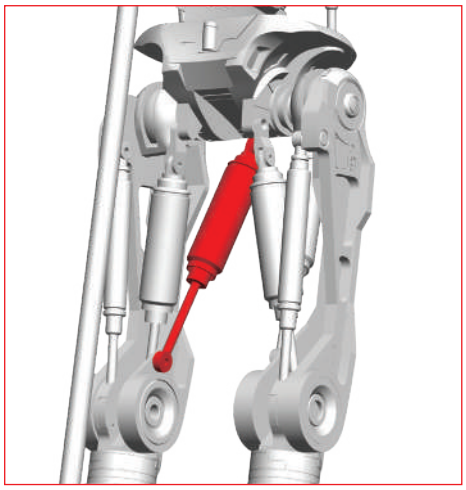
STAGE 93: BUILD OUT THE FOOT, AND CONSTRUCT ANOTHER MUSCLE

The left leg takes shape, and an additional foot component is assembled.

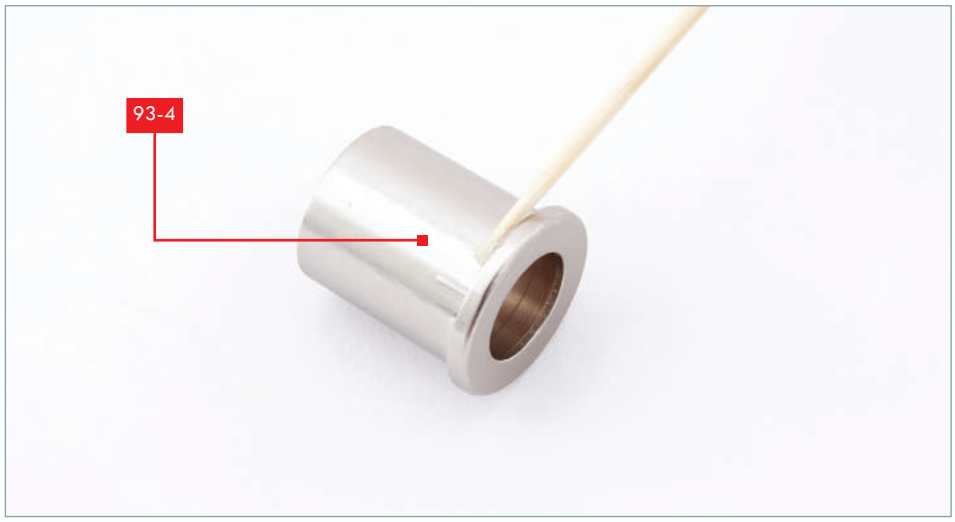


LIST OF PIECES

93-1	Muscle connector	93-4	Muscle cap
93-2	Left thigh muscle	93-5	Left foot
93-3	Inner left thigh muscle	93-6	3x PB screws (2x6 mm)

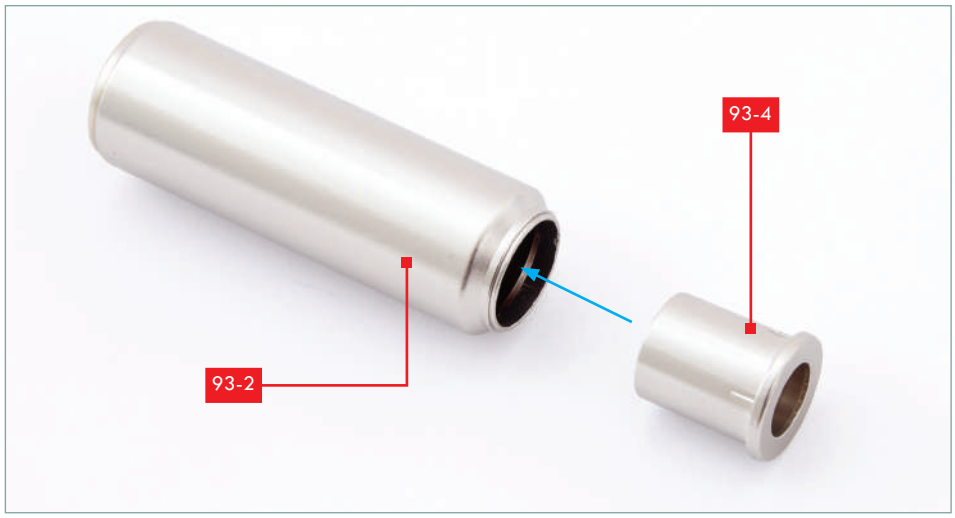
YOU WILL ALSO NEED

Foot assembly from stage 92, superglue and a cocktail stick.



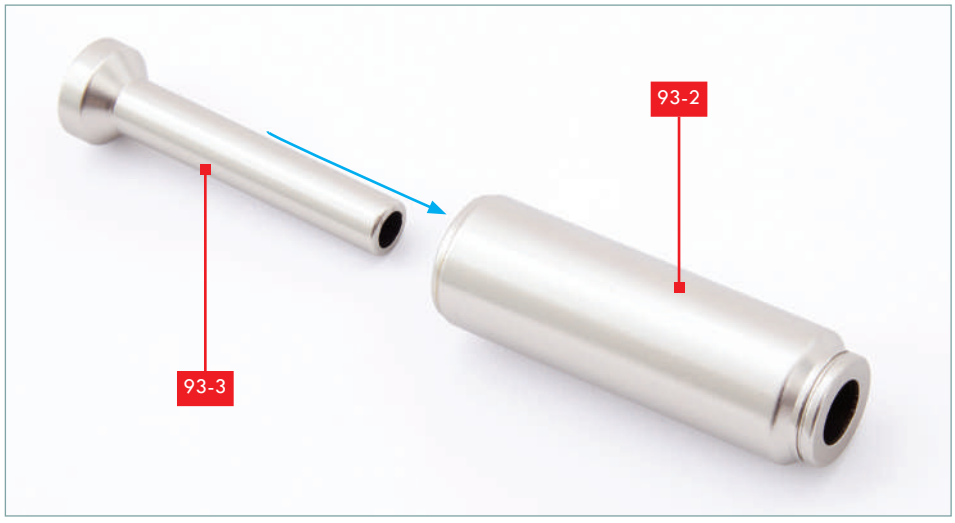
STEP 1

Take the muscle cap **93-4** and apply a little superglue around the side of the part, beneath the rim, as shown.



STEP 2

Fit the muscle cap **93-4** into the narrower end of the left thigh muscle **93-2**.



STEP 3

Take the inner muscle **93-3** and fit it into the muscle **93-2**, inserting the narrower end first.

STEP 4

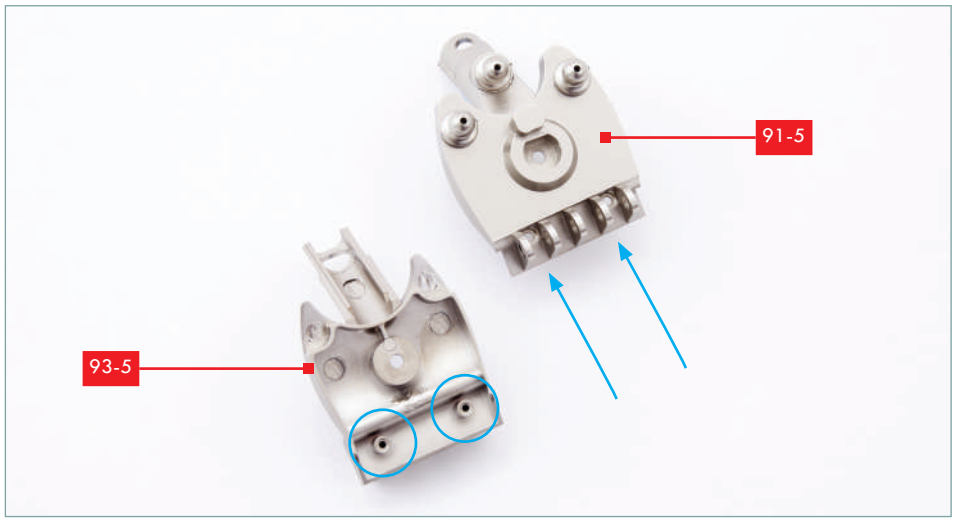
Once inserted, the tendon can slide in and out of the muscle cap **93-4**, but the wide end of the inner muscle prevents it from sliding through the cap.

STEP 5

Take the muscle connector **93-1**. Apply a little glue around the side of the part, beneath the rim, as shown.

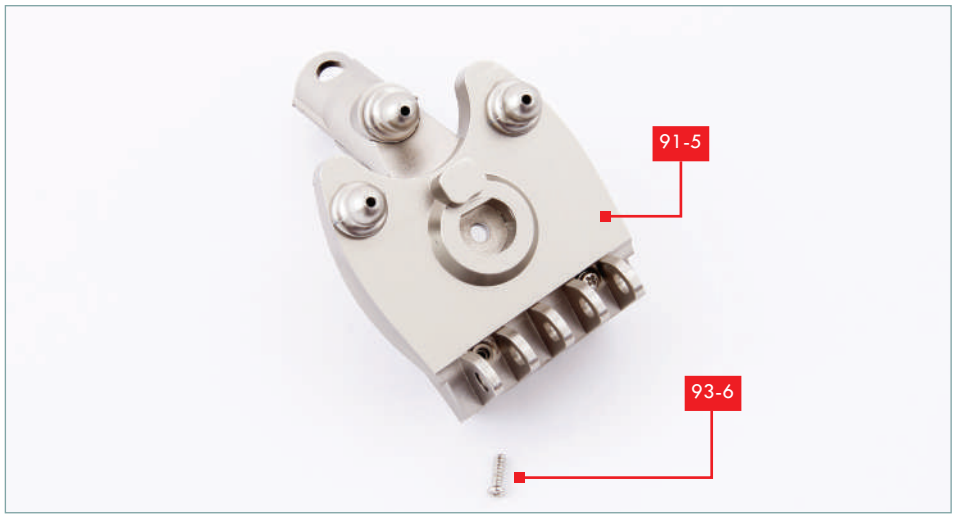
STEP 6

Fit the connector into the wider end of the left thigh muscle **93-2**.



STEP 7

Take the foot assembly from stage 92 and the foot part **93-5**. Check how the parts fit together so that the screw holes in part **91-5** (arrows) are aligned with the sockets in part **93-5** (circled).



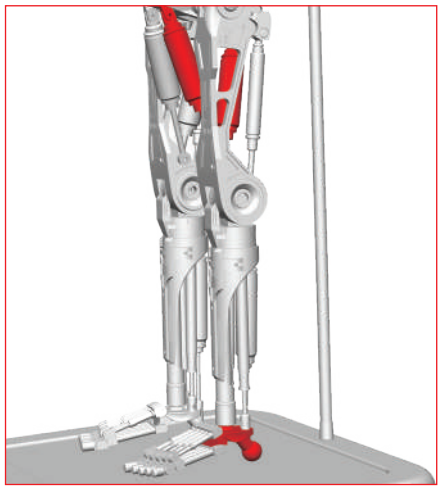
STEP 8

Fit the two parts together and fix them in place with two PB 2x6 mm screws (**93-6**).

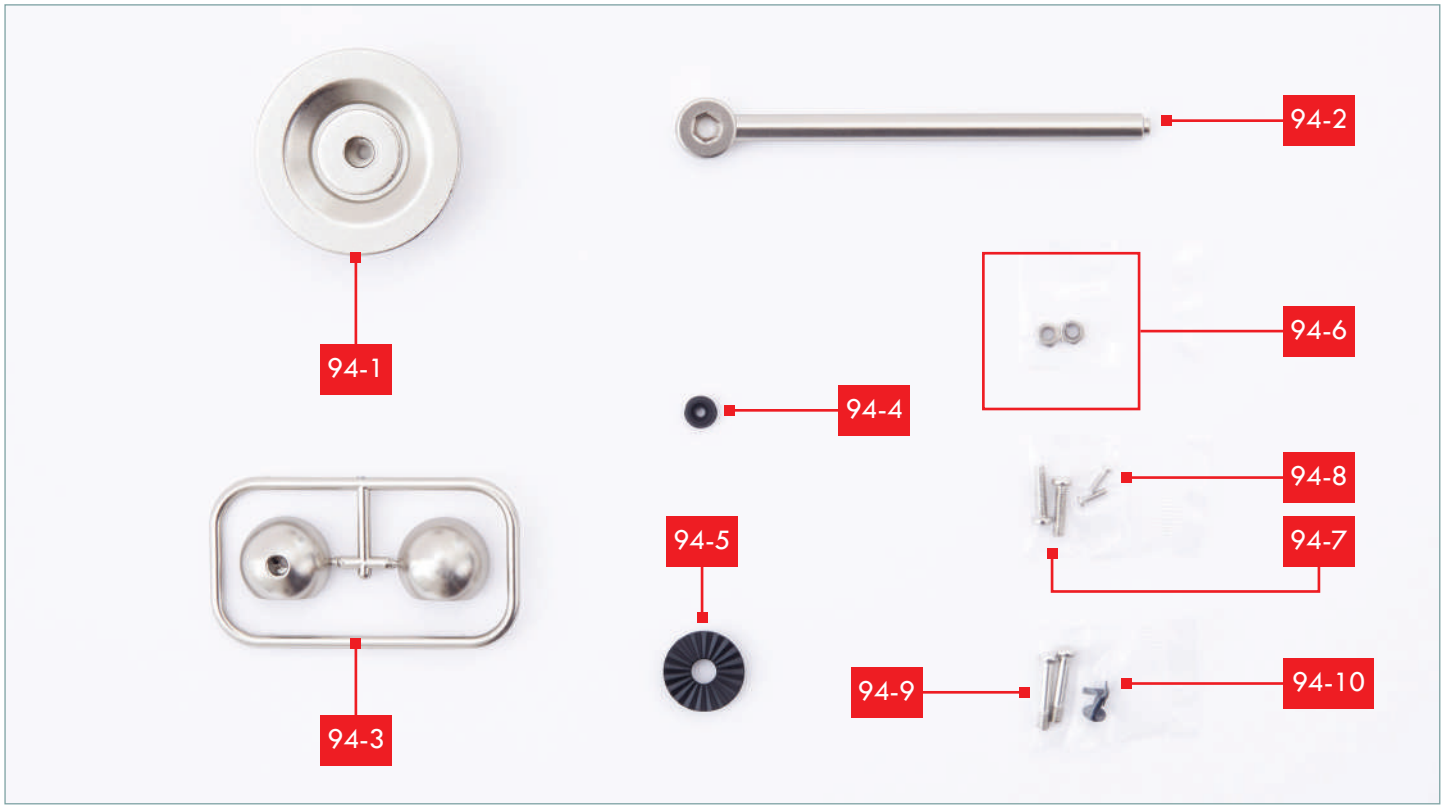
STAGE COMPLETE!

Another muscle for the left thigh has been assembled, together with part of the foot.

STAGE 94: AFFIX THE LEFT THIGH MUSCLE WITH NEWLY-CONSTRUCTED TENDONS



'Turn heel' by adding new elements to the foot, and put together another knee joint.

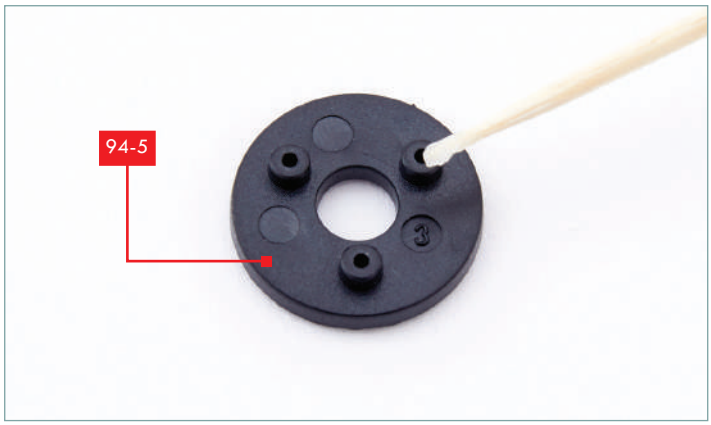


LIST OF PIECES

94-1	Knee joint	94-7	2x PM screws (3x12 mm) (1 spare)
94-2	Tendon for left thigh muscle	94-8	2x PB screws (2x6 mm) (1 spare)
94-3	Heel parts	94-9	2x PM screws (3x16 mm) (1 spare)
94-4	Rubber washer for tendon	94-10	2x PWM screws (2x5 mm) (1 spare)
94-5	Centre part for joint		
94-6	2x M3 nuts (1 spare)		

YOU WILL ALSO NEED

Tendon assembly and model from stage 92, a fine crosshead screwdriver, superglue and a cocktail stick.

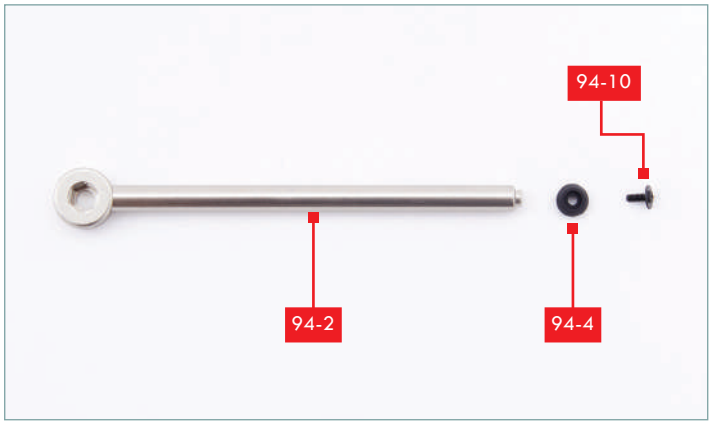


STEP 1

Apply a little superglue to the three raised studs on the centre part for the joint **94-5**.

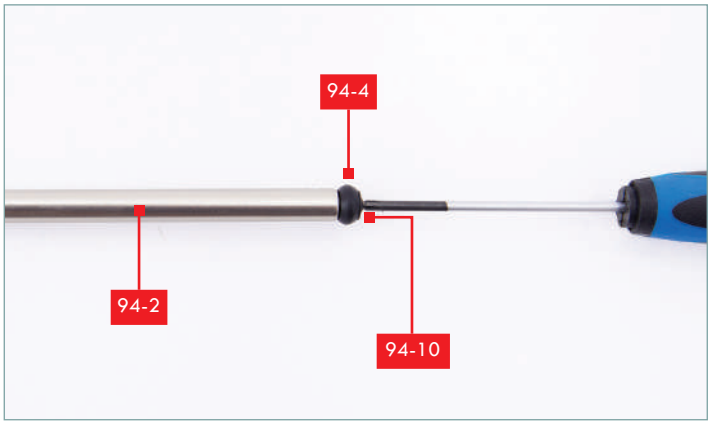
STEP 2

Fit the centre part **94-5** into the knee joint **94-1**, ensuring that the three studs in part **94-5** fit into the sockets in part **94-1** (inset, below).



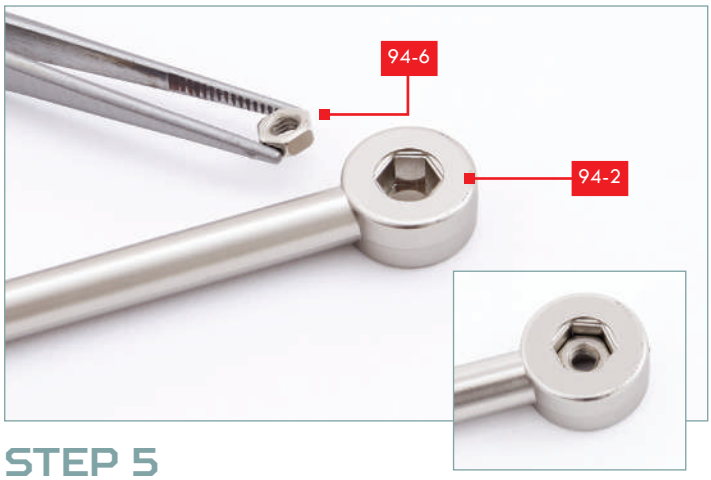
STEP 3

Take the tendon for the left thigh muscle **94-2** together with the rubber washer **94-4** and a PWM 2x5 mm screw (**94-10**). Note that one side of the rubber washer has a recess. This fits over the shaped end of part **94-2**.



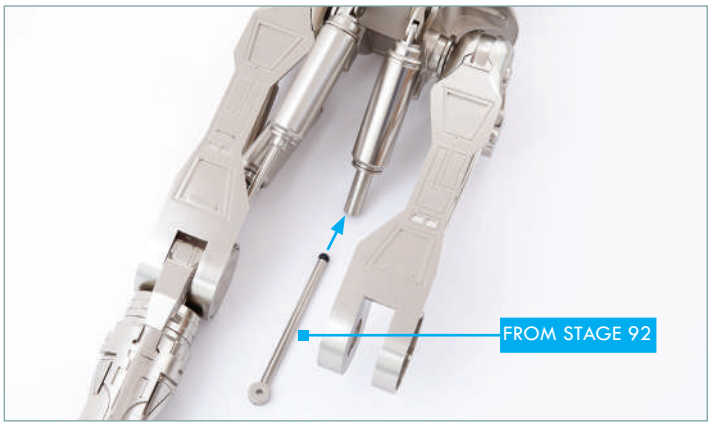
STEP 4

Fix the rubber washer **94-4** in place with a PWM 2x5 mm screw (**94-10**). Do not overtighten the screw.



STEP 5

Fit an **M3** nut (**94-6**) into the shaped recess in the end of the tendon. Place on one side until needed, taking care that the washer does not fall out (inset).

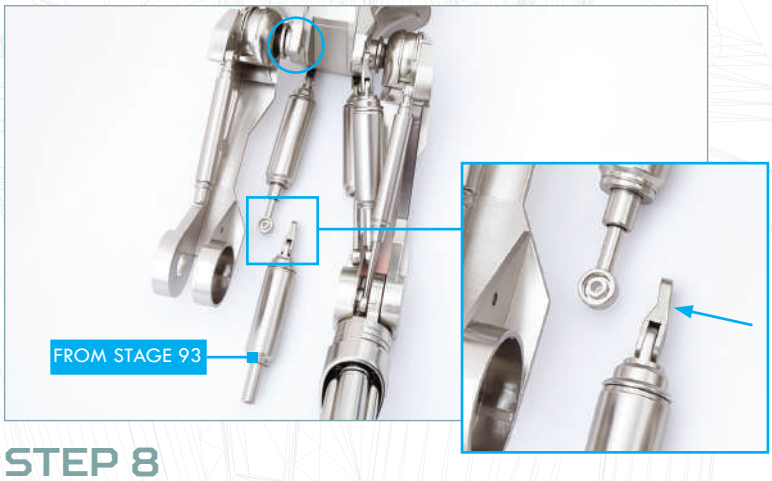


STEP 6

Place your model on the work surface, facing upwards. Fit the tendon from stage 92 into the muscle that was fitted in stage 91.

