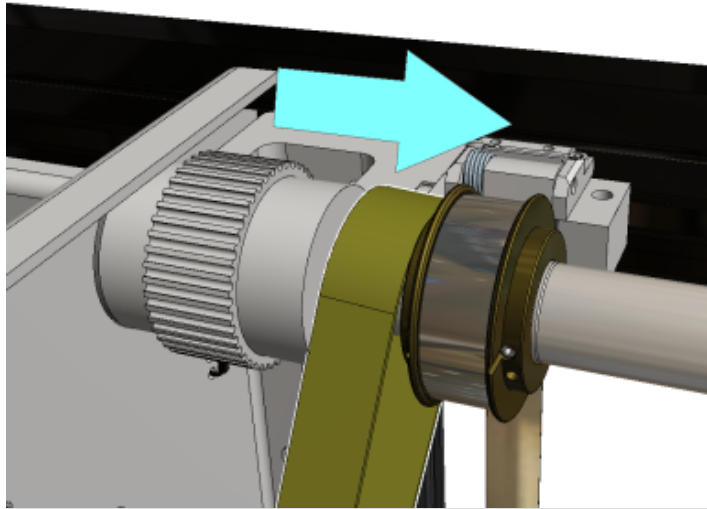


Nota

Esto es para evitar que el eje se caiga del electroimán en pasos posteriores.



8. Deslice la correa de distribución izquierda del engranaje del conjunto del eje de la tira.
9. Deje el cinturón cerca del carrete de tiras, como en la imagen.



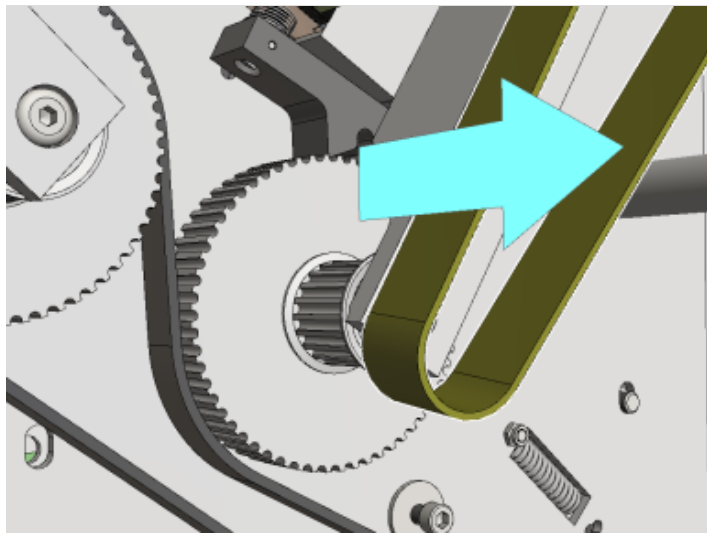
10. Retire la correa de distribución izquierda del conjunto del mecanismo de elevación.



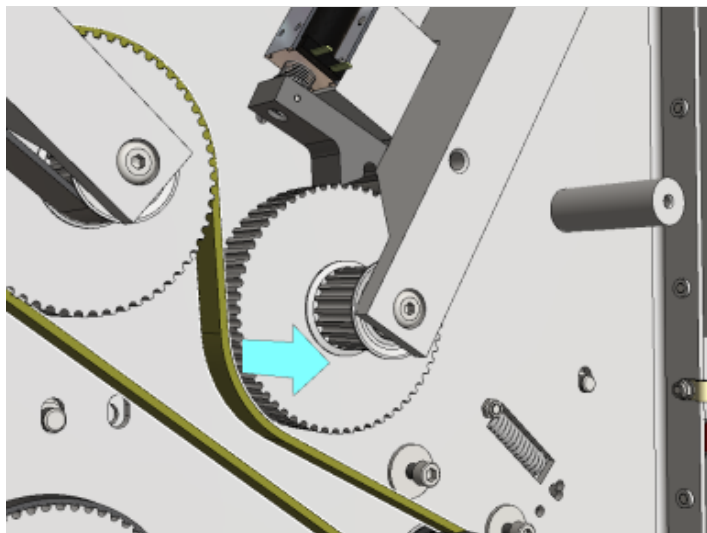
Nota

La correa de distribución todavía está unida al conjunto del eje de la tira.