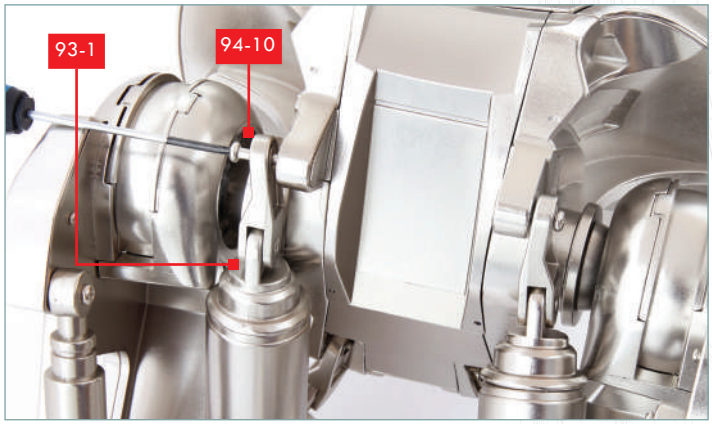
STEP 7

This shows the tendon in place.



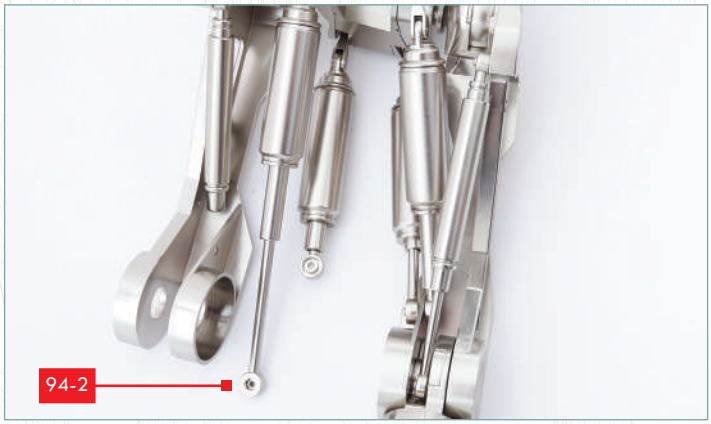
STEP 8

Turn the model over so that it faces downwards. Identify the fixing point (circled) for the muscle assembled in stage 93. Note the orientation of the connector on the end of the muscle (arrow).



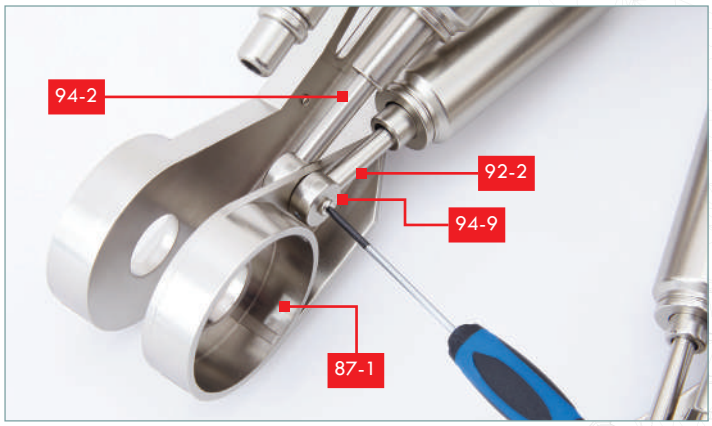
STEP 9

Fix the connector to the back of the hip using a PM 3x12 mm screw (**94-10**).



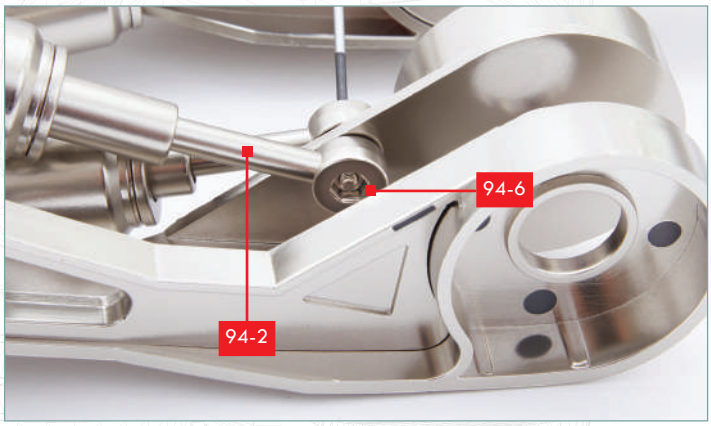
STEP 10

Take the tendon **94-2** from this stage, with the **M3** nut. Fit the tendon assembly into the end of the muscle fitted in the previous steps.



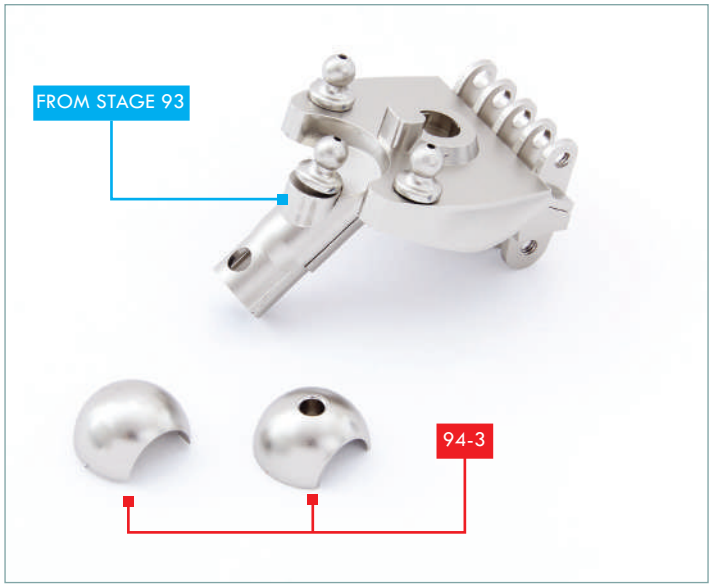
STEP 11

Arrange the ends of the tendons, **94-2** and **92-2** on either side of the strut on the back of the thigh **87-1**. Note that the **M3** nut on tendon **94-2** faces outwards (see also next step). Fix the ends of the tendons in place with a PM 3x16 mm screw (**94-9**). Do not overtighten: the parts should be able to move.



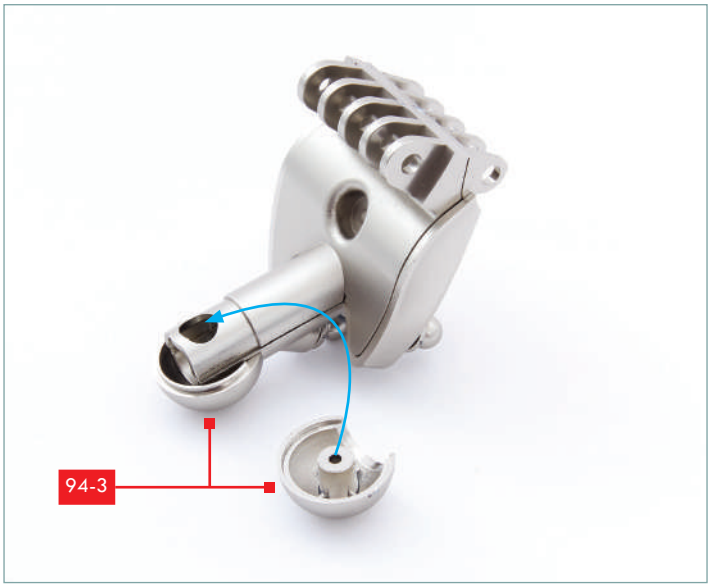
STEP 12

This shows the **M3** nut (**94-6**), with the end of the 3x16 mm screw flush with the outer face of the nut.



STEP 13

Remove the two parts of the heel from frame **94-3** and take the foot, assembled in the previous stage.



STEP 14

Check how the heel parts fit on either side of the heel of the foot: the holes on either side of the 'stalk' of the heel are a different size, to accommodate the different sized screw sockets in the centre of the heel parts **94-3**.

STEP 15

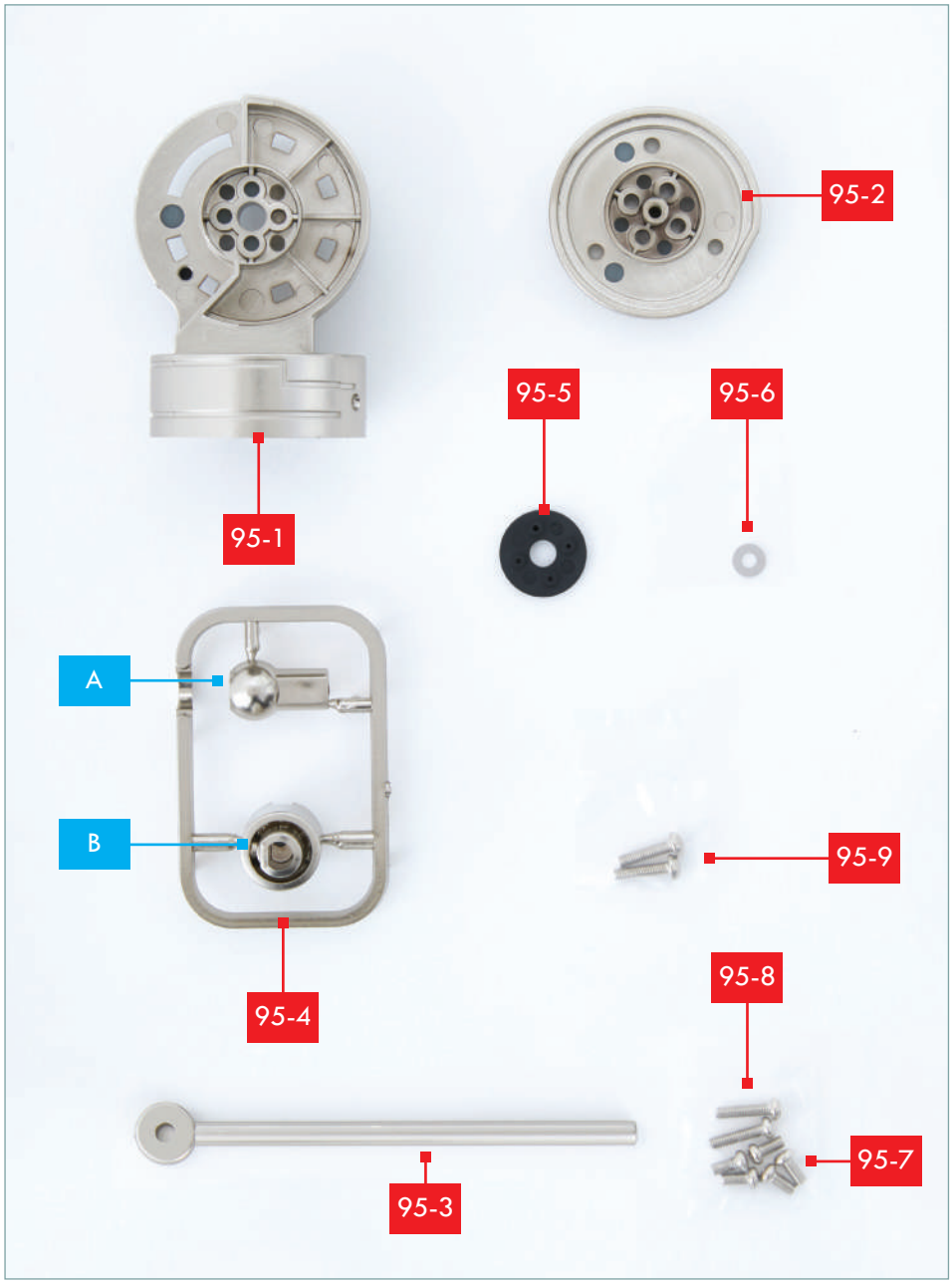
Fix the heel parts together on the end of the foot using a PB 2x6 mm screw (**94-8**).

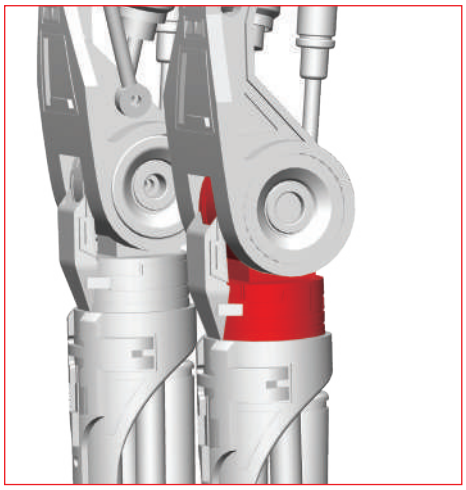
STAGE COMPLETE!

Part of the knee joint has been assembled, and the heel has been fitted to the foot. Tendons now hold the left thigh muscles in place.

STAGE 95: ASSEMBLE AND AFFIX A KNEE JOINT

Attach the knee joints to a lower thigh, and attach an ankle ball and socket to a foot.



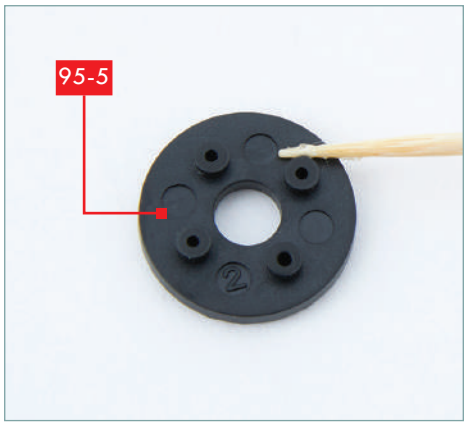


LIST OF PIECES

95-1	Knee joint
95-2	Knee joint
95-3	Left leg tendon
95-4	Left ankle parts (A and B)
95-5	Joint washer
95-6	Metal washer
95-7	5x PM screws (3x6 mm) (1 spare)
95-8	2x PM screws (3x12 mm) (1 spare)
95-9	2x Allen screw (3x12 mm) (1 spare)

YOU WILL ALSO NEED

Rubber washer 86-05 (supplied with stage 86), knee joint parts from stages 92 and 94, foot assembly from stage 84, a cross-head screwdriver, a sharp craft knife and cutting mat, Allen key (supplied with stage 26), superglue and a cocktail stick.



STEP 1

Apply a little superglue to the four raised studs on the joint washer **95-5**.

STEP 2

Identify the fixing point for the joint washer **95-5** in the centre of the knee joint **95-1**. The studs fit into the holes (circled).

STEP 3

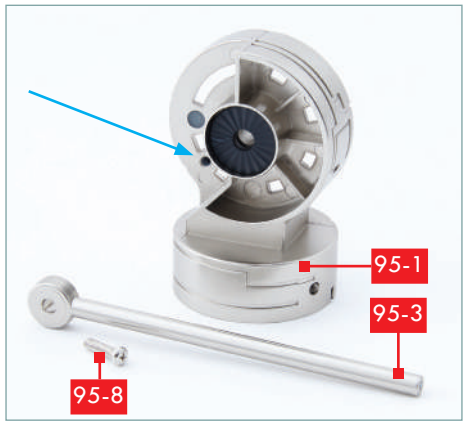
This shows the joint washer **95-5** fixed in place in the knee joint **95-1**.

STEP 4

In the same way, glue the joint washer **86-5** (supplied with stage 86) in place on the other side of part **95-1**.

STEP 5

This shows the joint washer **86-5** in place.

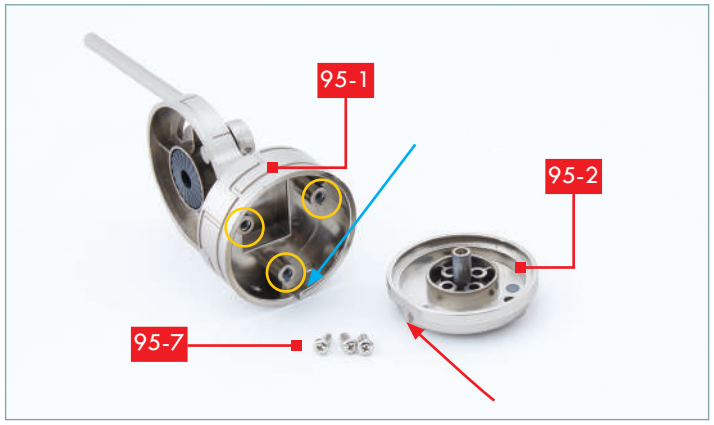


STEP 6

Take the tendon **95-3** and a PM 3x12 mm cross-head screw (**95-8**). Identify the fixing point for the tendon on the knee joint part **95-1** (arrow).

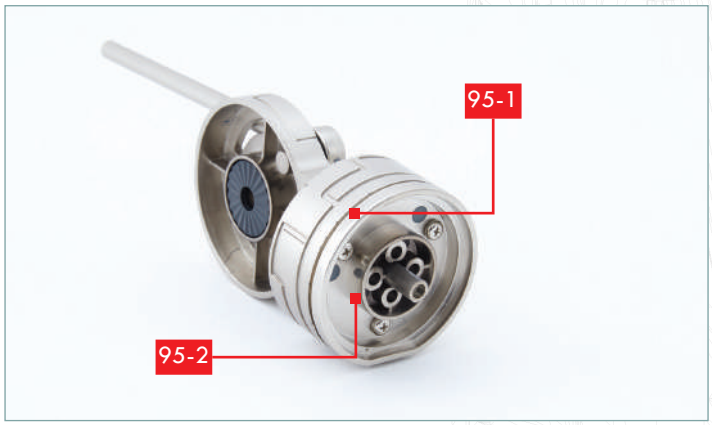
STEP 7

Use a fine cross-head screwdriver and the PM screw to fix the tendon **95-3** to part **95-1**, as shown.



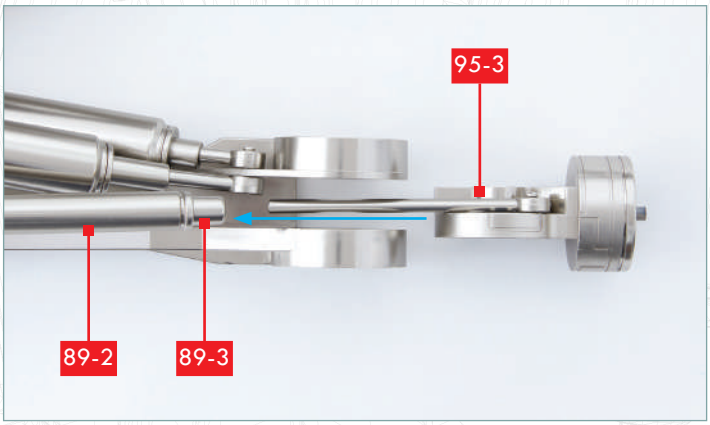
STEP 8

Turn the knee joint assembly so that you can access the three screw sockets on part **95-1** (circled). Take the knee joint part **95-2** and check how it fits in part **95-1**. Note that there is a tab on part **95-2** (red arrow) that fits into a notch in part **95-1** (blue arrow). You will also need three PM 3x6 mm screws (**95-7**).



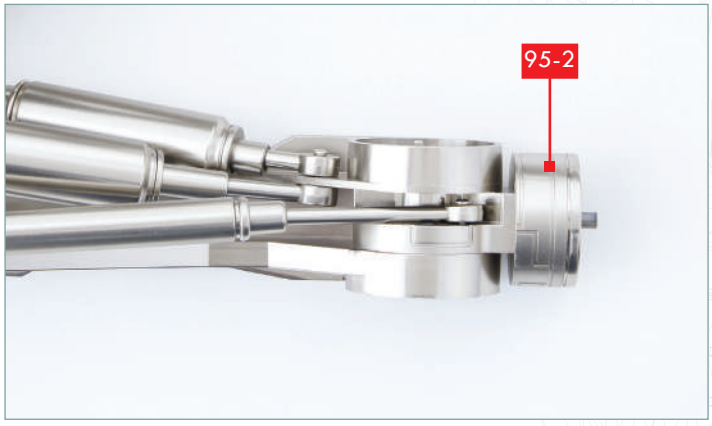
STEP 9

Use the three PM 3x6 mm screws to fix part **95-2** inside the base of part **95-1**, as shown.



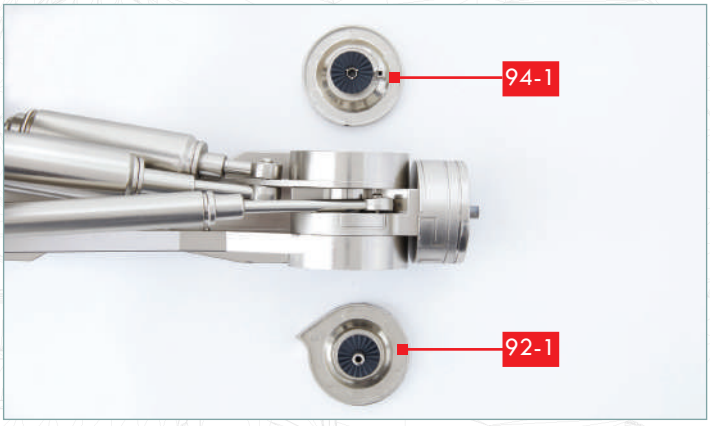
STEP 10

Place your Terminator T-800 model face downwards, so that you can access the leg part **89-2**/**89-3**. Fit the knee joint assembly into the knee, and at the same time fit the tendon **95-3** into the end of the leg part **89-3**, as indicated by the arrow.



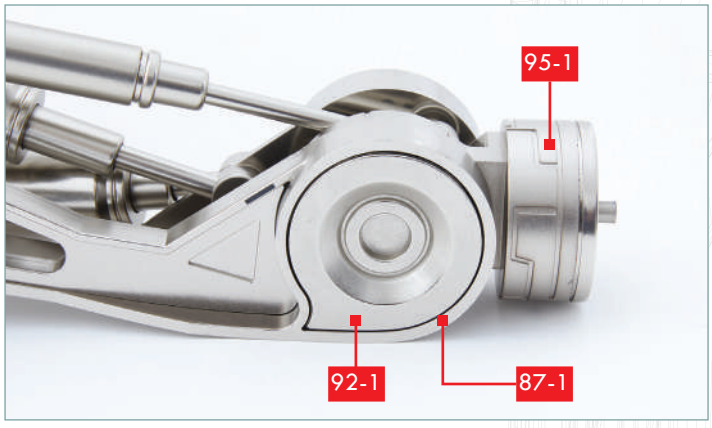
STEP 11

This shows the knee assembly (viewed from behind).