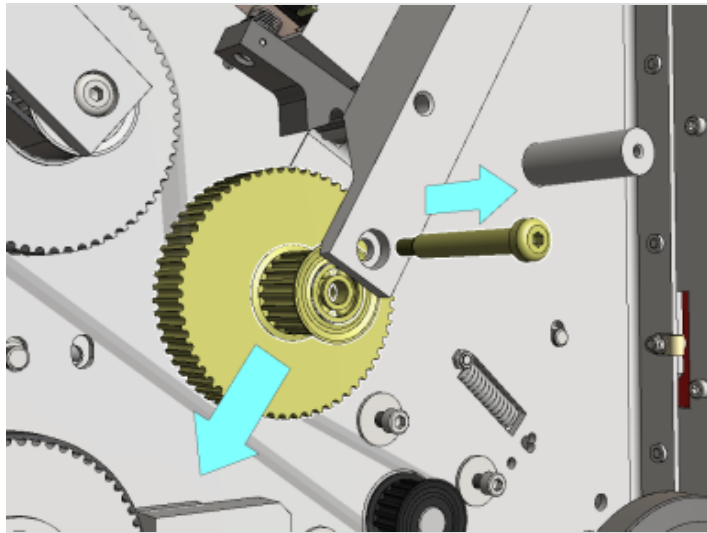
No es necesario quitar esta correa del eje.



11. Remove the twin Belt 670 from the left Liftgear assembly
12. Pull the belt, slide off from the gear



13. Unscrew the M6/50mm hex socket screw (4mm hex key).
14. Remove the Liftgear assembly.



Remove right gear - AS-35028 (Liftgear assembly)

Estimated time: 20 minutes

Tools needed:

- Hex key - 2,5mm
- Hex key - 3mm
- Hex key - 4mm
- Screwdriver - Slot 5mm

Preparation:

- Remove AS-35205 (Sheet top SDG) / AS-35646 (Sheet Top DDG)[as-35205--sheet-top-sdg--as-35646--sheet-top-ddg-.html#UUID-2653ba5f-4e21-b730-9d1e-f6dd04791b3a_UUID-9a96252c-e093-b3f9-9d3b-4de2dade2faf]
- Remove AS-35021 / AS-35945 (Sheet front)[as-35021--r5--as-35945--r5--sheet-front-.html#UUID-31b10256-172a-aa77-27f3-70611fd2f729_UUID-e830e1e1-7335-76b1-3edd-915246c7f0c6]
- Remove AS-35011 / AS-35942 (Sheet rear)[as-35011--r5--as-35942--r5--sheet-rear-.html#UUID-3cfa3d6f-2d13-f6a1-bd8c-29067174afcf_UUID-56eb0901-be2b-17b1-005e-ab3076196808]
- Remove AS-35120 (Battery assembly)[as-35120--battery-assembly-.html#UUID-d12b6509-2362-50e1-afbd-5d8ba4735988_UUID-852734a8-2963-b764-6ec9-926946f929e2]
- Remove AS-35200 (Battery floor)[as-35200--battery-floor-.html#UUID-bf9cabd6-ee31-0bef-ac7b-ab738d9b8c25_UUID-d5ae8863-70b4-5227-0eb8-ed569c4e031d]
- Loosen AS-35197 (Belt twin 670)[as-35197--belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-40ebee84-2a67-6903-4dbd-8f9f0d7fd758]
- Loosen AS-35195 / AS-35934 (Timing Belt)[as-35195--r5--as-35934--r5--timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fbc4941c-fe2b-64b8-5852-fdc445c1477c]
- Setting the Gripper in Safe Position[as-35194--robot-gripper-.html#UUID-615f1cd0-c94d-2caf-556f-d588cec2487d_UUID-bf94194e-1294-a9fd-fbf5-686e8a0adbd2]
- Securing the strip shaft assembly against unnecessary rotation[as-35025--strip-shaft-assembly-sdg-.html#UUID-9507207e-08cd-327b-4673-adba8bfa480_UUID-10ffd9dd-941f-74d3-a347-ed3fa4e85ddd]