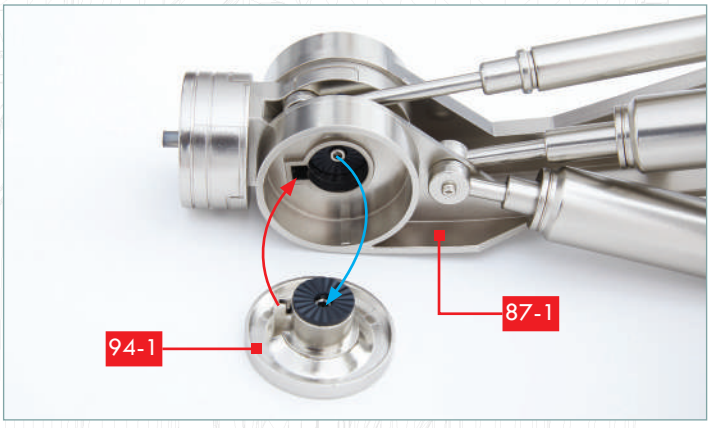
STEP 12

Take the knee joint parts **92-1** and **94-1** with joint washers (assembled in stages 92 and 94). Part **92-1** fits on the outside of the knee joint and **94-1** fits on the inside of the joint.



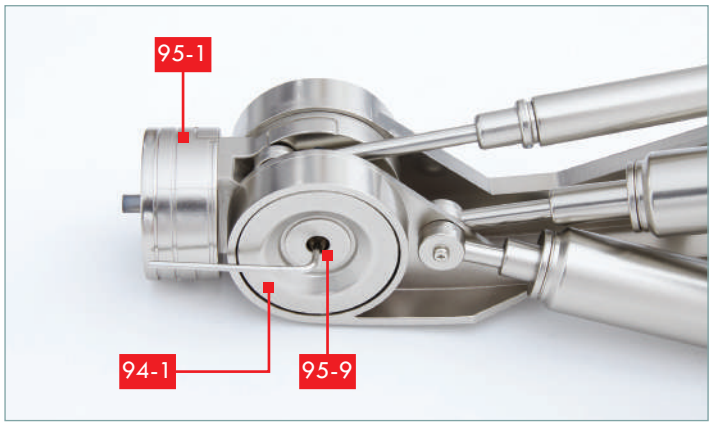
STEP 13

Fit part **92-1** into the recess in the side of the thigh part **87-1**. The shaft on part **92-1** goes through part **87-1** and through the central hole in part **95-1**.



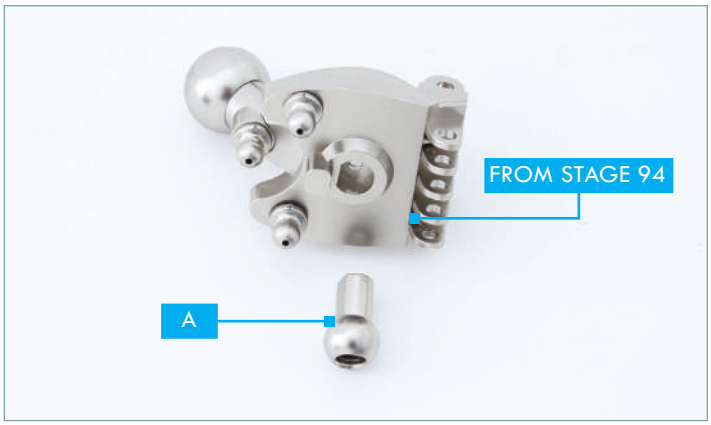
STEP 14

Check how part **94-1** fits on the the other side of the knee joint at the end of the thigh part **87-1**. Note that there is a square tab on part **94-1** which fits into a recess as indicated (red arrow). The shaft of part **92-1** fits into the centre of part **94-1** (blue arrow).



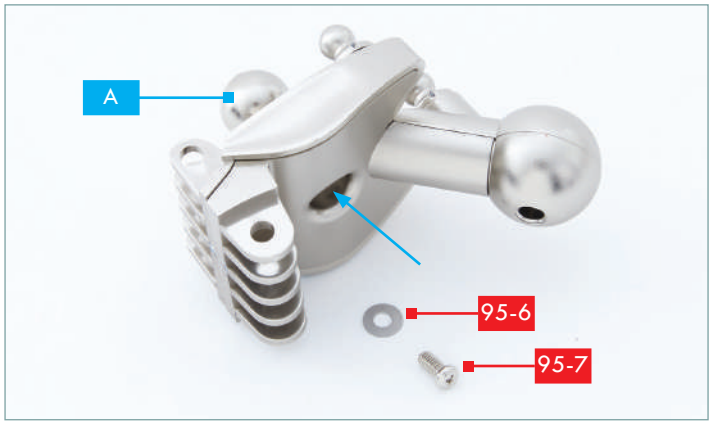
STEP 15

Take a 3x12 mm Allen-type screw **95-9** and fit it into the centre of the joint part **94-1**. Use the Allen key to tighten it, but do not over-tighten. It should be possible to move part **95-1** up and down.



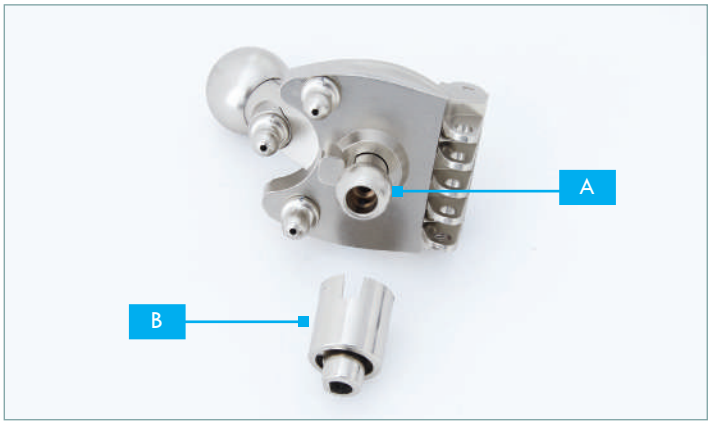
STEP 16

Take the foot assembly from stage 94. Carefully cut part **A** from frame **95-4** and remove any rough edges. Check how it fits into the socket in the foot assembly.



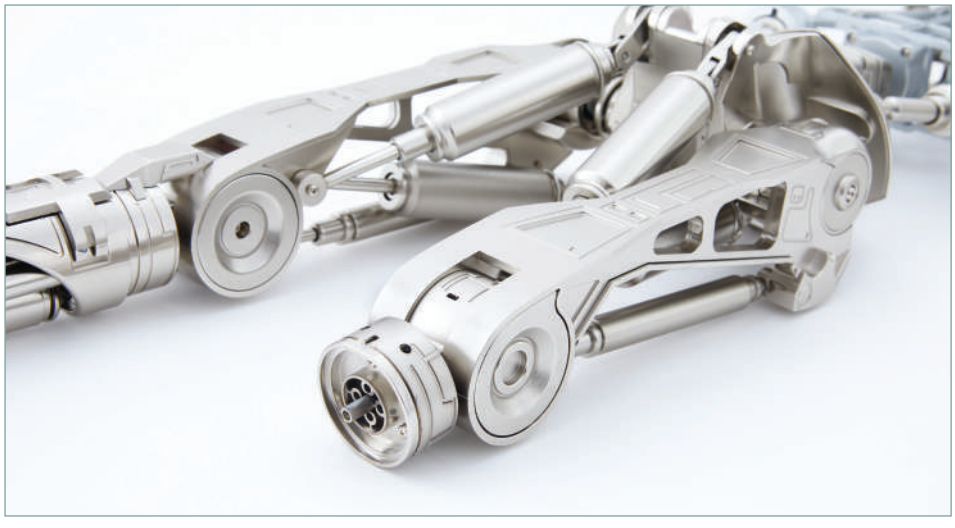
STEP 17

Holding part **A** in place, turn the foot assembly round so that you can access the other side of the socket. You will need a washer **95-6** and a PM 3x6 mm screw (**95-7**). Fit the washer onto the screw and use the screw to fix part **A** in place (arrow).



STEP 18

Cut part **B** from frame **95-4** and remove any rough edges. Push the open end of part **B** firmly over the ball of part **A**. You will hear it click in place.

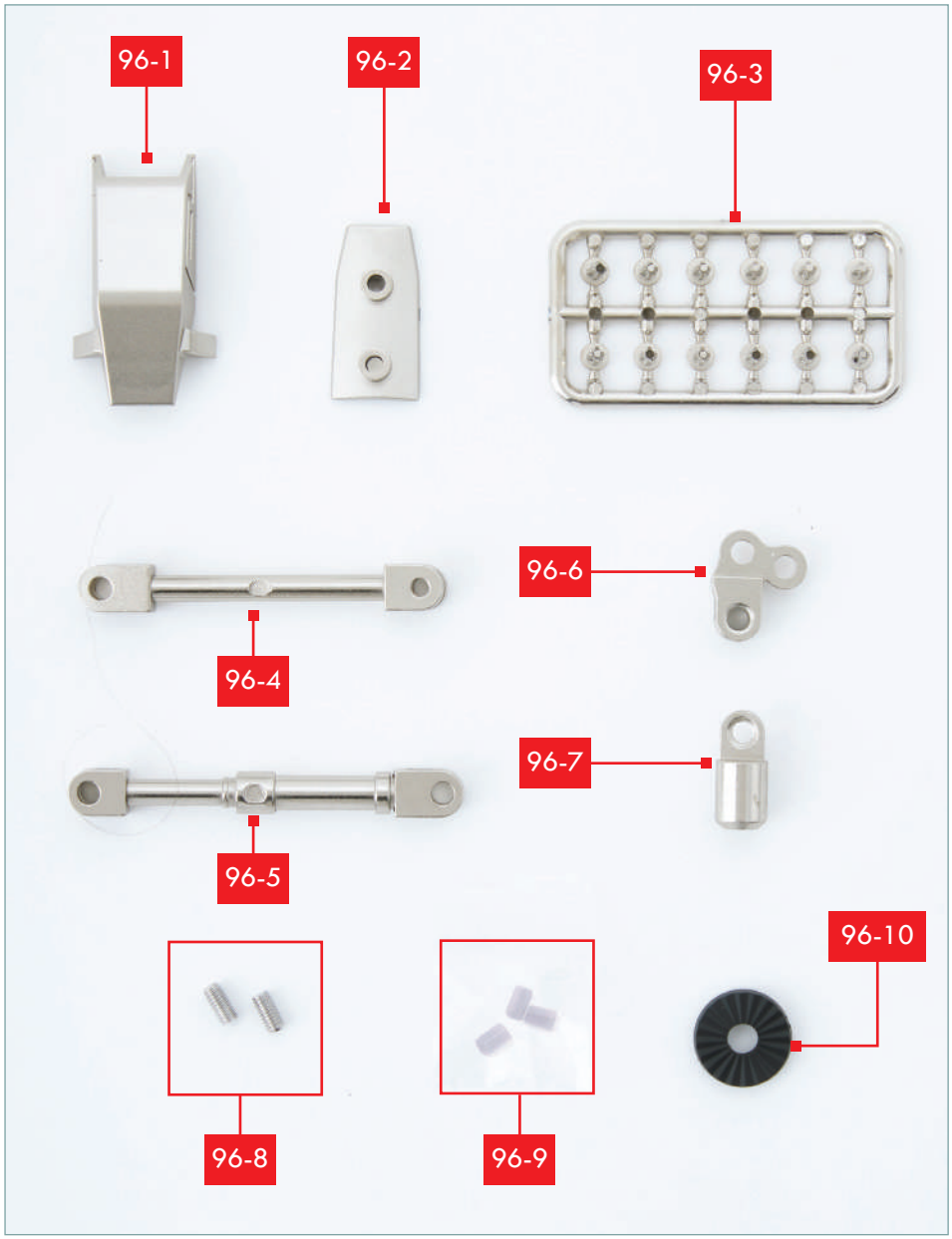


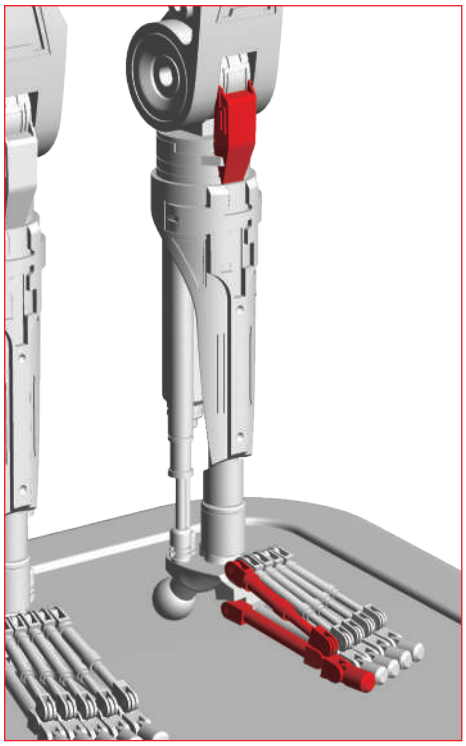
STAGE COMPLETE!

The knee joint has been fitted to the lower end of the thigh. An ankle ball and socket have been fitted to the foot.

STAGE 96: ADD THE LEFT KNEE CAP AND ASSEMBLE A TOE

Connect the first toe and foot parts, and finish the knee with a cover.



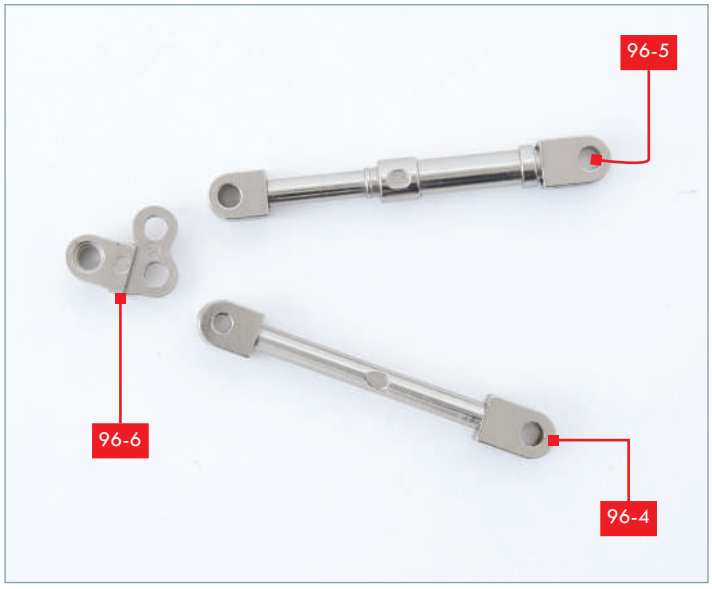


LIST OF PIECES

96-1	Outer left knee cap
96-2	Inner left knee cap
96-3	12x Foot joint pins (2 spares)
96-4	Foot part (marked 1)
96-5	Foot part (marked 1)
96-6	Foot joint
96-7	Toe
96-8	2x grub screw (4x8 mm) (1 spare)
96-9	3x Plastic sleeves (1 spare)
96-10	Joint washer

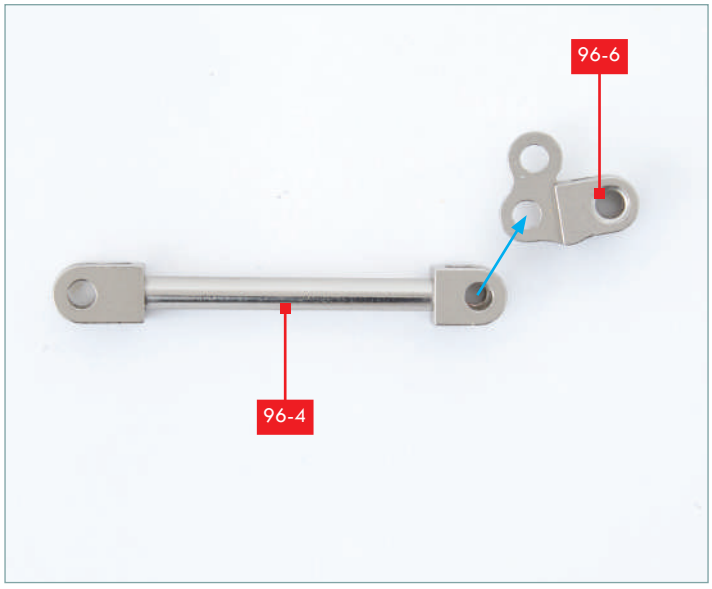
YOU WILL ALSO NEED

A sharp craft knife and cutting mat, Allen key (supplied with stage 26), superglue and a cocktail stick.



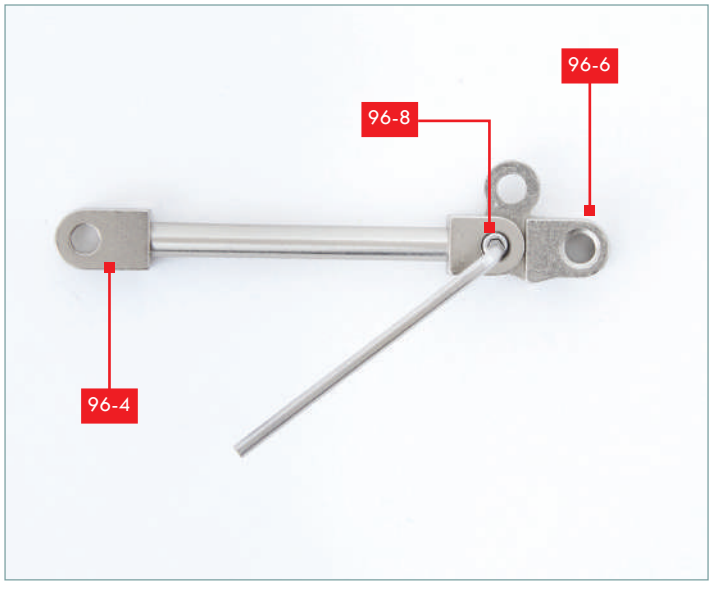
STEP 1

Check the foot parts **96-4**, **96-5** and **96-6**. Note that they all have a number on one side. In the following steps, work with the numbers facing downwards. Also, the foot parts are carefully shaped to produce a splayed effect so follow the instructions carefully.



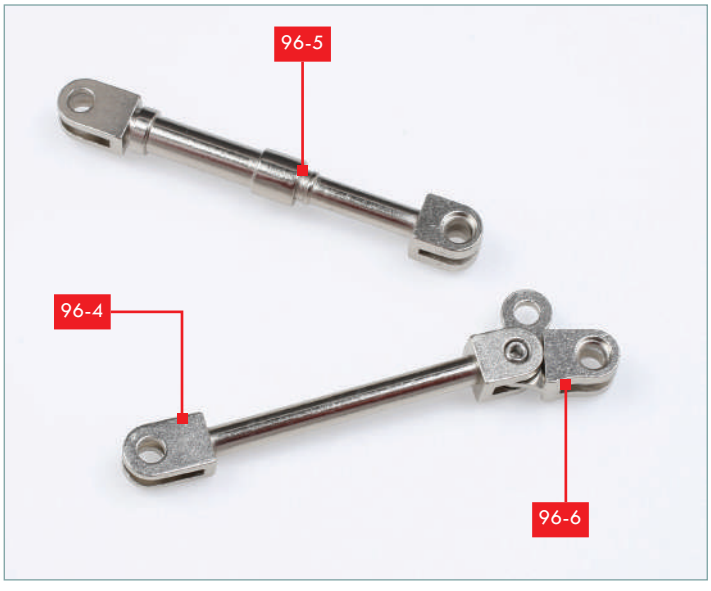
STEP 2

Fit the shorter flanges on foot part **96-4** on either side of the hole in part **96-6**, as indicated by the arrow.



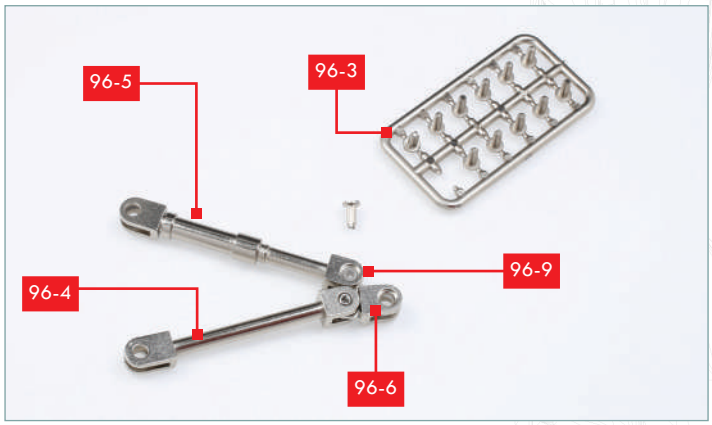
STEP 3

Fit a grub screw **96-8** through the joint between parts **96-4** and **96-6** and tighten it using an Allen key.



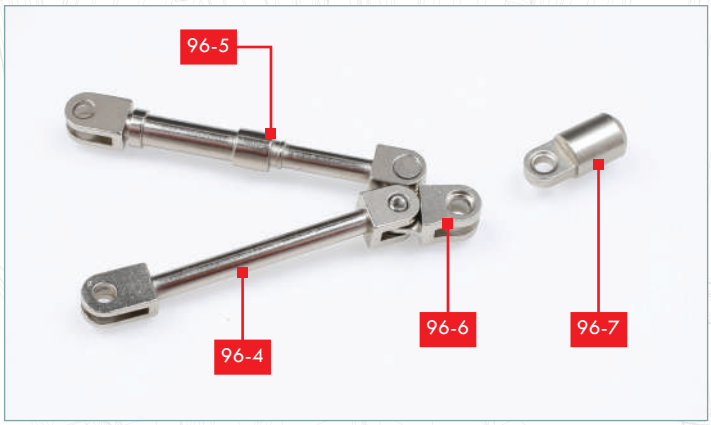
STEP 4

With the number facing downwards, fit the next foot part **96-5** to the hole in part **96-6** that is adjacent to the hole where part **96-4** is fitted. Note that the shorter flanges on part **96-5** are fitted to part **96-6**.



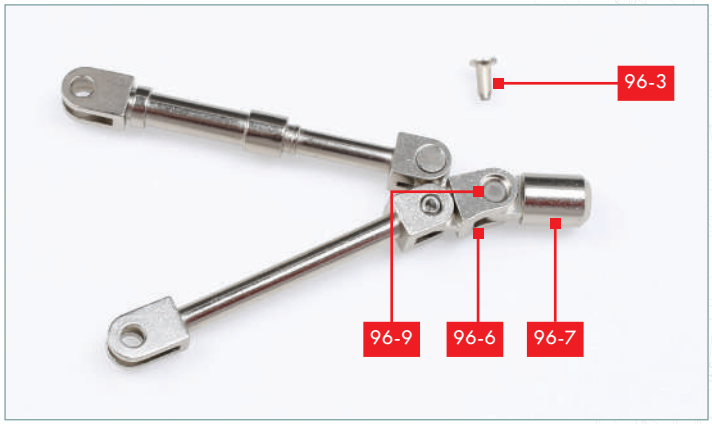
STEP 5

Fit a plastic sleeve **96-9** through the holes in parts **96-5** and **96-6** to hold them together. Cut a pin from frame **96-3** and push it into the plastic sleeve. Place the joint on a flat surface as you push it, so that the sleeve stays in place.



STEP 6

Fit the flanges on part **96-6** on either side of the hole in the toe **96-7**.

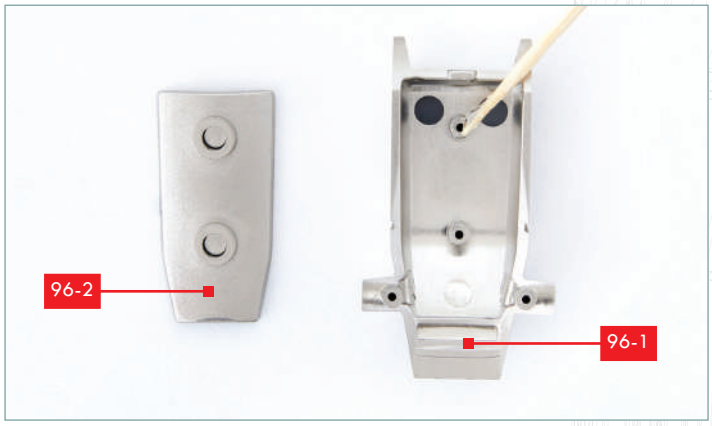


STEP 7

Fit a plastic sleeve through the holes in parts **96-6** and **96-7**. Cut a pin from frame **96-3** and push it firmly into the plastic sleeve to create a firm but flexible joint.

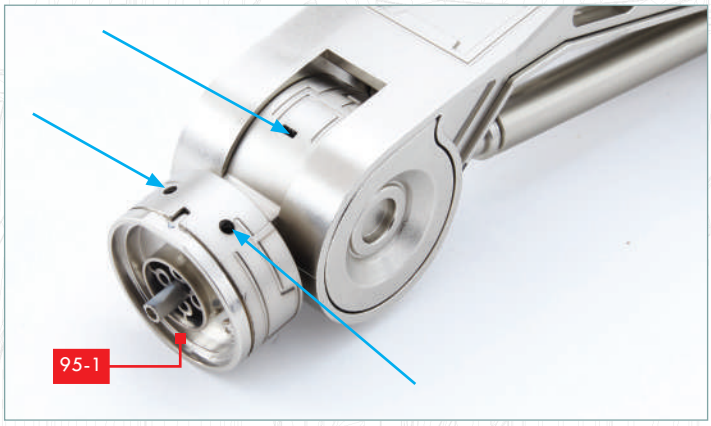
EXPERT TIP!

When viewed from above, you can see that the lower bar of the assembly is angled outwards.



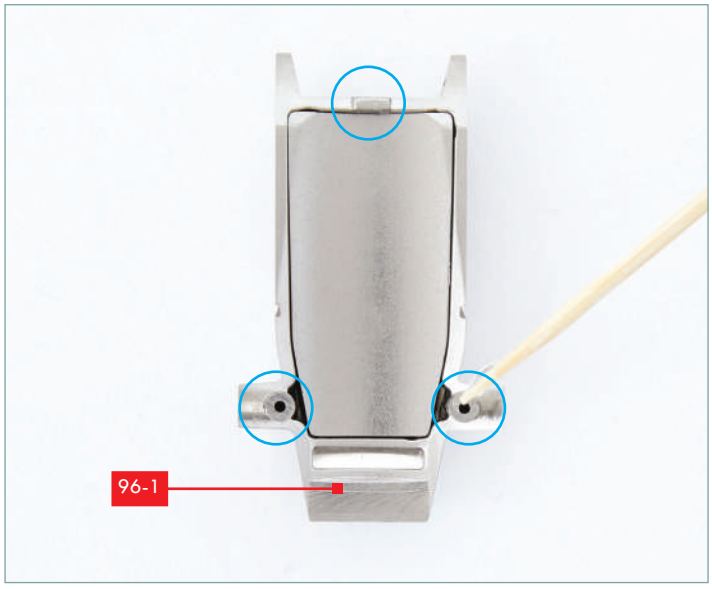
STEP 8

Check how the inner and outer parts of the knee cap **96-1** and **96-2** fit together. Studs on part **96-1** fit into recesses in part **96-2**, as indicated. Use a cocktail stick to apply a little superglue to the two studs on part **96-1**. Stick the two parts together.



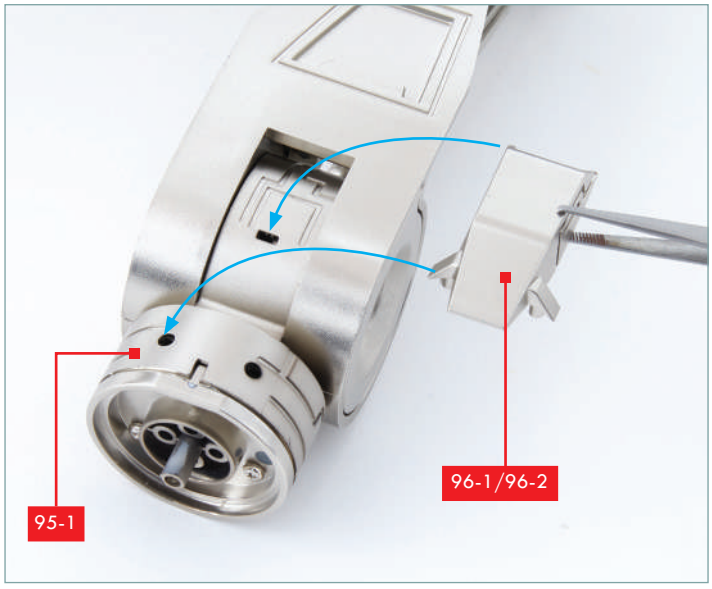
STEP 9

Identify the fixing points for the knee cap on the knee joint **95-1**. There are two holes and a slot for the tabs on part **95-1** (arrows).



STEP 10

Apply a little superglue to the two round studs and the rectangular tab on part **96-1** (circled).



STEP 11

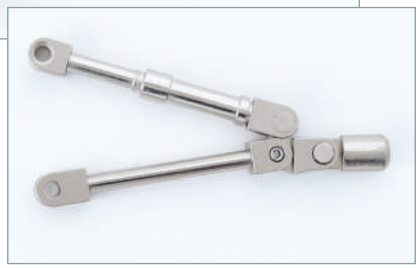
Glue the knee-cap assembly **96-1**/**96-2** in place on the knee joint **95-1**, as indicated.

STEP 12

Take the joint washer **96-10** and apply a little superglue to the four studs. Fix the washer in place on part **95-2** at the base of the knee joint.

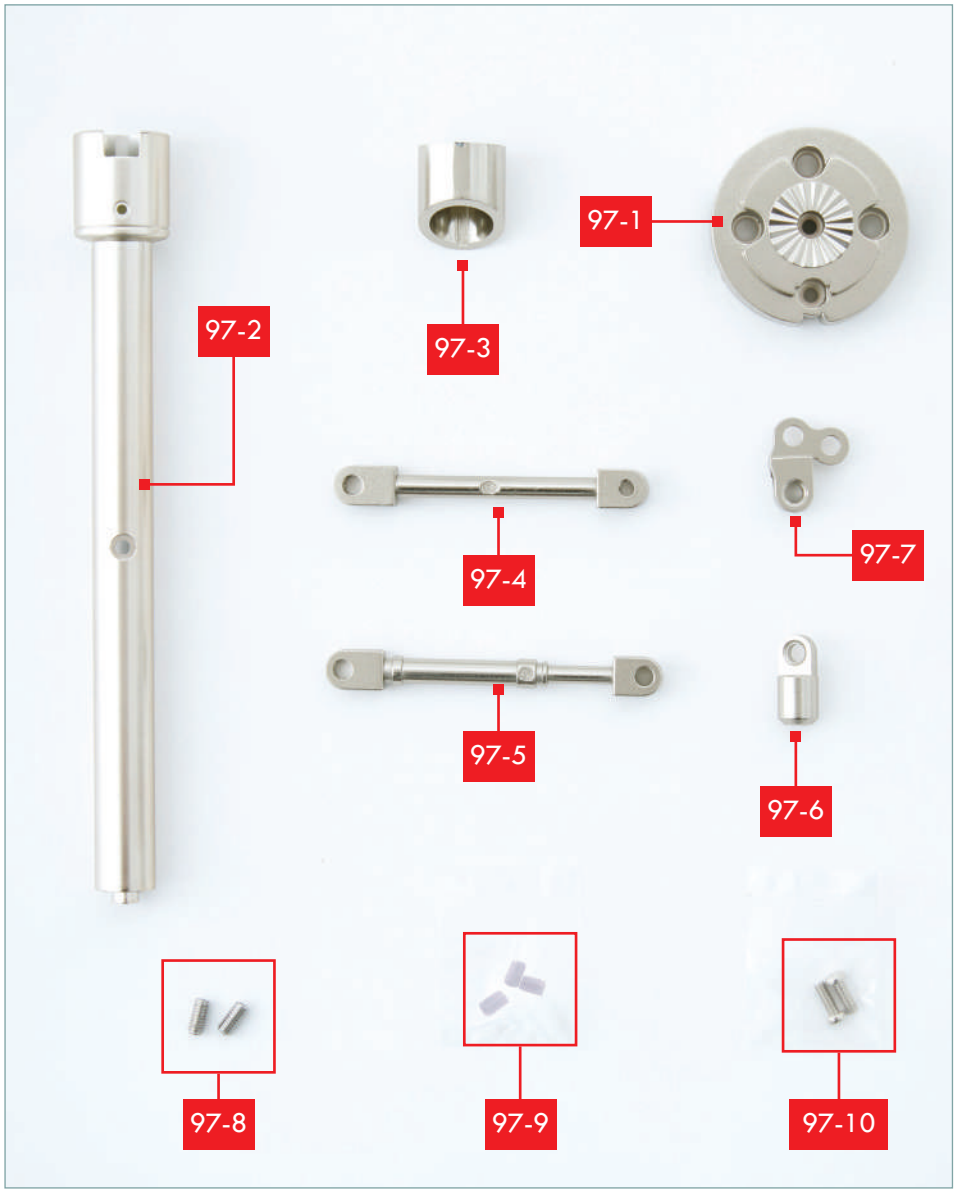
STAGE COMPLETE!

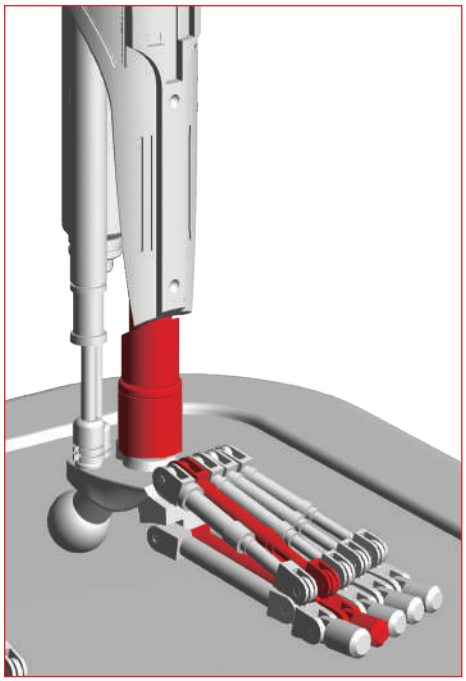
A toe has been fitted to the first part of the foot. The knee cap has been fixed to the knee joint.



STAGE 97: BUILD PART OF THE LOWER LEG, AND A SECOND TOE

Assemble the knee connector for the lower leg, and build another toe.



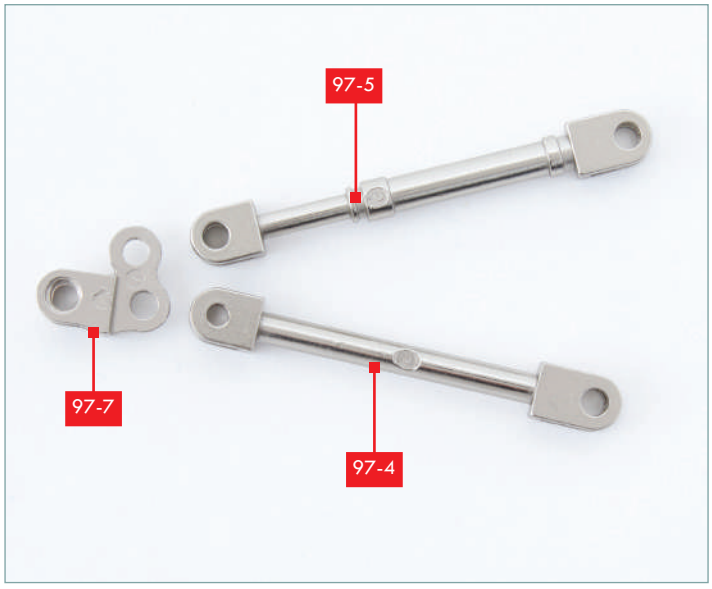


LIST OF PIECES

97-1	Base of knee joint
97-2	Lower leg part
97-3	Sleeve for lower leg part
97-4	Foot part (marked 2)
97-5	Foot part (marked 2)
97-6	Toe
97-7	Foot joint
97-8	2x grub screw (4x8 mm) (1 spare)
97-9	3x Plastic sleeves (1 spare)
97-10	2x PM screws (3x8 mm)

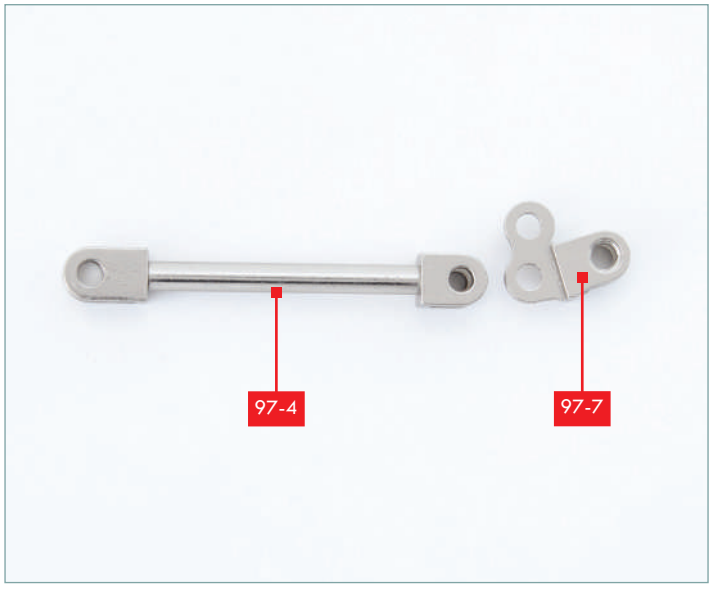
YOU WILL ALSO NEED

A sharp craft knife and cutting mat, Allen key (supplied with stage 26), a fine cross-head screwdriver, superglue and a cocktail stick.



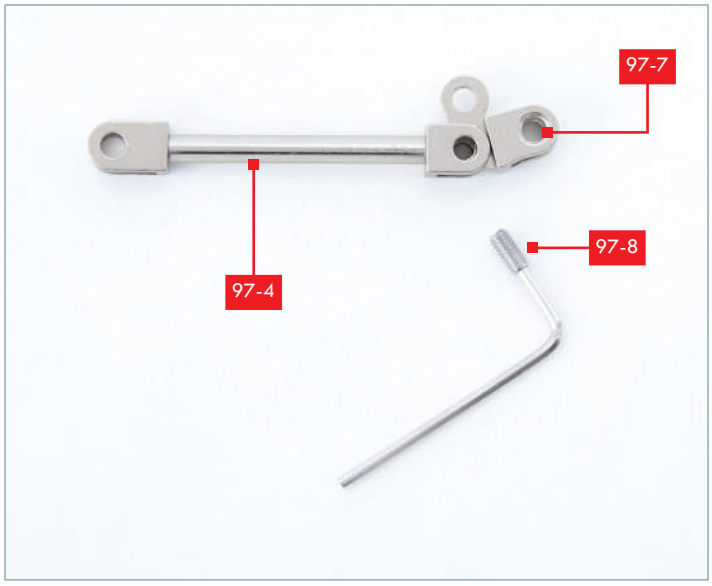
STEP 1

Examine the foot parts **97-4**, **97-5** and **97-7**. Note that they are all marked with numbers. When assembling the foot parts in the following steps, make sure that the numbers are facing downwards.



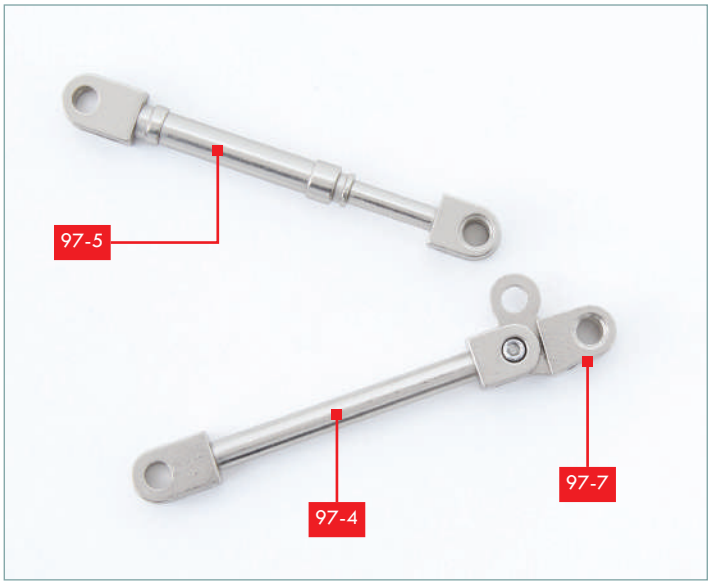
STEP 2

Fit the flanges at the end of part **97-4** around the central hole in part **97-7**. Note that it is the smaller flanges on part **97-4** that are fitted.



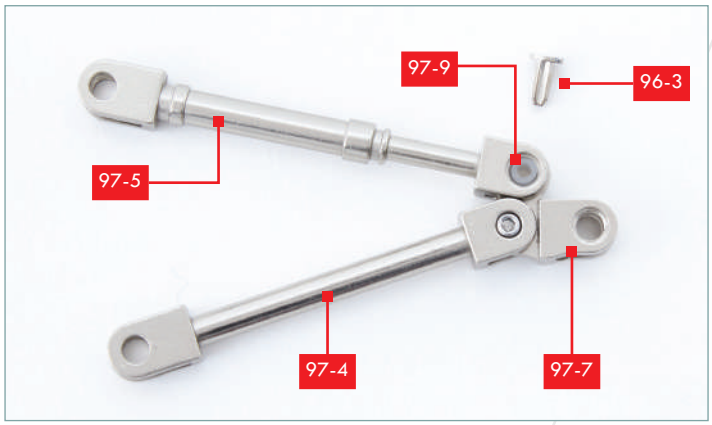
STEP 3

Use a 4x8 mm grub screw **97-8** and an Allen key to fix the parts together.



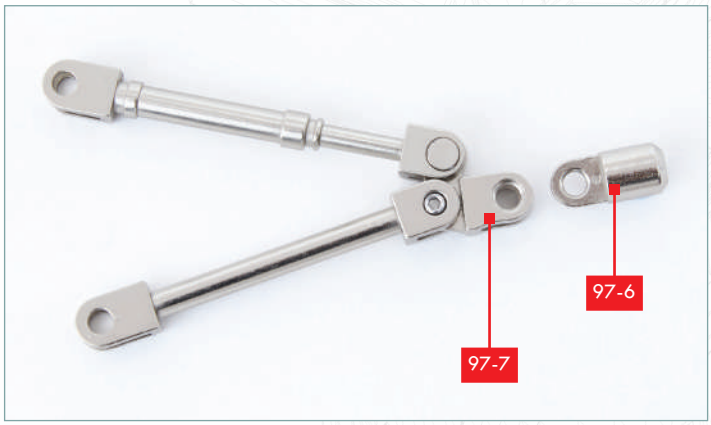
STEP 4

Take foot part **97-5** and fit the flanges around the hole in part **97-7** that is adjacent to the hole where part **97-4** is fitted. Note that it is the shorter flanges of part **97-5** that are attached.



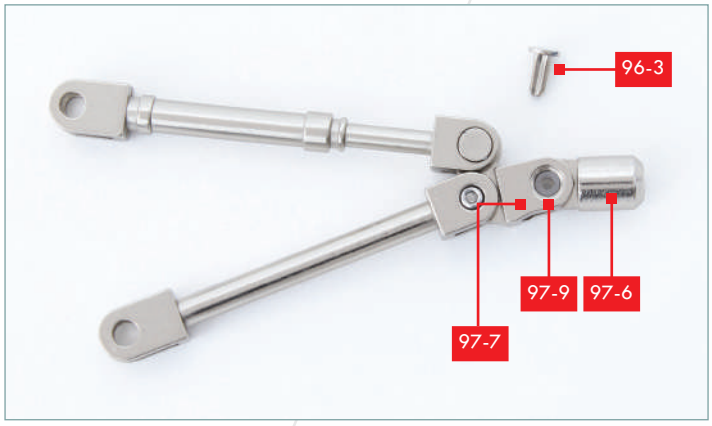
STEP 5

Fit a plastic sleeve **97-9** through the holes to hold part **97-5** in place. Cut a pin from frame **96-3** and push it firmly into the plastic sleeve. Place the joint on a flat surface so that you do not push the sleeve out as you push the pin in.



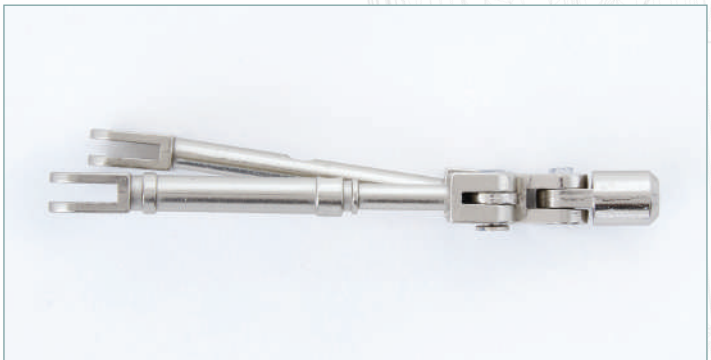
STEP 6

Take the toe **97-6** and fit the tab between the flanges on part **97-7** so that the holes are aligned.