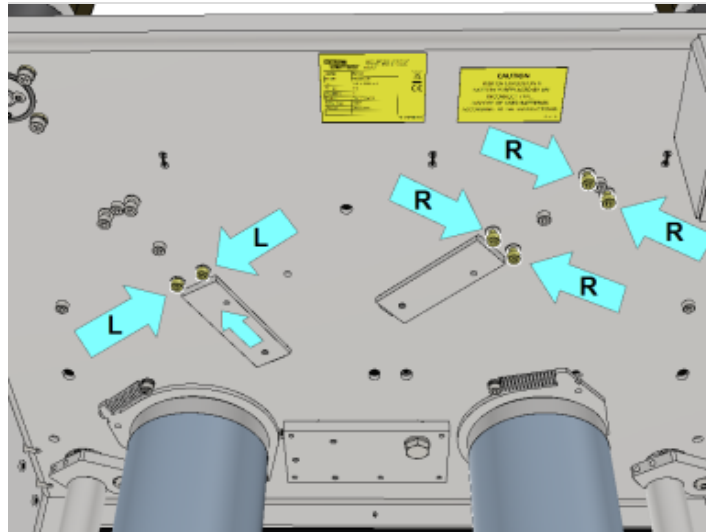
Procedure:

Left tensioner:

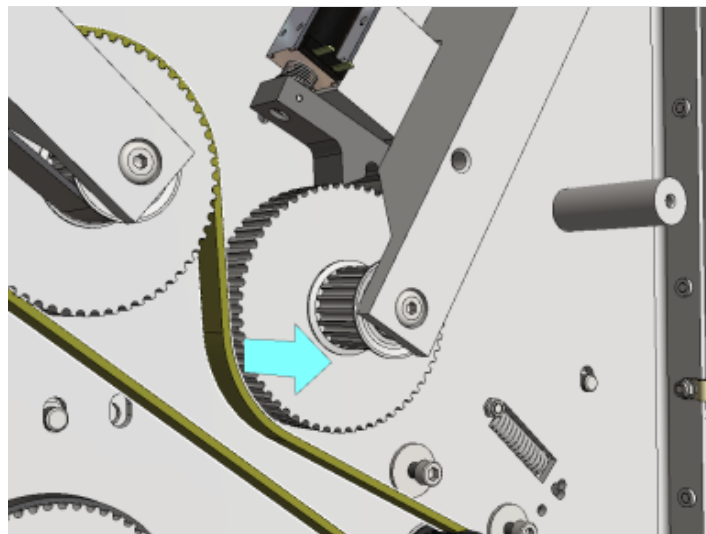
1. Make sure the left 'Timing Belt' is loosened - the left tensioner in upper position.
2. If it is not, go back to Preparation - Loosen AS-35195 / AS-35934 (Timing Belt)[as-35195-r5-as-35934-r5-timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fbc4941c-fe2b-64b8-5852-fdc445c1477c].

Right tensioner:

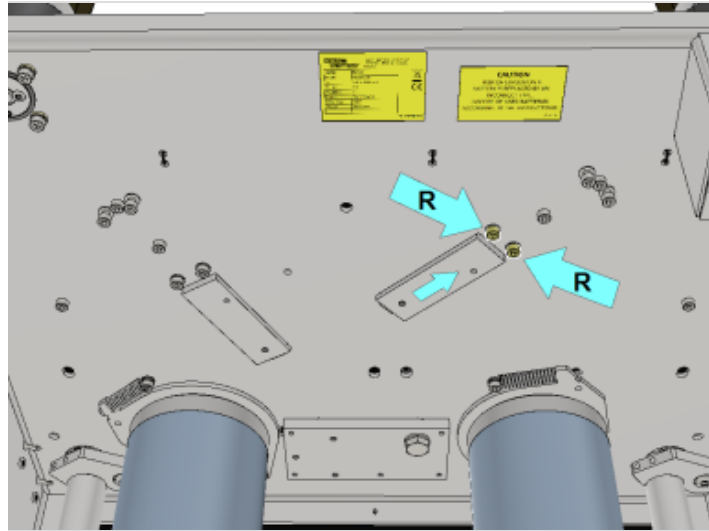
3. Loosen four M5x16mm hex socket screws (4mm hex key), only enough to release the tensioner.
4. Do not remove screws.
5. Remove the twin Belt 670 from the left Liftgear assembly
6. Pull the belt, slide off from the gear



7. Loosen the right 'Timing Belt' - the right tensioner to upper position.
8. Go back to Loosen AS-35195 / AS-35934 (Timing Belt)[as-35195-r5-as-35934-r5-timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fbc4941c-fe2b-64b8-5852-fdc445c1477c].