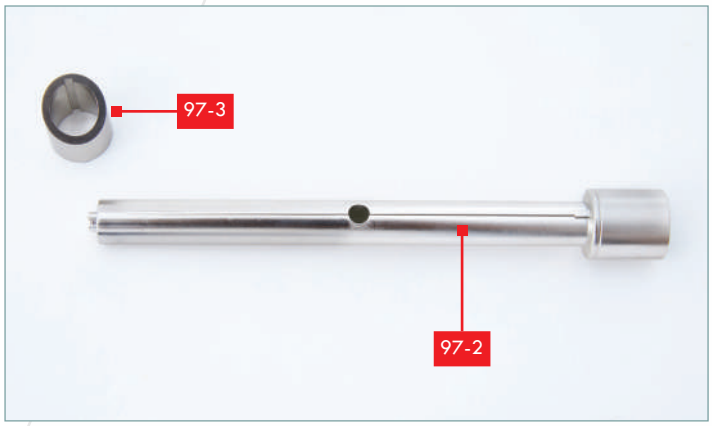
STEP 7

Fit a plastic sleeve **97-9** through the holes in the toe **97-6** and foot joint **97-7**. Cut a pin from frame **96-3** and push it firmly into the plastic sleeve.



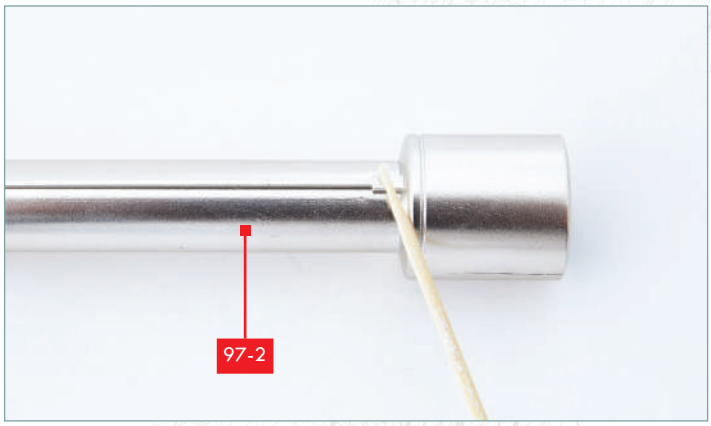
EXPERT TIP!

When viewed from above, you can see how part 97-4 is splayed outwards, but the angle is tighter than the angle of the similar part constructed in the previous stage.



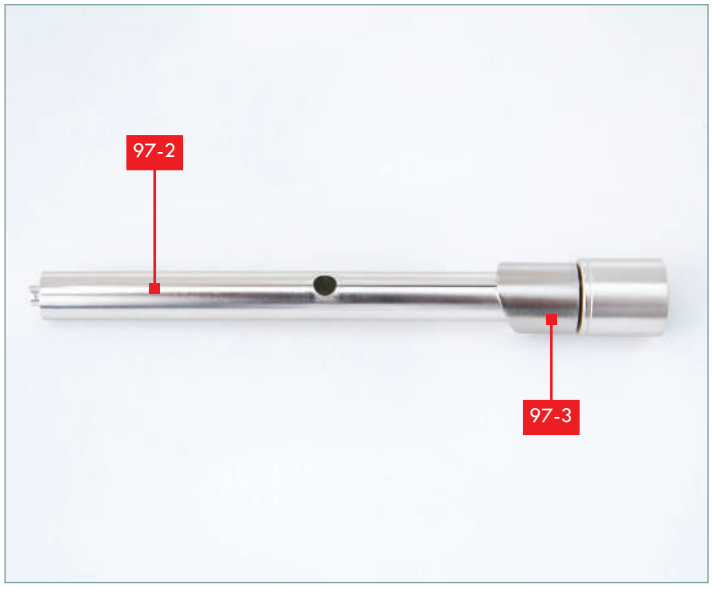
STEP 8

Take the leg part **97-2** and the sleeve **97-3**. Check how the sleeve fits on to the bar (see step 10): a slot on part **97-3** fits over the raised rib on part **97-2**.



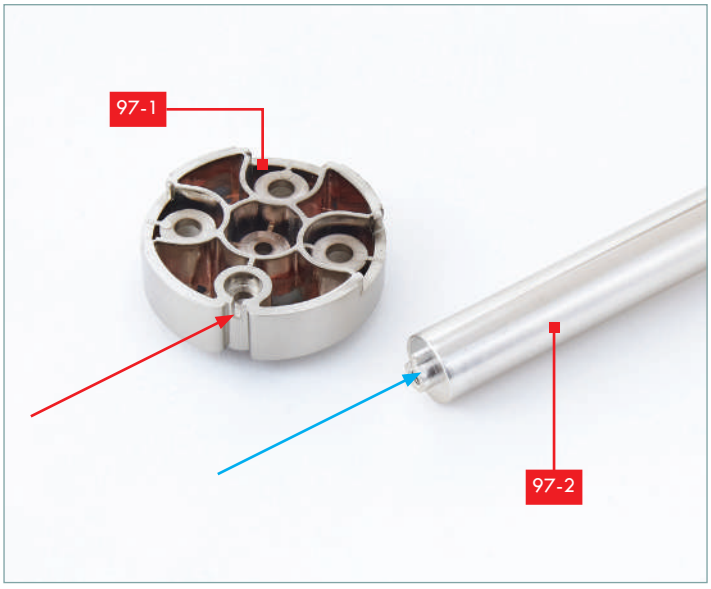
STEP 9

Apply a little superglue to the raised tab at the end of the rib on part **97-2**.



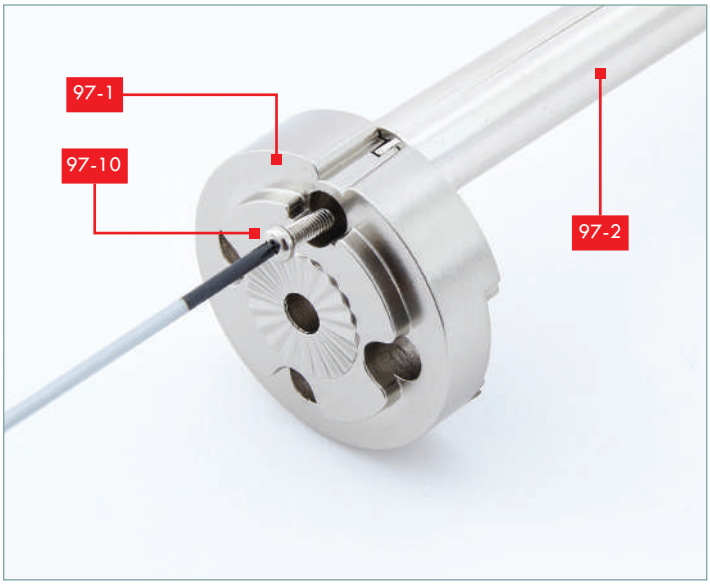
STEP 10

Fit the sleeve **97-3** on to the leg part **97-2** and fix in place as shown.



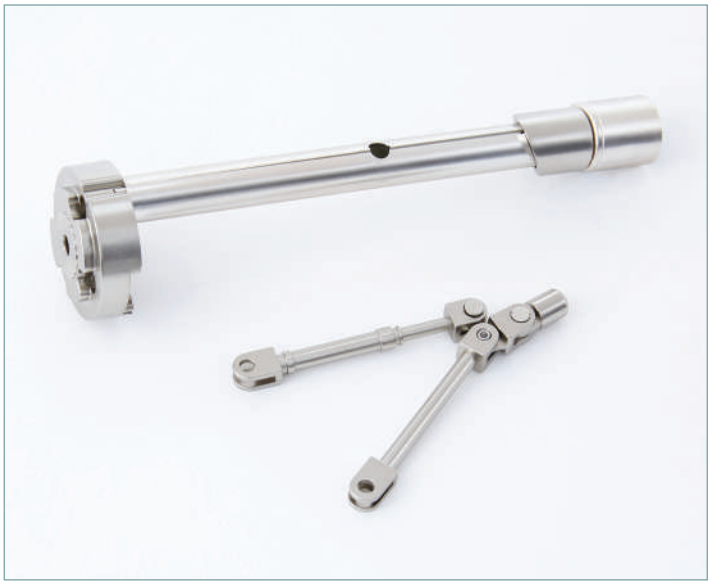
STEP 11

Take the base of the knee joint **97-1**. Note that there is a small tab on the end of **97-2** (blue arrow), which fits into a small slot on one side of part **97-1** (red arrow).



STEP 12

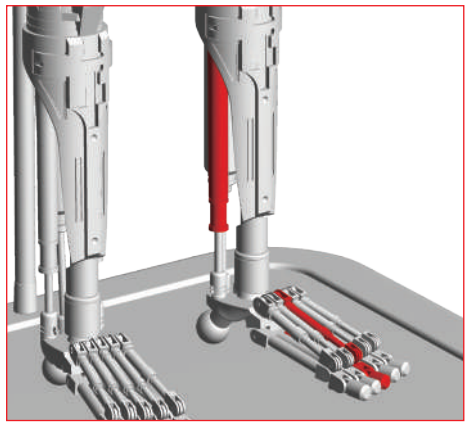
Fit part **97-2** into part **97-1** so that the tab is in the slot and fix in place with a PM 3x8 mm screw (**97-10**).



STAGE COMPLETE!

Part of the lower leg has been assembled. The second toe and foot parts have been fixed together.

STAGE 98: CONSTRUCT THE THIRD TOE, AND EXPAND THE LOWER LEG ASSEMBLY



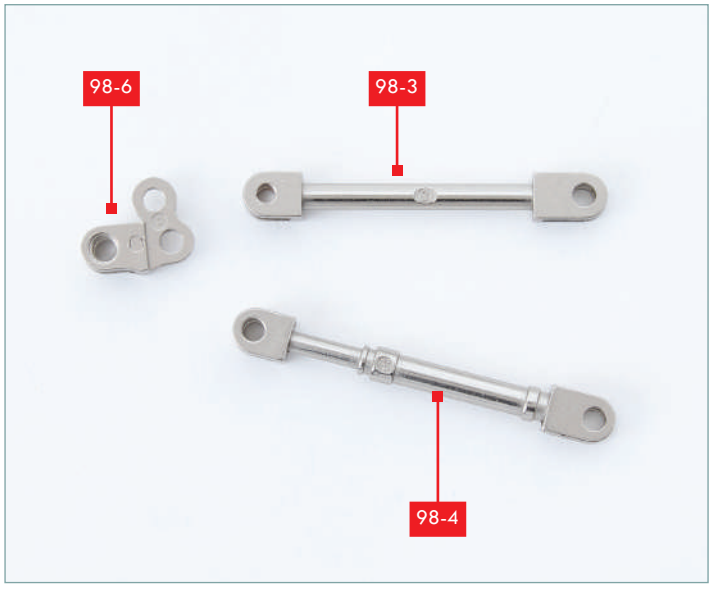
Connect the third toe and foot parts and add a second part to the lower leg.

LIST OF PIECES

98-1	Lower leg casing
98-2	Lower leg part
98-3	Foot part (marked 3)
98-4	Foot part (marked 3)
98-5	Toe
98-6	Foot joint
98-7	Screw housing
98-8	2x Grub screws (4x8 mm) (1 spare)
98-9	2x KM screws (2x16 mm)
98-10	3x Plastic sleeves (1 spare)

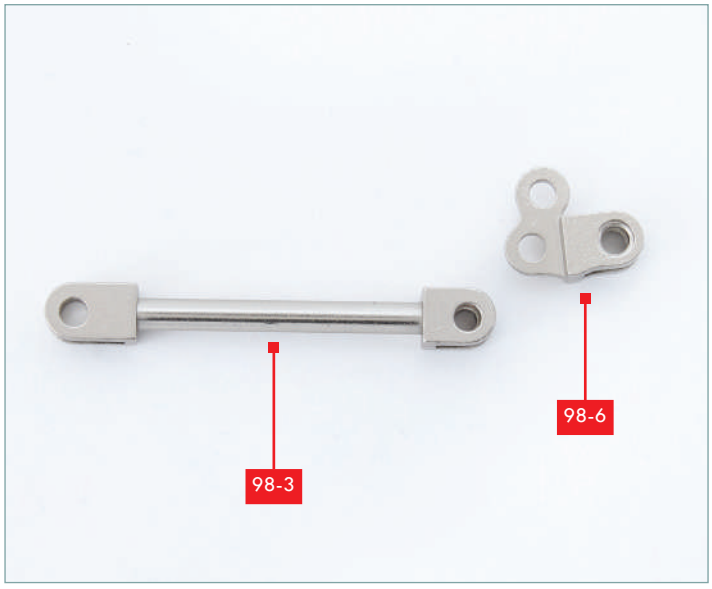
YOU WILL ALSO NEED

Joint pins from frame 96-3 (supplied with stage 96), lower leg assembly from stage 97, sharp craft knife and cutting mat, fine cross-head screwdriver, Allen key (supplied with stage 26), Superglue and a cocktail stick.



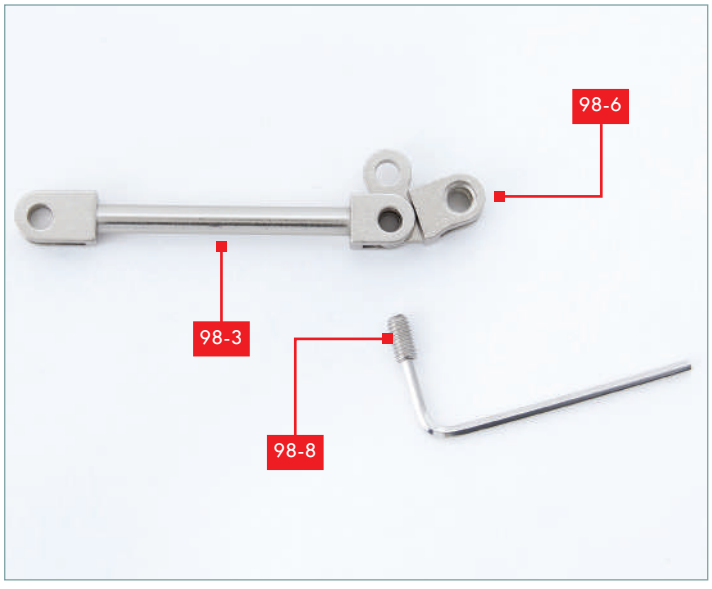
STEP 1

Examine the foot parts **98-3**, **98-4** and **98-6**. Note that they are all marked with numbers. When assembling the foot parts in the following steps, make sure that the numbers are facing downwards.



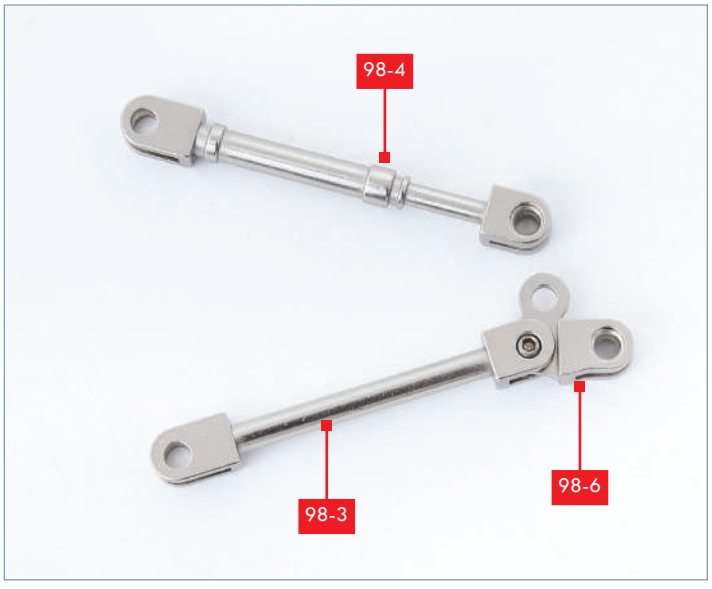
STEP 2

Fit the flanges at the end of part **98-3** around the central hole in part **98-6**. Note that it is the shorter flanges on part **98-3** that are fitted.



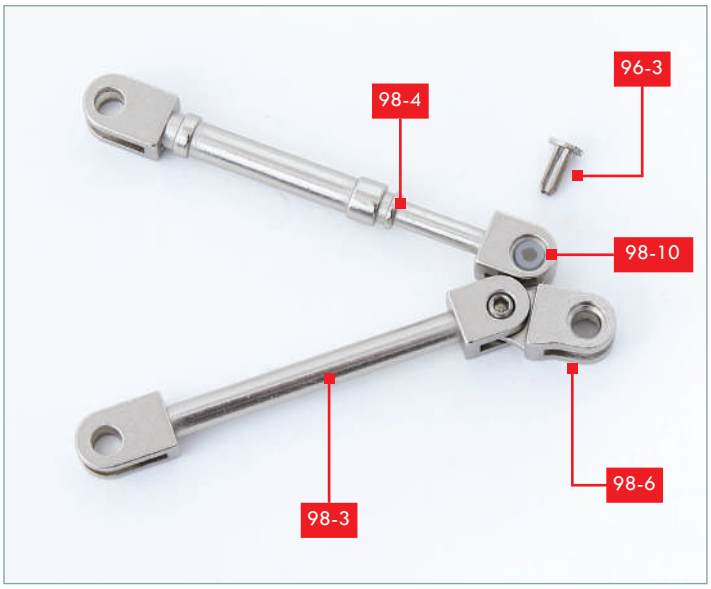
STEP 3

Use a 4 x 8mm grub screw **98-8** and an Allen key to fix the parts together.



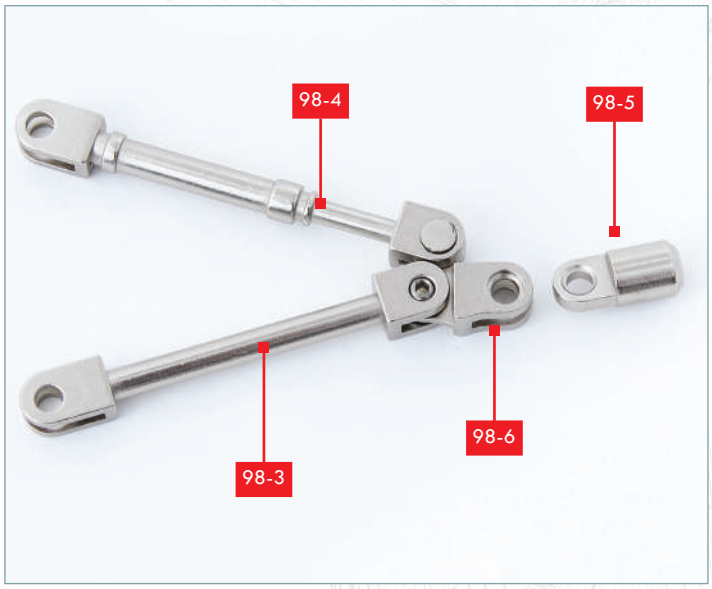
STEP 4

Take foot part **98-4** and fit the flanges around the hole in part **98-6** that is adjacent to the hole where part **98-3** is fitted. Note that it is the shorter flanges of part **98-4** that are attached.



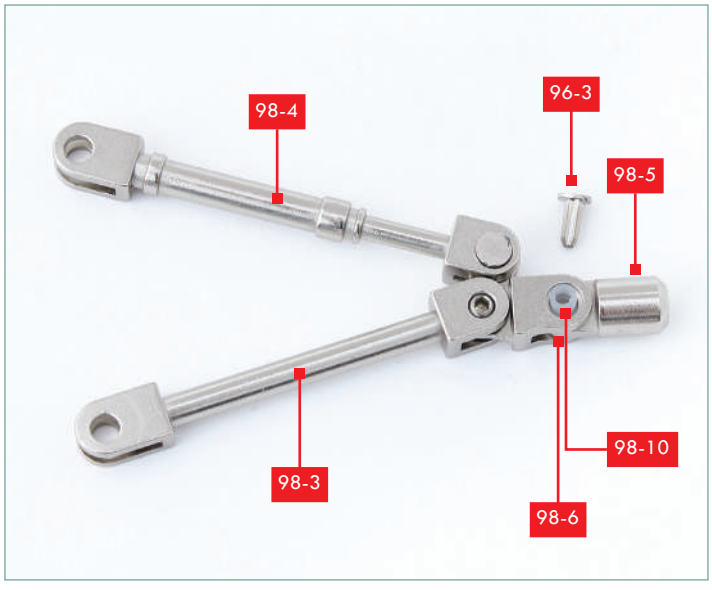
STEP 5

Fit a plastic sleeve **98-10** through the holes to hold part **98-4** in place. Cut a pin from frame **96-3** and push it firmly into the plastic sleeve. Place the joint on a flat surface so that you do not push the sleeve out as you push the pin in.



STEP 6

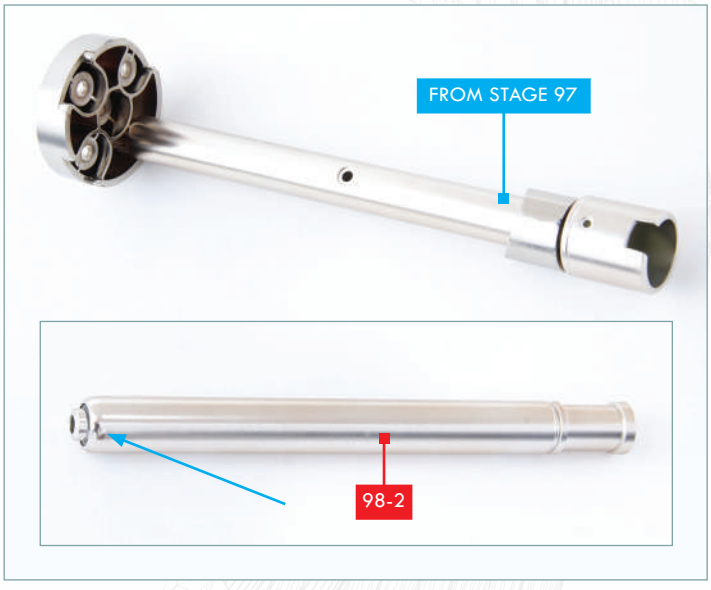
Take the toe **98-5** and fit the tab between the flanges on part **98-6** so that the holes are aligned.