9. Slide off the left Timing Belt from gear on the Strip shaft assembly.
10. Leave the belt close to the Strip Reel - as in the picture.



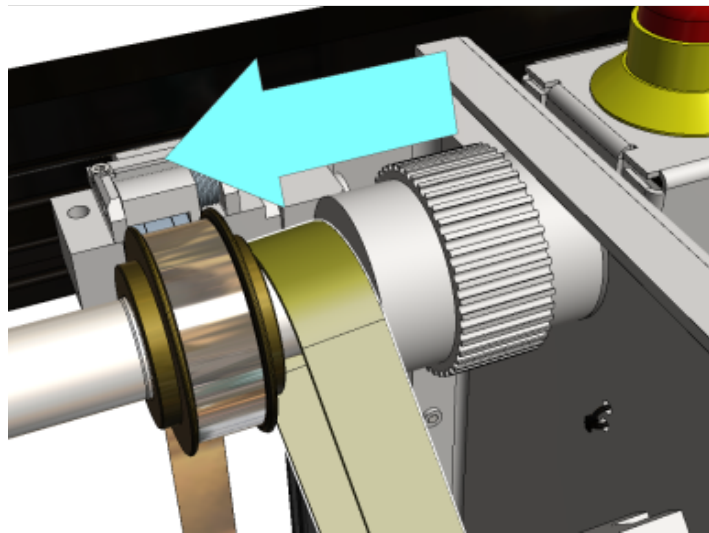
11. Remove the left Timing Belt from the Liftgear assembly.



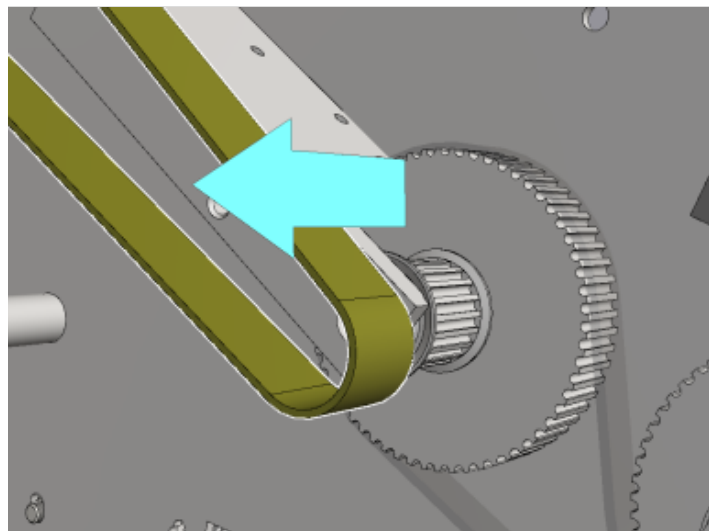
Note

Timing Belt is still attached to the Strip shaft assembly.