STEP 7

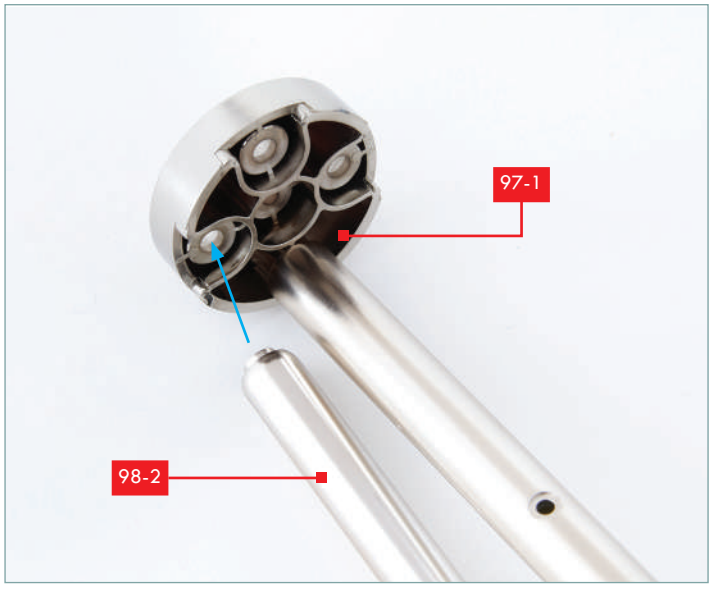
Fit a plastic sleeve **98-10** through the holes in the toe **98-5** and foot joint **98-6**. Cut a pin from frame **96-3** and push it firmly into the plastic sleeve.

Note that this foot part is not splayed – the parts **98-3** and **98-4** are aligned with each other.



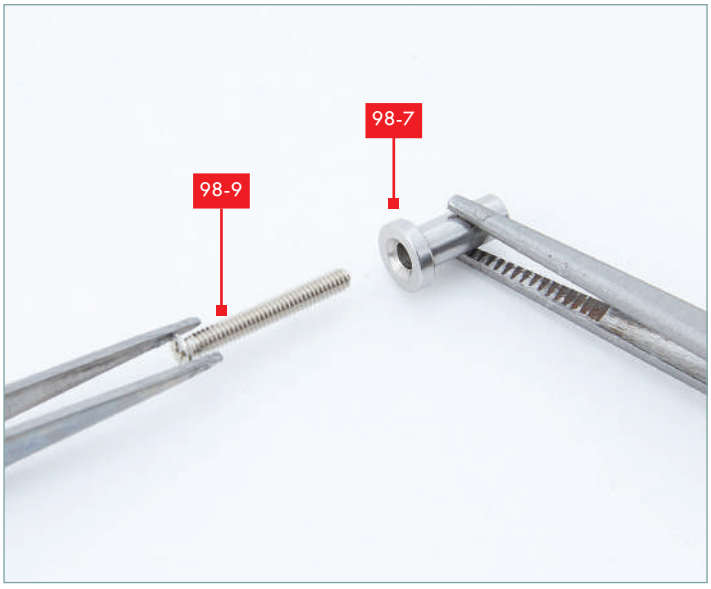
STEP 8

Take the lower leg assembly from stage 97 and the lower leg part **98-2**. Note that one end of the leg part has a raised stud shape (arrow).



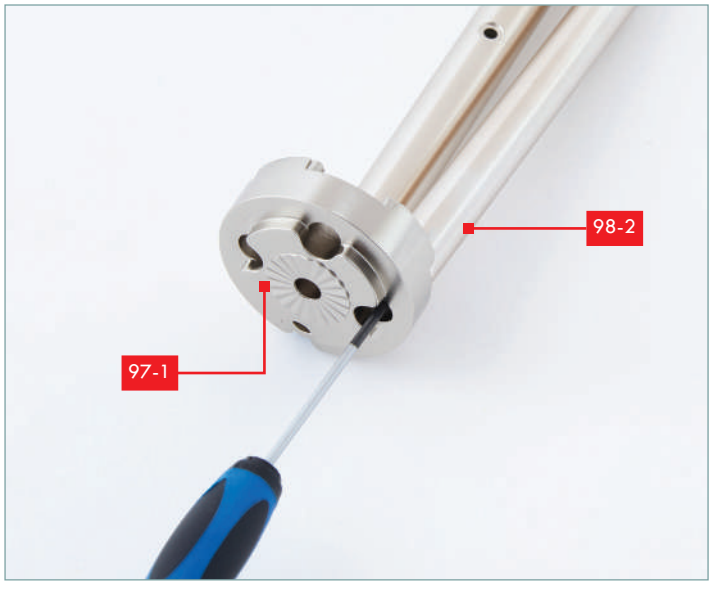
STEP 9

Fit the stud on the end of part **98-2** against the socket at the side of part **97-1**, as indicated.



STEP 10

Fit a KM 2x16 mm screw (**98-9**) into the screw housing **98-7**.



STEP 11

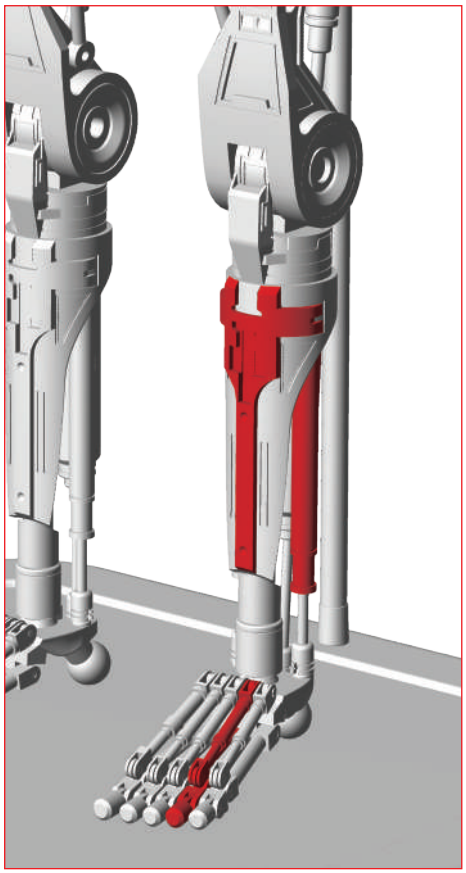
Turn the lower leg assembly so that you can access the top of part **97-1**. Fix part **98-2** in place by fitting the screw and screw housing into the appropriate screw hole and tightening the screw with a cross-head screwdriver.

STAGE COMPLETE!

Another part has been fitted to the lower leg assembly. The third toe and foot parts have been assembled. The part **98-1** will be used in a future stage.

STAGE 99: BUILD A FOURTH FOOT PART AND ASSEMBLE THE LOWER LEFT LEG.

Construct an element of the foot, continue the lower leg assembly, and unite the leg casing with the shin.

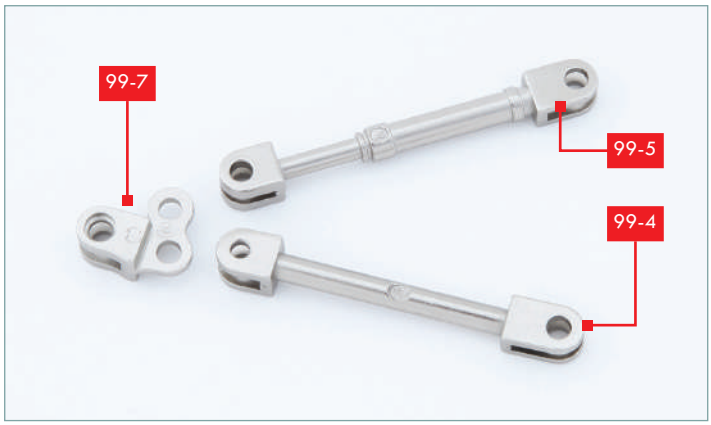


YOU WILL ALSO NEED

Joint pins from frame 96-3 (supplied with stage 96), lower leg assembly from stage 98, lower leg casing from stage 98, a fine cross-head screwdriver, sharp craft knife and cutting mat, Allen key (supplied with stage 26), superglue and a cocktail stick.

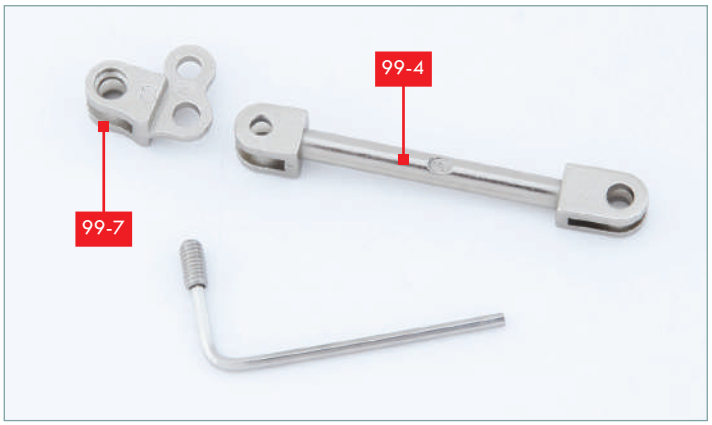
LIST OF PIECES

99-1	Left shin piece	99-7	Foot joint
99-2	Lower leg part	99-8	3x Plastic sleeves (1 spare)
99-3	Trims for shin piece	99-9	2x Grub screws (4x8 mm) (1 spare)
99-4	Foot part (marked 4)	99-10	Socket for screw
99-5	Foot part (marked 4)	99-11	2x KM screws (2x16 mm) (1 spare)
99-6	Toe	99-12	2x PM screws (3x8 mm) (1spare)



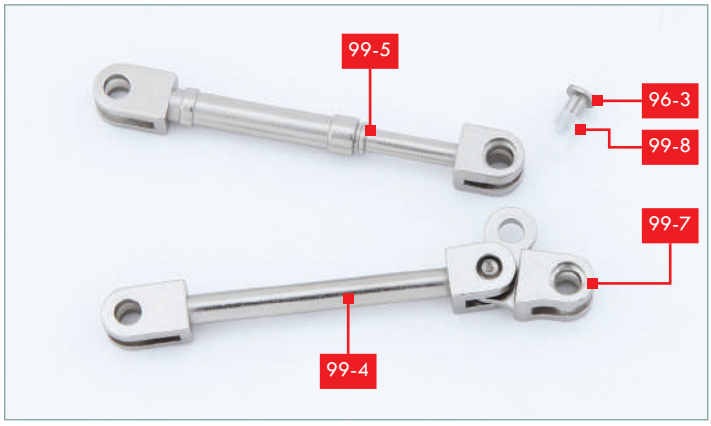
STEP 1

Examine the foot parts **99-4, 99-5** and **99-7**. Note that they are all marked with numbers. When assembling the foot parts in the following steps, align the parts carefully as shown.



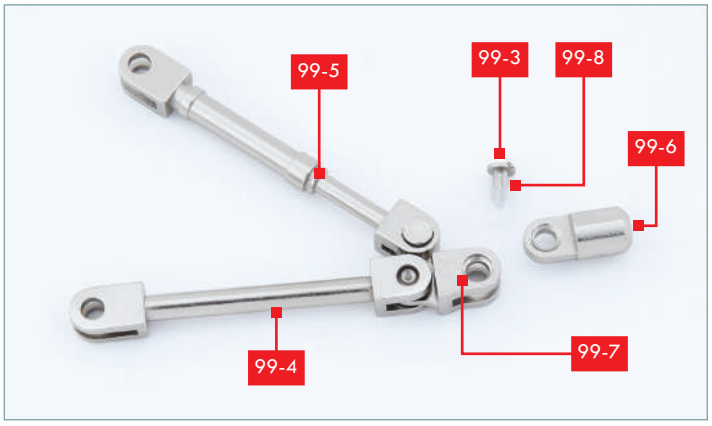
STEP 2

Fit the flanges at the end of part **99-4** around the central hole in part **99-7**. Note that it is the shorter flanges on part **99-4** that are fitted and that the number is facing upwards. Fix the parts together using a 4x8mm grub screw and the Allen key supplied with stage 26.



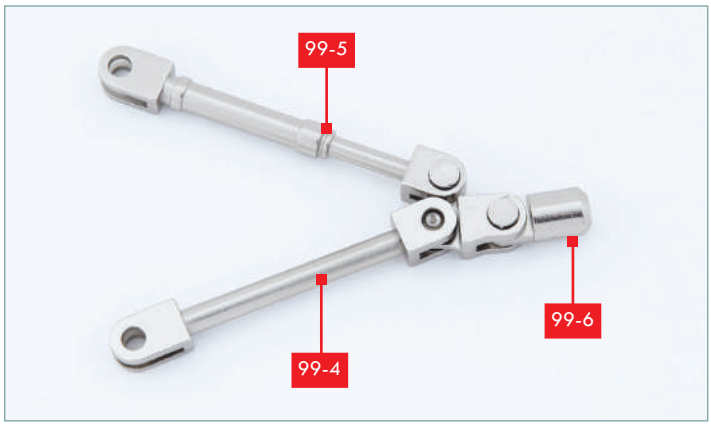
STEP 3

Turn the parts over so that you cannot see the numbers. Fit the shorter flanges on part **99-5** over the hole in the foot joint **99-7**. Use a plastic sleeve **99-8** and pin **96-3** to fix the parts together. The head of the plastic pin fits flush in the recess in part **99-5**.



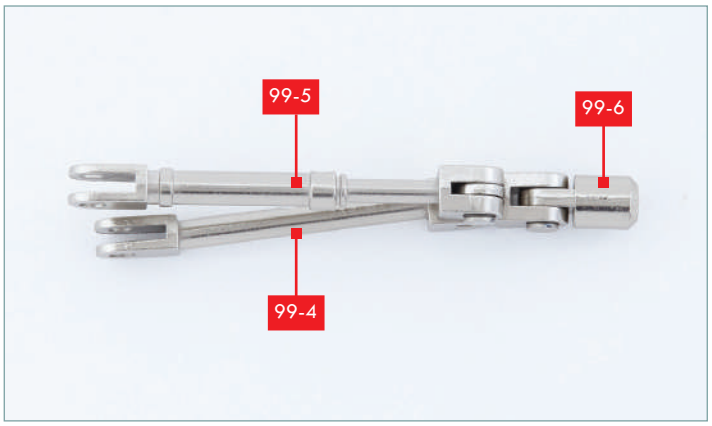
STEP 4

Take toe part **99-6** and fit it between the flanges of part **99-7**. Fix the parts together with a pin **96-3** and plastic sleeve **99-8**. The head of the pin fits into the recess in part **99-7**.



STEP 5

This shows the foot parts fitted together.

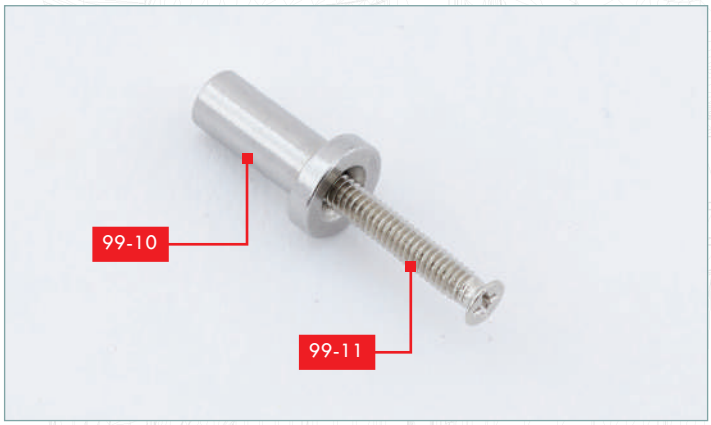


STEP 6

When viewed from above, note the way the end of part **99-4** is splayed to one side.

STEP 7

Take the lower leg assembly from stage 98. Fit the rounded end of part **99-2** against the socket in part **97-1**, as indicated.



STEP 8

Fit a KM 2x16 mm screw (**99-11**) into the screw socket **99-10**.

STEP 9

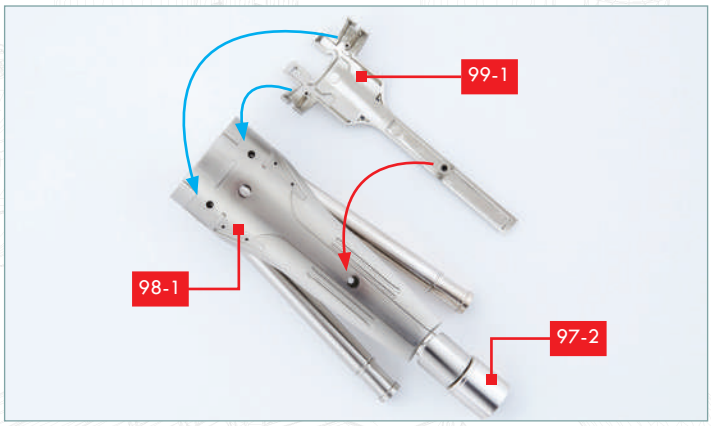
Fit the screw and socket from step 8 into the hole in part **97-1** and into the end of leg part **99-2**. Fix the parts together by tightening the screw.

STEP 10

Take the leg casing **98-1**, from the previous stage, and check the fit over the assembly from step 9 (see next step). Note that there is a tab on part **98-1** (arrow), which fits into a recess in part **97-1**.

STEP 11

This shows the leg casing in place over the lower leg assembly.

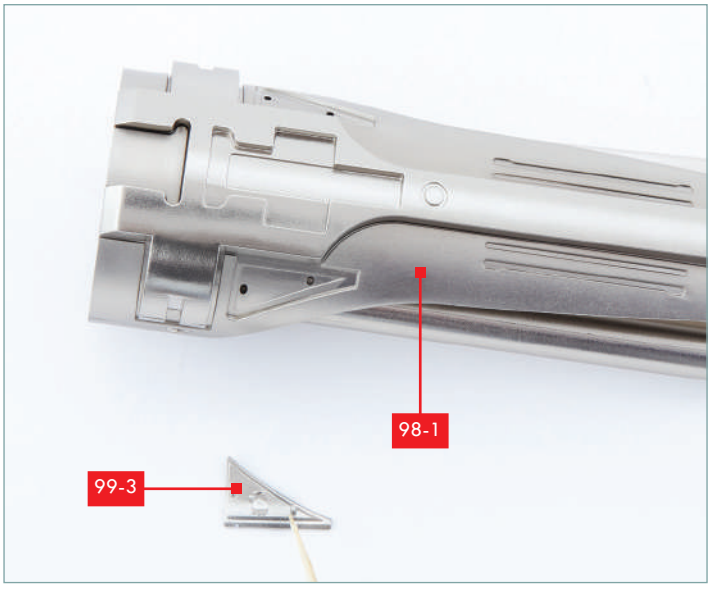


STEP 12

Take the shin piece **99-1**. Check the fit on the leg casing **98-1**: three pegs on the inside of part **99-1** fit into holes in the leg casing **98-1**, as indicated. The lower peg (red arrow) fits through the casing into a hole in lower leg part **97-2**.

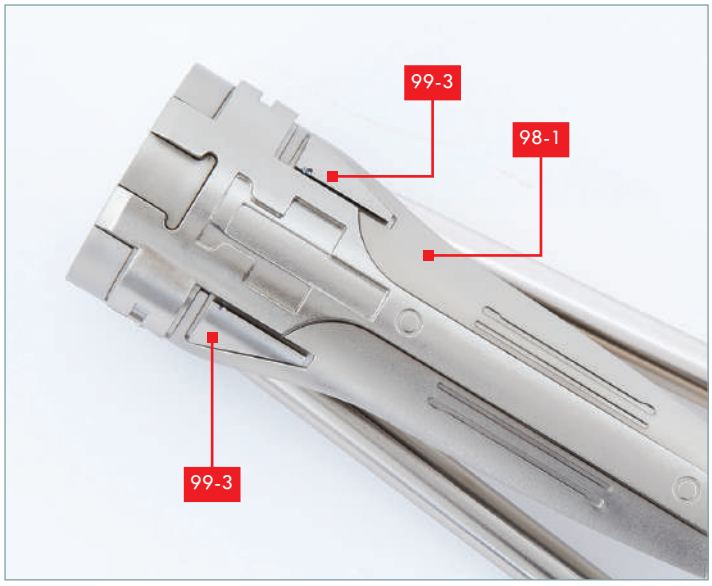
STEP 13

Fix the lower leg parts together using a PM 3x8 mm screw (**99-12**), inserted from the back of part **97-2** into the screw socket/peg in part **99-1**.



STEP 14

Cut the triangular trims from frame **99-3**. Check the fit in the recesses of the leg casing **98-1**. Apply a little superglue to the pegs on the first part **99-3** and fix in place.



STEP 15

Repeat to fit the second part **99-3** in place on the leg casing **98-1**.

STAGE COMPLETE

The fourth foot part has been assembled and work continues on the lower leg assembly.

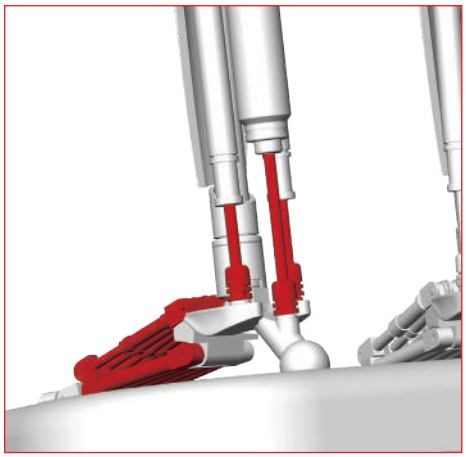
STAGE 100: ASSEMBLE THE LEFT FOOT AND ATTACH THE LOWER LEFT LEG

Combine the five toes of the foot with the heel, construct the final portion of the lower left leg, and attach it at the knee.

YOU WILL ALSO NEED

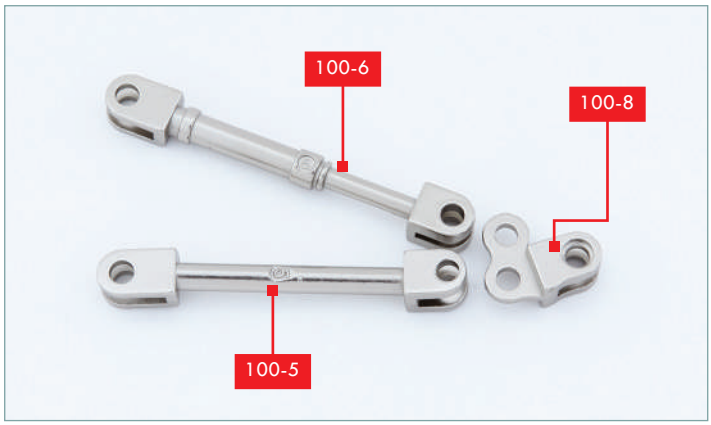
Model from stage 96, joint pins from frame 96-3 (supplied with stage 96), lower leg assembly from stage 99, heel assembly from stage 95.

Allen key (supplied with stage 26), a fine cross-head screwdriver, sharp craft knife and cutting mat.



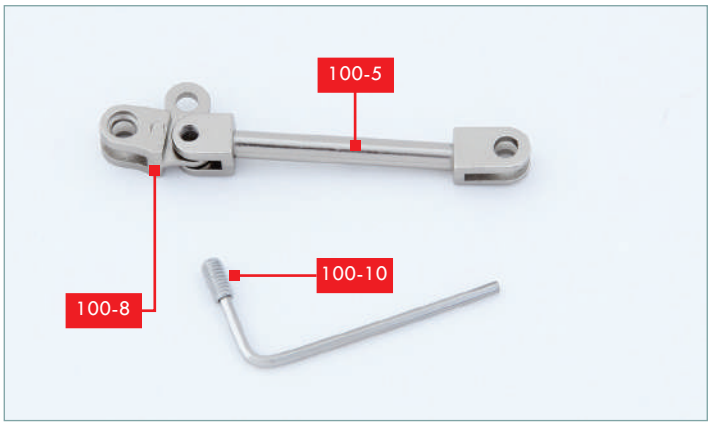
LIST OF PIECES

100-1	Cap for lower left leg part
100-2	Lower left leg part
100-3	Cap for lower left leg part
100-4	Lower left leg connectors
100-5	Foot part (marked 5)
100-6	Foot part (marked 5)
100-7	Toe
100-8	Foot joint
100-9	3x Long grub screws (1 spare)
100-10	2x Grub screws (4x8 mm) (1 spare)
100-11	3x Plastic sleeves (1 spare)
100-12	2x Rubber washers
100-13	Screw socket
100-14	3x PWM screws (2x5 mm) (1 spare)
100-15	2x KM screws (2x16 mm) (1 spare)
100-16	2x PM screws (3x12 mm) (1 spare)
100-17	2x Spring washers (1 spare)



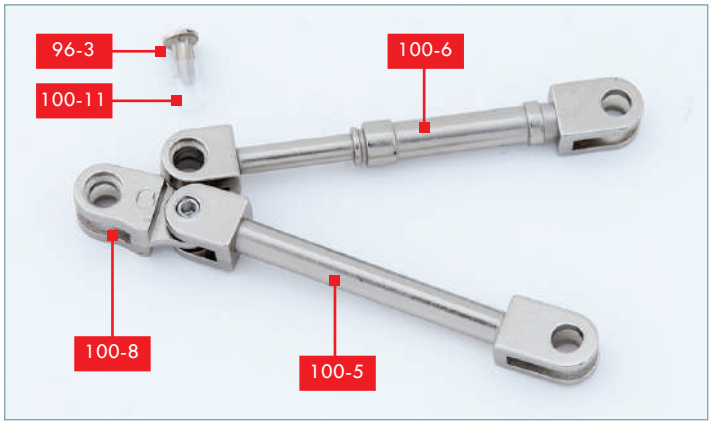
STEP 1

Examine the foot parts **100-5**, **100-6** and **100-8**. Note that they are all marked with numbers. When assembling the foot parts in the following steps, align the parts with the numbers facing away from you.



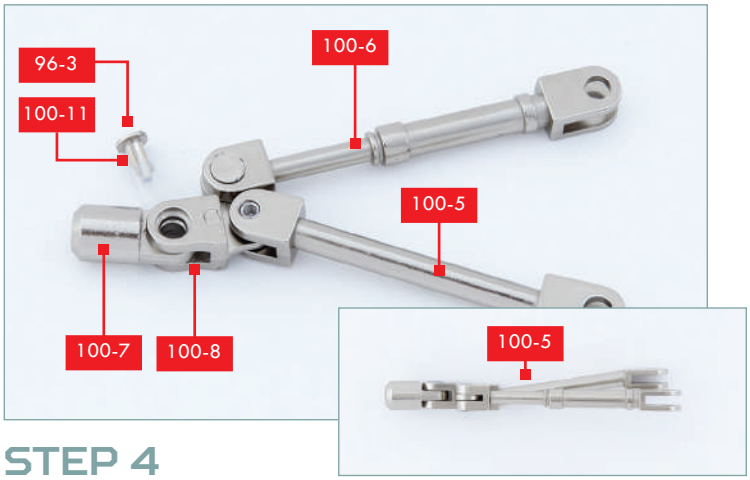
STEP 2

With the number facing downwards, fit the flanges on part **100-5** around the central hole in part **100-8**. Note that it is the shorter flanges that are fitted. Fix the parts together using a 4x8 mm grub screw (**100-10**) and the Allen key supplied with stage 26.



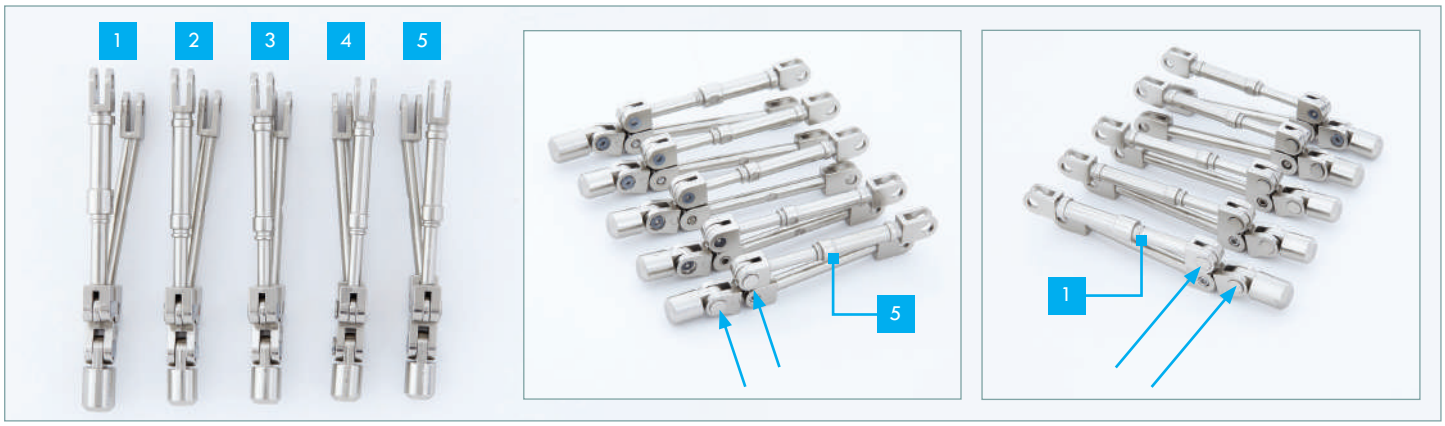
STEP 3

Fit the shorter flanges on part **100-6** over the hole in the foot joint **100-8**. Use a plastic sleeve **100-11** and pin **96-3** to fix the parts together. The head of the plastic pin fits flush in the recess in part **100-6**.



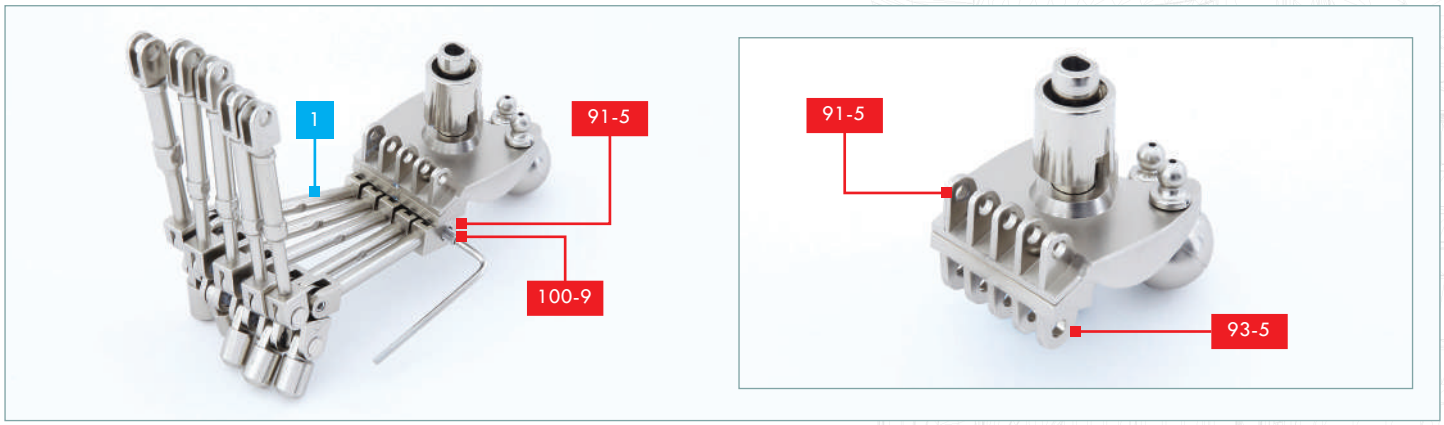
STEP 4

Take toe part **100-7** and fit it between the flanges of part **100-8**. Fix the parts together with a pin **96-3** and plastic sleeve **100-11**. The head of the pin fits into the recess in part **100-8**. When viewed from above, the foot part **100-5** is splayed (inset).



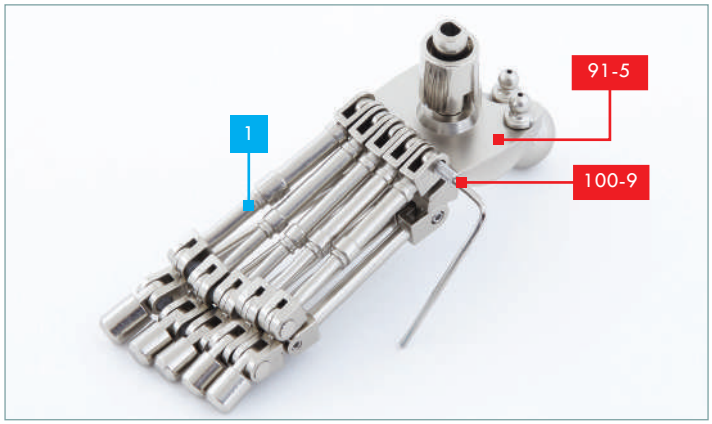
STEP 5

Before fixing the foot parts together, check that they are correctly assembled. Arrange them in order, according to the numbers on the main parts of each foot (main image). Viewed from above, the lower bars of each foot part assembly splay towards the centre of the arrangement. When viewed from the side, the outer foot parts are finished with flush pin heads (arrows, insets).



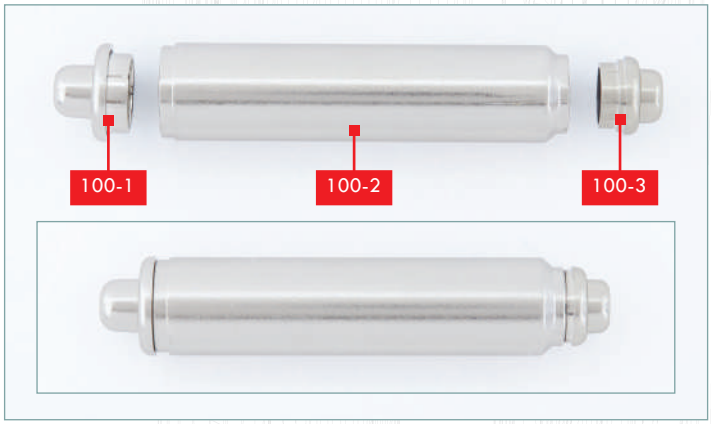
STEP 6

Take the heel assembly from stage 95. Position it so that you can access the racks of holes on parts **91-5** and **93-5** (inset). Fit the flanges at the ends of the lower bars of the five foot assemblies around the holes in the rack on part **93-5**. Fit a long grub screw **100-9** through the row of holes. The grub screw engages with a screw thread on the interior of the fixing point of foot assembly 1. When you are happy with the fit, screw in place, using the Allen key supplied with stage 26.



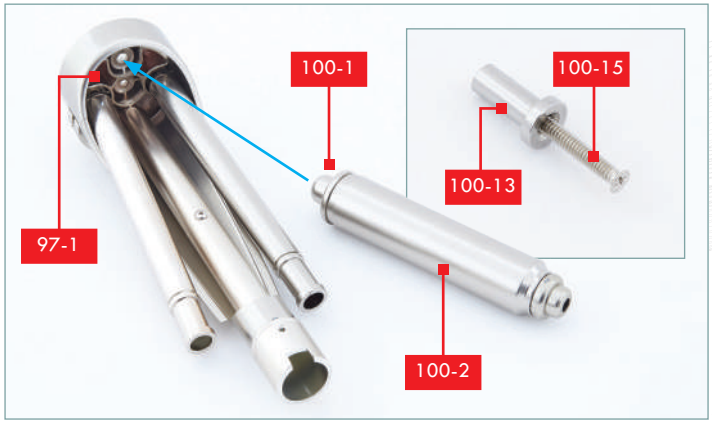
STEP 7

Position the flanges on the upper bars of the foot part around the holes in the rack of part **91-5**, as shown. Fit a long grub screw **100-9** through the row of holes. Again, the grub screw engages with a screw thread on the interior of the fixing point of foot assembly 1. When you are happy with the fit, screw in place using the Allen key.



STEP 8

Take the leg part **100-2** and the two leg part caps **100-1** and **100-3**. Check the fit of the caps. Fit them in place (inset). No glue is needed.

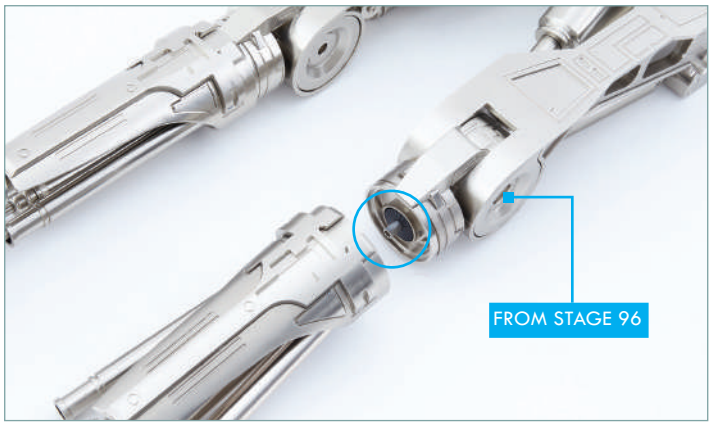


STEP 9

Fit the end of part **100-2** that is fitted with the cap **100-1** against the remaining hole in part **97-1**, as indicated. Take the screw socket **100-13** and fit a KM 2x16 mm screw (**100-15**) into it (inset).

STEP 10

Fit the screw socket into the final hole in the top of part **97-1** and into the top of leg part **100-2**. Tighten the screw to fix the parts together. Note that the leg parts are not rigidly fixed, they are designed to move around slightly.

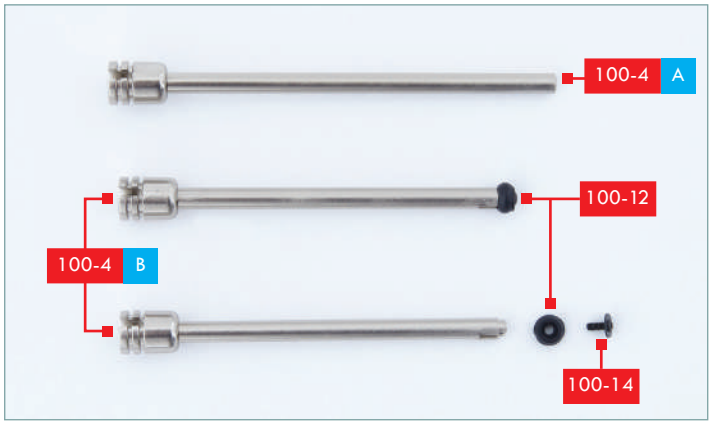


STEP 11

Take the model from stage 96 and identify the shaft in the centre of the knee (circled).

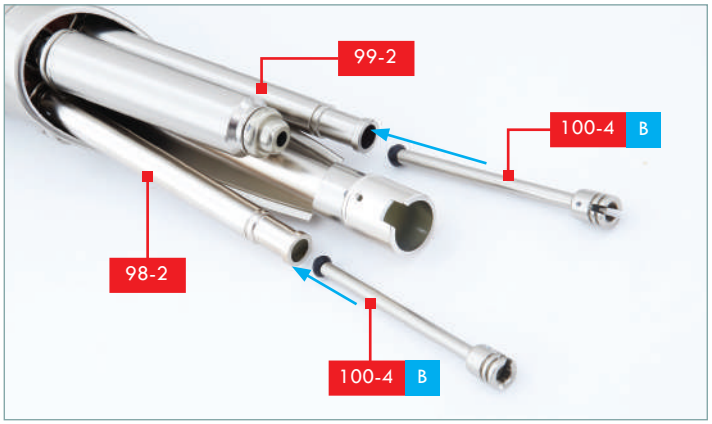
STEP 12

Turn the model on its face ready to fit the lower part of the left leg. Fit a spring washer **100-17** onto a PM 3x12 mm screw (**100-16**) (inset). Working from inside the lower leg, insert the PM screw into the central shaft of the knee. Tighten the screw to fix the lower leg in place.



STEP 13

Cut parts **A** and **B** from frame **100-4**. Use a PWM 2x5 mm screw (**100-14**) to fit a rubber washer **100-12** over the ends of the two parts **100-4-B.** Note the larger recess in the rubber washer fits over the end of part **100-4-B**. Do not over-tighten the screws.

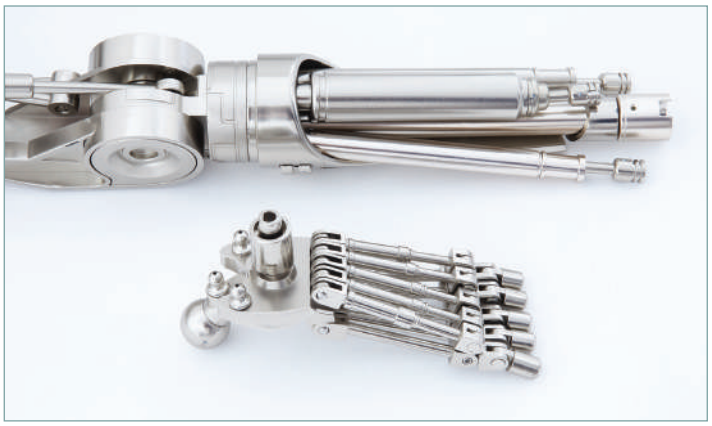


STEP 14

Fit the two parts **100-4-B** into the ends of lower left leg parts **99-2** and **98-2,** inserting the ends with rubber washers, as indicated.

STEP 15

Fit part **100-4-A** through the cap and in to the lower leg part **100-2,** as shown.

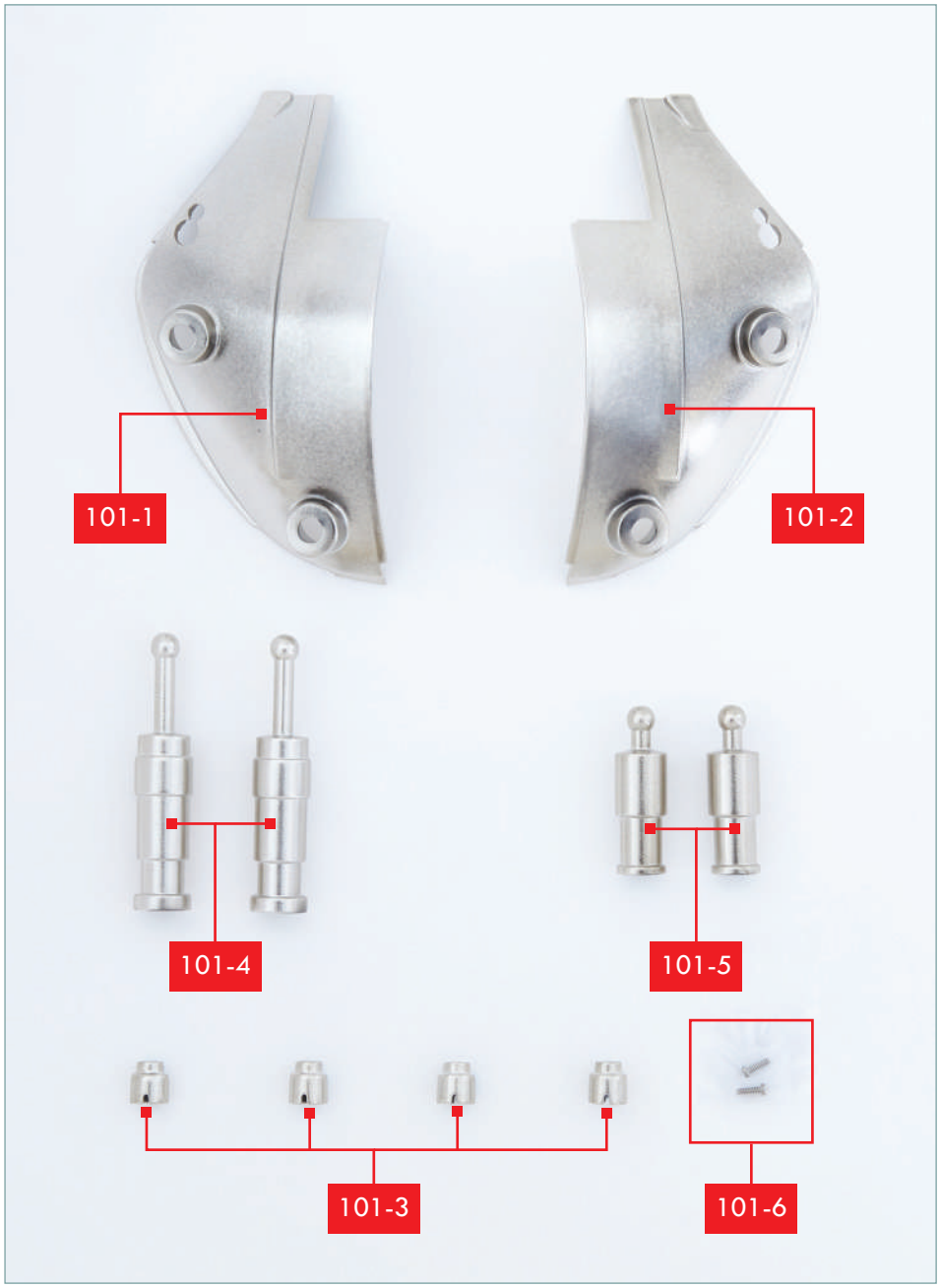


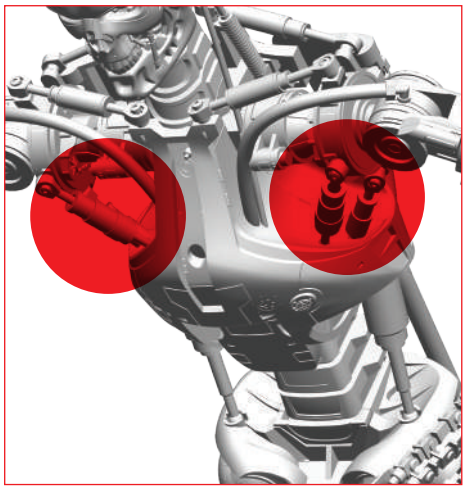
STAGE COMPLETE!