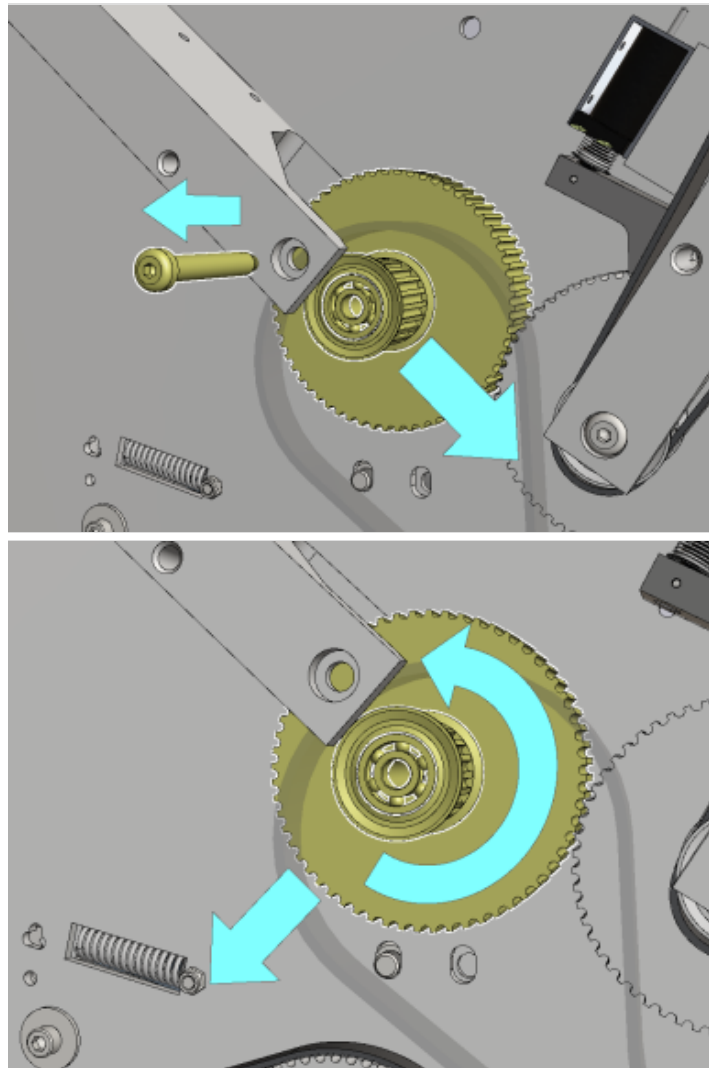
No need to remove this belt from shaft.



12. Unscrew the M6/50mm hex socket screw (4mm hex key).
13. To not damage a rim on the Liftgear assembly - slide it as in the picture.



14. When Liftgears become meshed, rotate the right Liftgear (counter clockwise).
15. Remove the Liftgear assembly as in the picture.



Install left gear - AS-35028 (Liftgear assembly)

Estimated time: 20 minutes

Tools needed:

- Hex key - 2,5mm
- Hex key - 3mm
- Hex key - 4mm

Preparation:

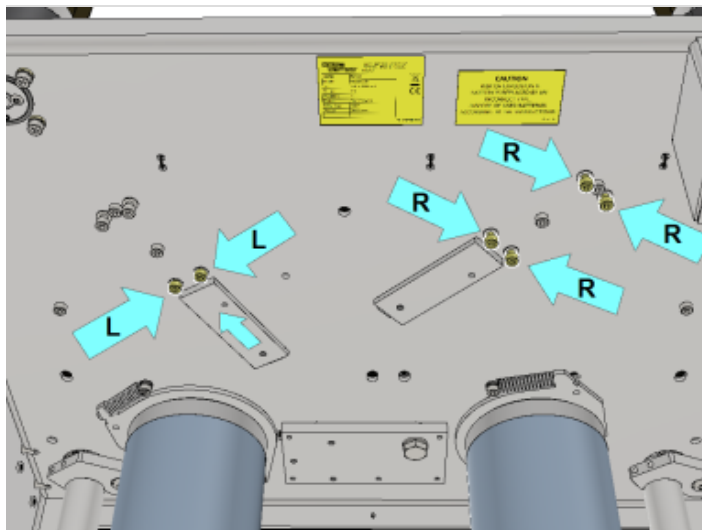
- Make sure AS-10741 (Belt twin 670) is loose. If not Loosen AS-35197 (Belt twin 670)[[as-35197--belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-40ebee84-2a67-6903-4dbd-8f9f0d7fd758](#)]

Procedure:

1. Make sure left belt tensioner is fixed in upper position.

Make sure left belt tensioner is fixed in upper position.[fixing-the-belt-tensioner-in-upper-position.html] (Follow link for instructions.)

2. Make sure screws on right belt tensioner are loose.

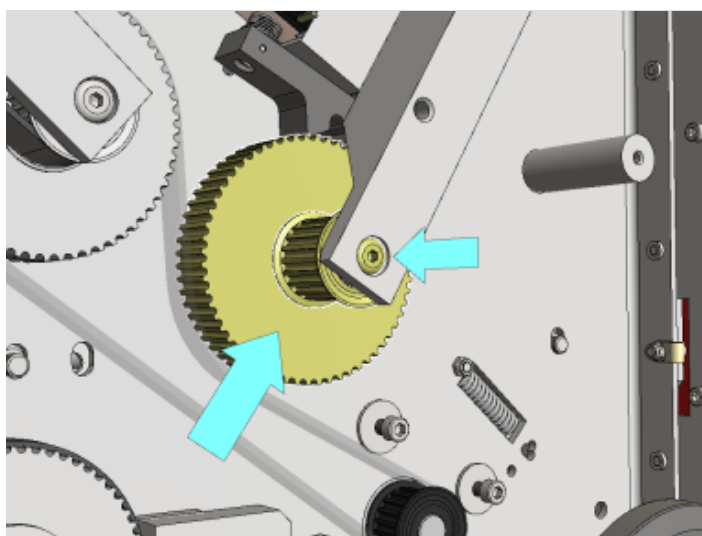


3. Place the Liftgear assembly as in the picture.
4. Tighten the M6/50mm hex socket screw (4mm hex key).

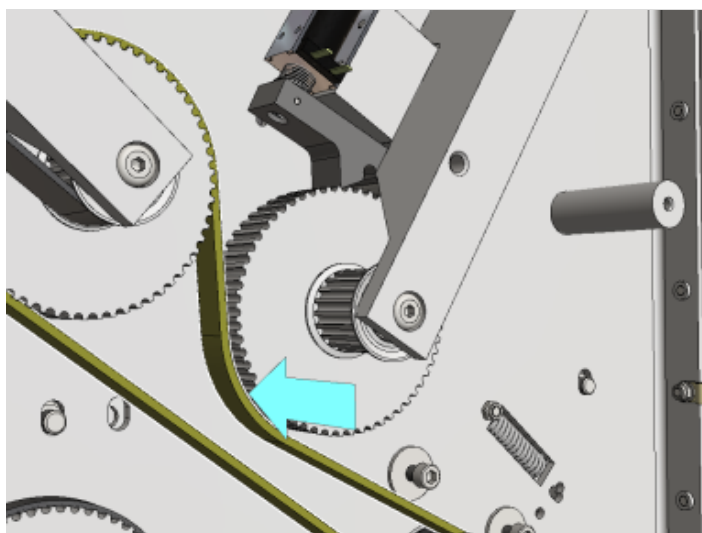


Note

Tighten with torque 12 Nm



5. Place the twin Belt 670 on the left Liftgear assembly.



Completion:

- Tighten AS-35195 / AS-35934 (Timing Belt)[as-35195-r5---as-35934-r5---timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fd9cf96c-c35f-59da-3c41-859743ebb51e]
- Tighten AS-35197 (Belt twin 670)[as-35197-belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-2e1dc04f-24a3-32d2-6ea4-2d9de7816264]

- Adjust AS-35194 (Gripper)[as-35194-robot-gripper-.html#UUID-615f1cd0-c94d-2caf-556f-d588cec2487d_UUID-d2715e29-d943-ad24-47b3-fa071739f17f]
- Install AS-35200 (Battery floor)[as-35200-battery-floor-.html#UUID-bf9cabd6-ee31-0bef-ac7b-ab738d9b8c25_UUID-e9c1ac70-60bc-7f33-75d1-905621cdfa3e]
- Install AS-35210 (Battery assembly)[as-35210-battery-assembly-.html#UUID-d12b6509-2362-50e1-afbd-5d8ba4735988_UUID-a8e83a06-e4f7-0dd6-a877-ad9518033fc8]
- Install AS-35021 / AS-35945 (Sheet front)[as-35021-r5---as-35945-r5---sheet-front-.html#UUID-31b10256-172a-aa77-27f3-70611fd2f729_UUID-9b92d4e7-aba2-2c22-3c5d-0a94f0ac7d0a]
- Install AS-35011 / AS-35942 (Sheet rear)[as-35011-r5---as-35942-r5---sheet-rear-.html#UUID-3cfa3d6f-2d13-f6a1-bd8c-29067174afcf_UUID-770524a6-795b-3ce1-c444-ef2d7880a405]
- Install AS-35205 (Sheet top SDG) / AS-35646 (Sheet Top DDG)[as-35205-sheet-top-sdg---as-35646-sheet-top-ddg-.html#UUID-2653ba5f-4e21-b730-9d1e-f6dd04791b3a_UUID-67d6d688-0828-2123-11d3-b92cb6ca4d01]

Install right gear - AS-35028 (Liftgear assembly)

Estimated time: 20 minutes

Tools needed:

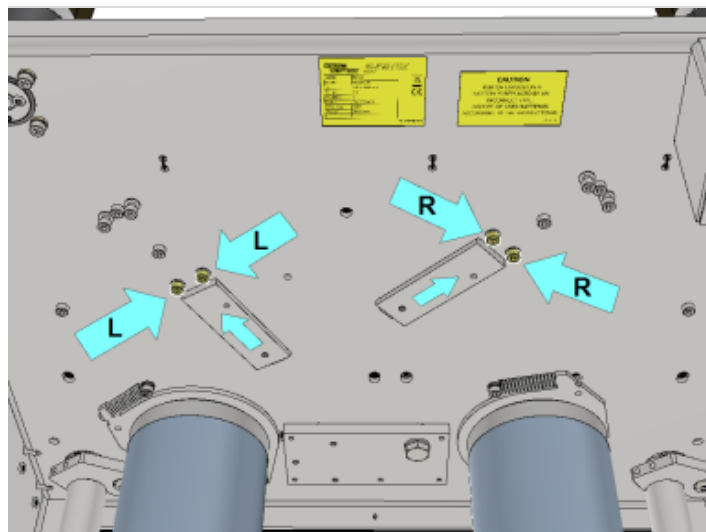
- Hex key - 2,5mm
- Hex key - 3mm
- Hex key - 4mm

Preparation:

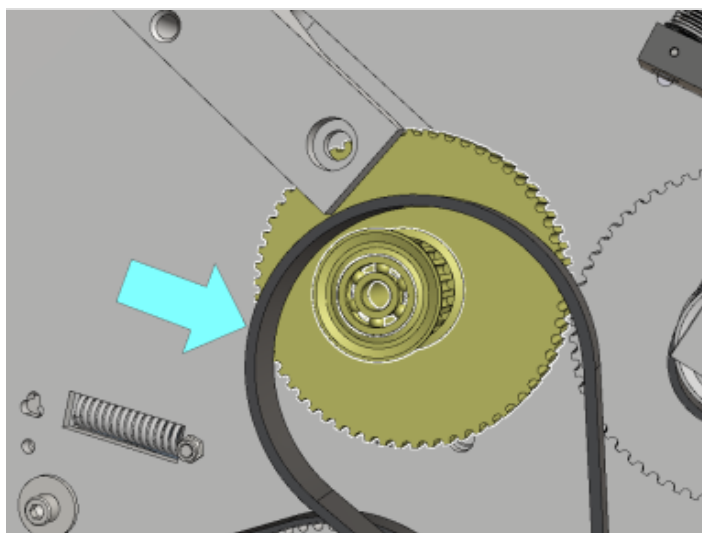
- Make sure AS-10741 (Belt twin 670) is loose. If not: Loosen AS-35197 (Belt twin 670)[as-35197-belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-40ebee84-2a67-6903-4dbd-8f9f0d7fd758]

Procedure:

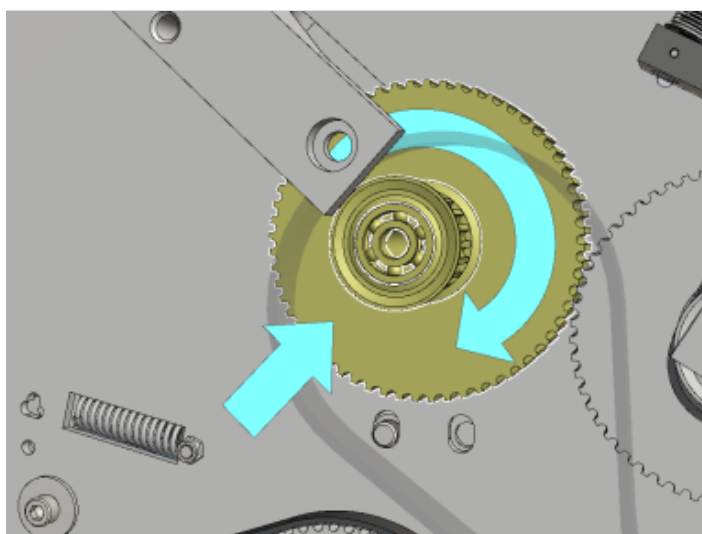
1. Make sure both belt tensioners are fixed in upper position. [fixing-the-belt-tensioner-in-upper-position.html](Follow link for instructions.)



2. Place the twin Belt 670 on the left Liftgear assembly as in the picture.
3. It's to insert a gear and belt together inside the Liftgear House in next steps.



4. Place the Liftgear assembly as in the picture.
5. When Liftgears become meshed -> rotate the right Liftgear (clockwise).

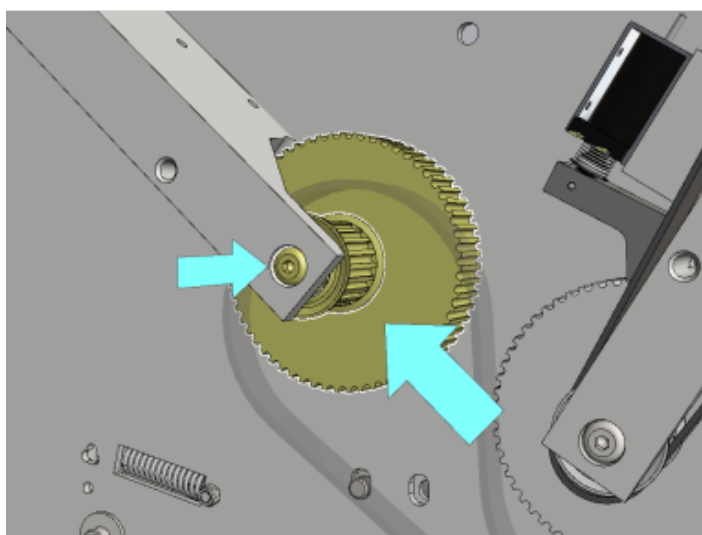


6. Place the Liftgear assembly as in the picture.
7. Tighten the M6/50mm hex socket screw (4mm hex key).



Note

Tighten with torque 12 Nm



Completion:

- Install AS-35197 (Belt twin HD 670)[as-35197--belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-9284fa8f-cde7-461e-ddf0-b7280ab37576]
- Install AS-35195 / AS-35934 (Timing Belt) - Right belt[as-35195--r5---as-35934--r5---timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-c8a627f5-98f7-d865-fe1e-18c2d656aa75]

- Tighten AS-35195 (Timing Belt)[as-35195--r5---as-35934--r5---timing-belt-.html#UUID-f740b189-e796-a67e-51e2-1467cd6ede5e_UUID-fd9cf96c-c35f-59da-3c41-859743ebb51e]
- Tighten AS-35197 (Belt twin 670)[as-35197--belt-twin-670-.html#UUID-1ddb98a2-3186-bc5c-3f47-c2a275ed2263_UUID-2e1dc04f-24a3-32d2-6ea4-2d9de7816264]
- Install AS-35194 (Robot gripper)[as-35194--robot-gripper-.html#UUID-615f1cd0-c94d-2caf-556f-d588cec2487d_UUID-e6775622-8bb2-1625-05b3-a0f150e05715]
- Install AS-35200 (Battery floor)[as-35200--battery-floor-.html#UUID-bf9cabd6-ee31-0bef-ac7b-ab738d9b8c25_UUID-e9c1ac70-60bc-7f33-75d1-905621cdfa3e]
- Install AS-35210 (Battery assembly)[as-35210--battery-assembly-.html#UUID-d12b6509-2362-50e1-afbd-5d8ba4735988_UUID-a8e83a06-e4f7-0dd6-a877-ad9518033fc8]
- Install AS-35021 / AS-35945 (Sheet front)[as-35021--r5---as-35945--r5---sheet-front-.html#UUID-31b10256-172a-aa77-27f3-70611fd2f729_UUID-9b92d4e7-aba2-2c22-3c5d-0a94f0ac7d0a]
- Install AS-35011 / AS-35942 (Sheet rear)[as-35011--r5---as-35942--r5---sheet-rear-.html#UUID-3cfa3d6f-2d13-f6a1-bd8c-29067174afcf_UUID-770524a6-795b-3ce1-c444-ef2d7880a405]
- Install AS-35205 (Sheet top SDG) / AS-35646 (Sheet Top DDG)[as-35205--sheet-top-sdg---as-35646--sheet-top-ddg-.html#UUID-2653ba5f-4e21-b730-9d1e-f6dd04791b3a_UUID-67d6d688-0828-2123-11d3-b92cb6ca4d01]