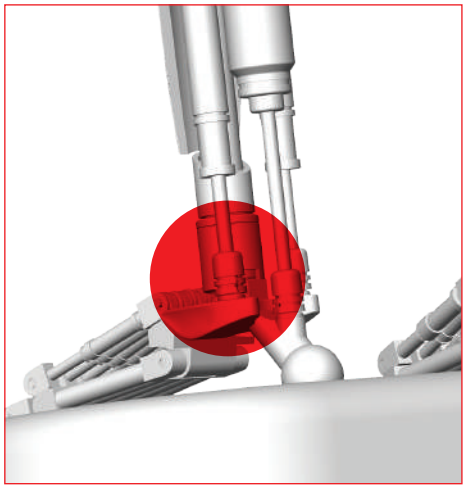
The left foot has been assembled and the lower left leg has been fitted to the model.

STAGE 101: ATTACH THE LEFT FOOT, AND BEGIN CONSTRUCTION ON THE CHEST

Complete the left leg at the ankle, and begin the chest plate assembly by placing the chest attachments into their sockets.





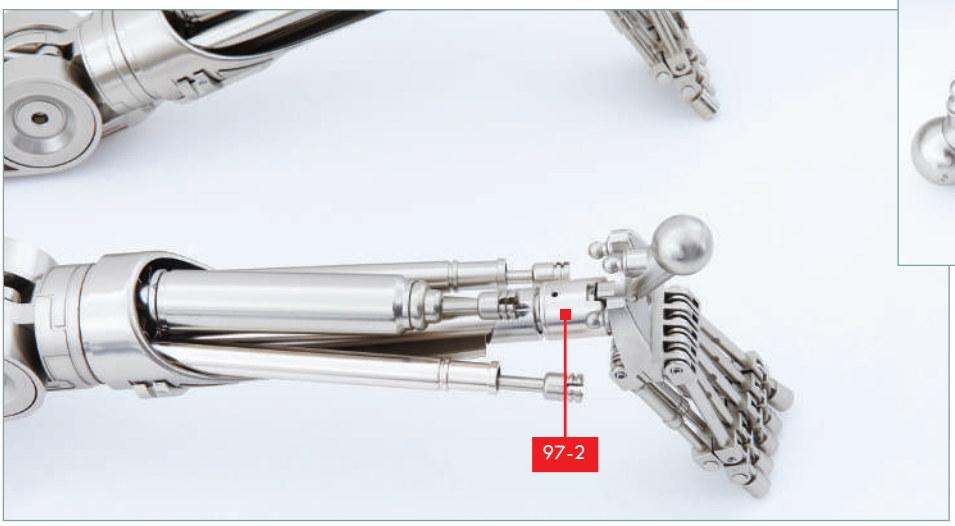


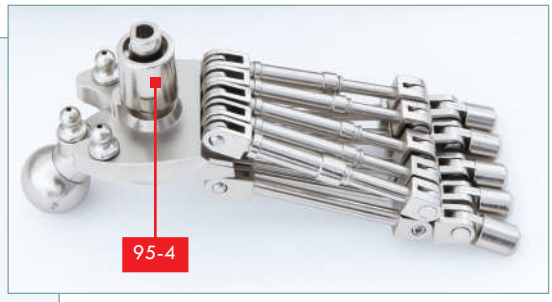
LIST OF PIECES

101-1	Right chest panel
101-2	Left chest panel
101-3	4x Sockets
101-4	2x Chest attachments
101-5	2x Chest attachments
101-6	2x PB screws (1.7x6 mm) (1 spare)

YOU WILL ALSO NEED

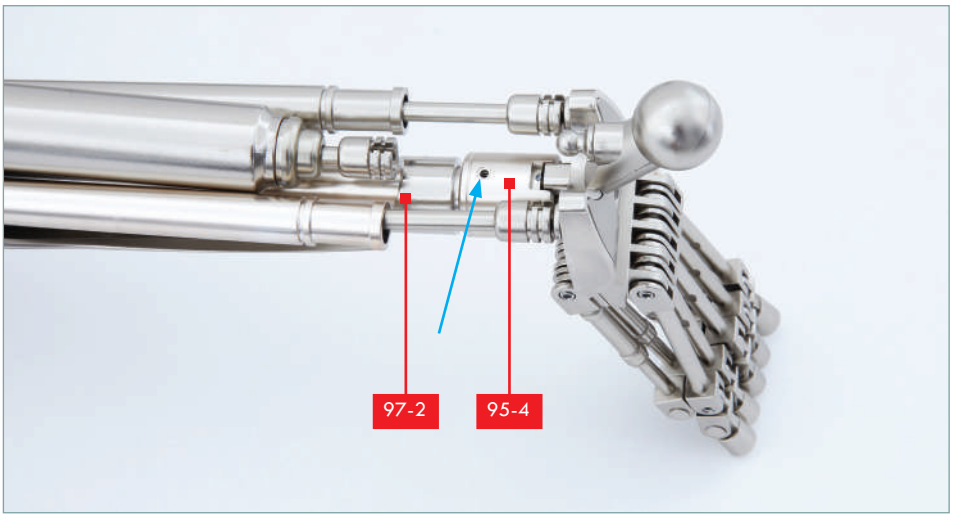
Model assembly and foot from stage 100, a fine cross-head screwdriver, superglue and a cocktail stick.





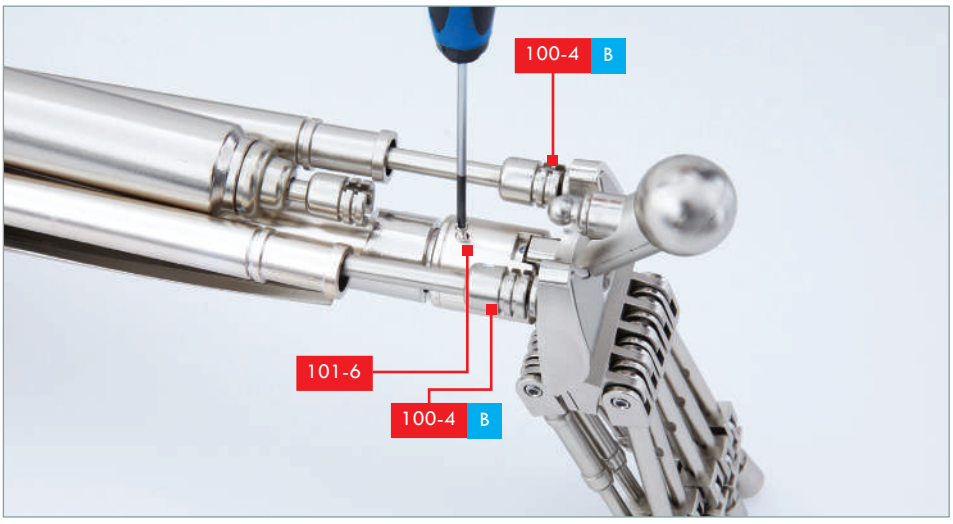
STEP 1

Take the model assembly from stage 100 and position it face down. Fit the front part of the lower leg **97-2** into the end of part **95-4**, in the middle of the foot (inset). If necessary, to ensure a good fit, gently reduce the size of part **95-4** using a fine file or sandpaper.



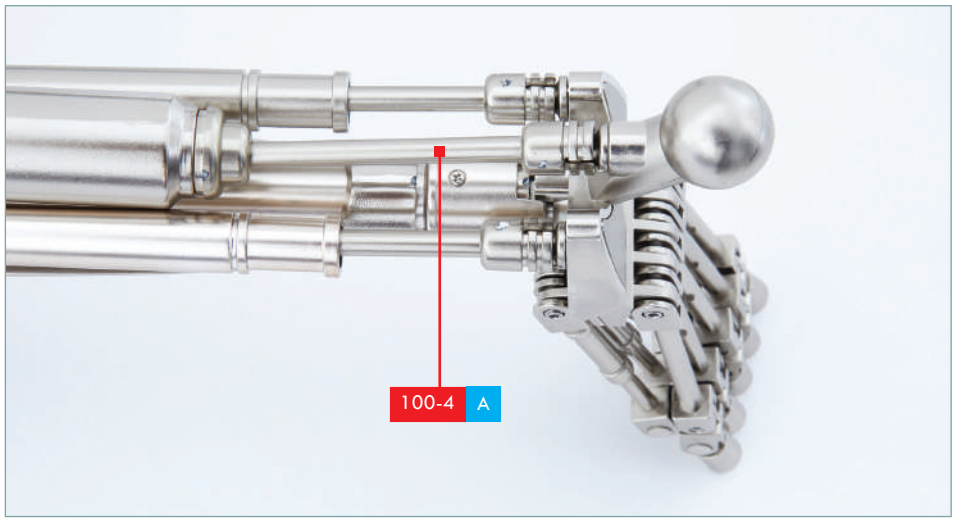
STEP 2

Identify the screw hole in part **95-4** (arrow) and check that it is aligned with the hole in part **97-2**.



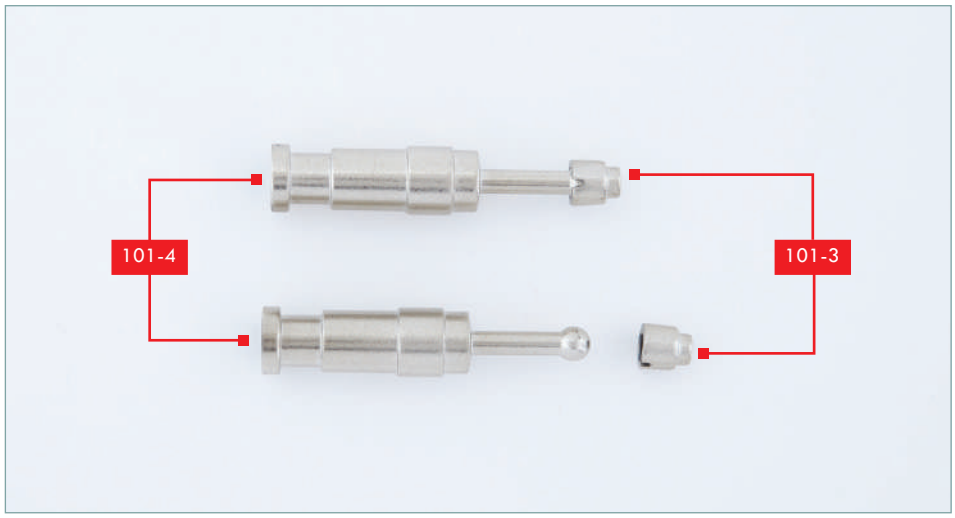
STEP 3

Fit the foot to the lower leg using a PB 1.7x6 mm screw (**101-6**) taking care not to over-tighten the screw. Fit the ends of parts **100-4-B** over the outer two balls around the rear of the foot. Push the sockets on the ends of parts **100-4-B** onto the balls until they click in position.



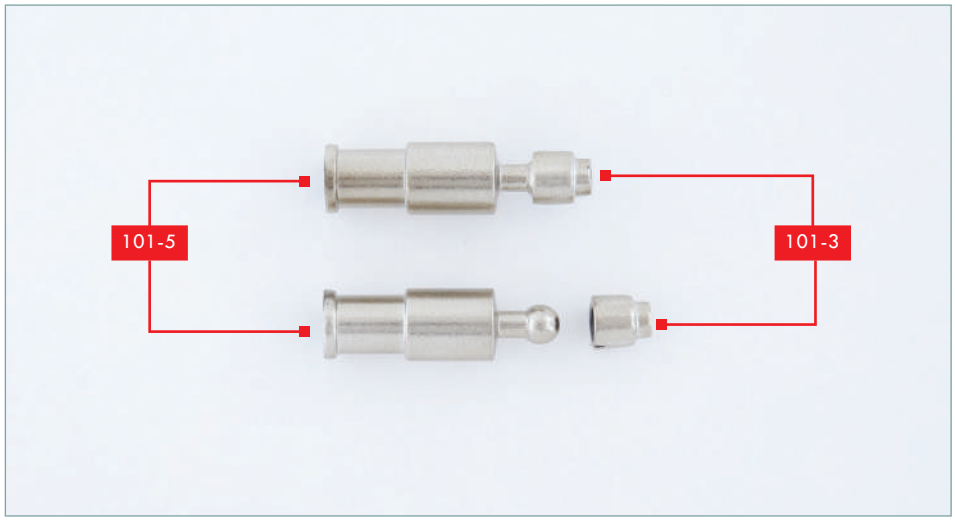
STEP 4

Push the socket on the end of part **100-4-A** onto the third ball, above the heel. It will click in place when correctly fitted.



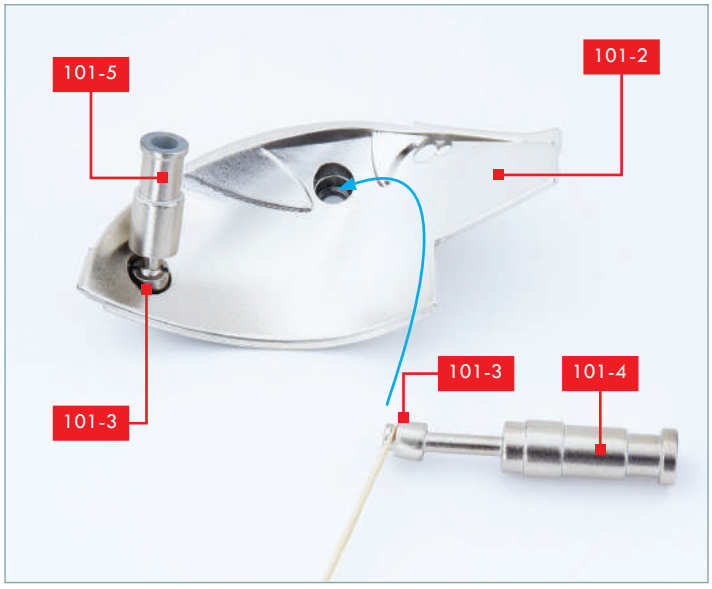
STEP 5

Take the two chest attachments **101-4** and two of the sockets **101-3**. Push the sockets on to the ball on the ends of parts **101-4** so that they click in place. Firm pressure is needed.



STEP 6

Take the two smaller chest attachments **101-5** and the remaining sockets **101-3**. Fit the sockets onto the balls, ensuring that they click in place. Again, firm pressure is needed.



STEP 7

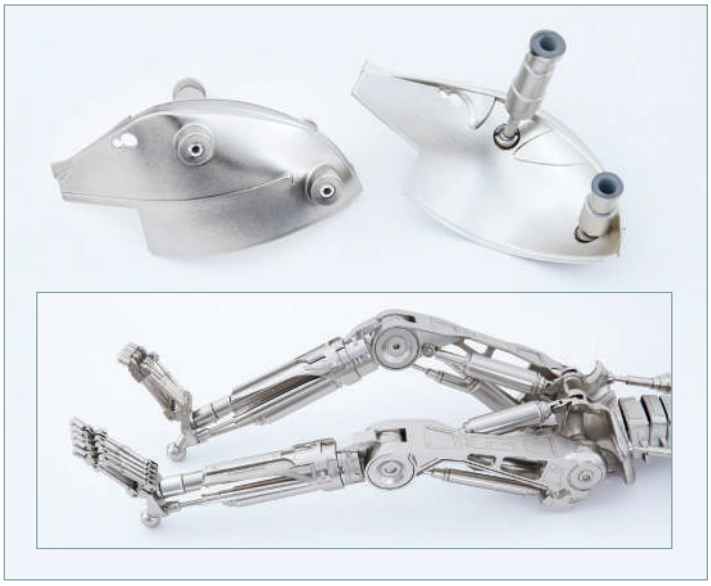
Use a cocktail stick to apply a little superglue to the rim of the socket **101-3** on the end of part **101-5**. Fix in place in the recess in the corner of part **101-2**, as shown. In preparation for the next step, apply adhesive to the socket **101-3** on the end of part **101-4**, as shown.

STEP 8

Fit the second socket **101-3** into the second recess in part **101-2**, as shown.

STEP 9

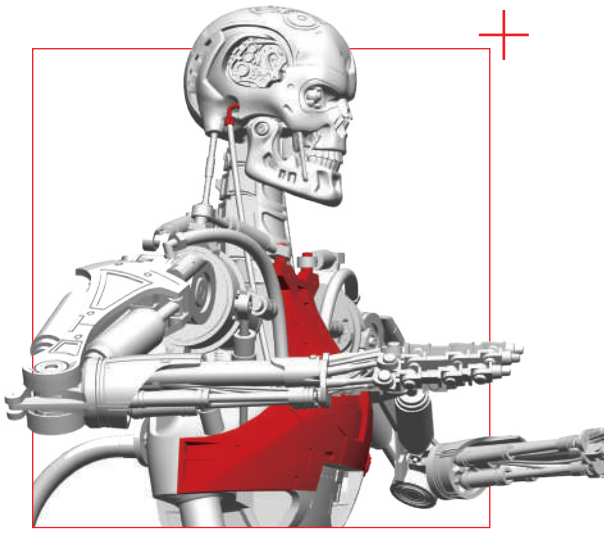
Repeat steps 7 and 8 to fit the remaining attachments into part **101-1**, as shown.



STAGE COMPLETE!

The left leg has been completed and work has started on the chest.

STAGE 102: DETAIL THE HEAD, AND ADD PANELS AND SPRINGS TO THE CHEST



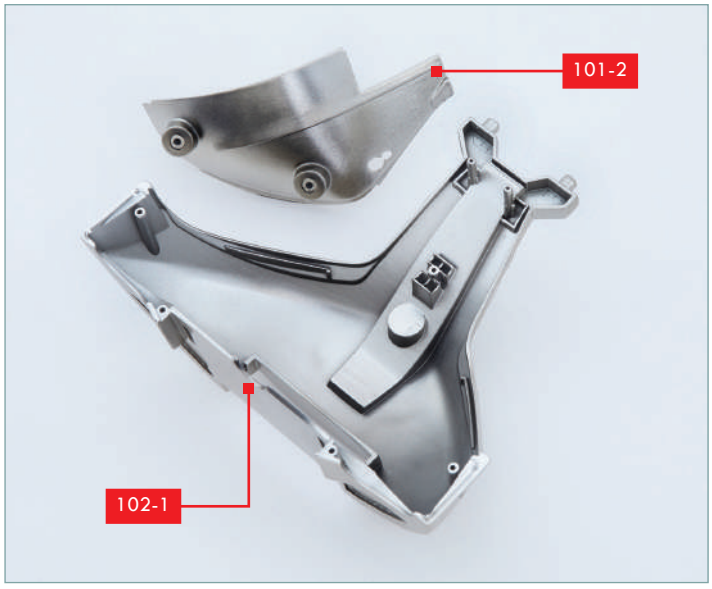
Thread springs through the chest casing, and connect it to the existing chest panel. Begin to finalise the head with extra details.

LIST OF PIECES

102-1	Chest casing	102-5	Larger diameter spring
102-2	Head detail	102-6	Smaller diameter spring
102-3	Head detail	102-7	2x PB screws (2x6 mm) (1 spare)
102-4	Large washer		

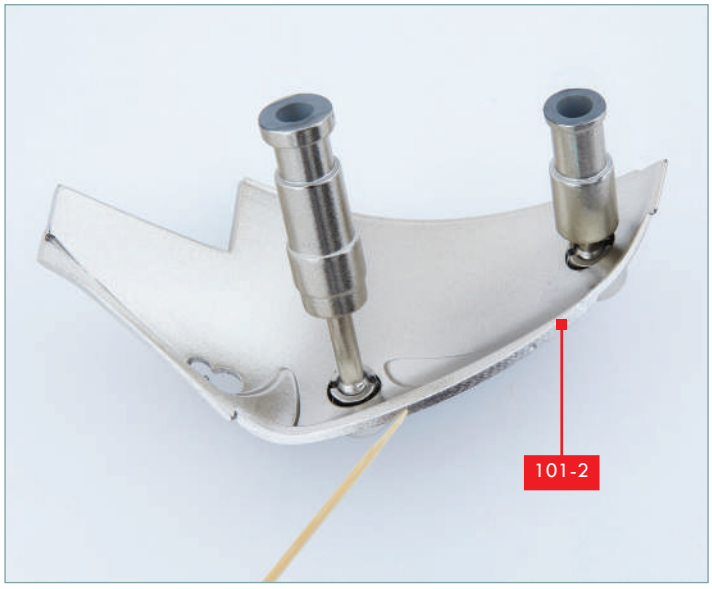
YOU WILL ALSO NEED

Model assembly from stage 101, Chest panels from stage 101, a fine cross-head screwdriver, superglue and a cocktail stick.



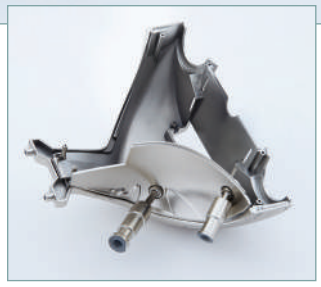
STEP 1

Take the panel **101-2**, with its attachments, from the previous stage. Check how the rim of part **101-2** fits against the shaped edge of the chest casing **102-1**. Ribs on part **102-1** create fine channels to hold the edge of part **101-2**. (See also step 3.)



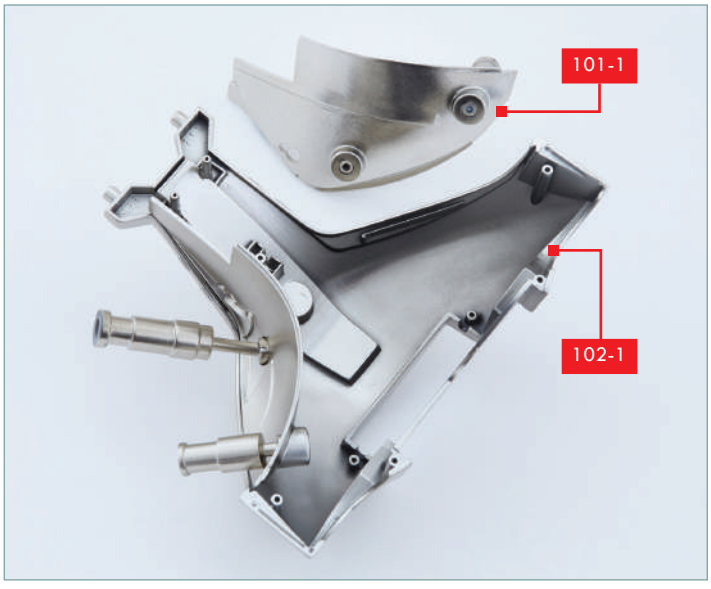
STEP 2

Once satisfied with the fit of the part, apply a little superglue along the rim of part **101-2** where it comes into contact with part **102-1**.



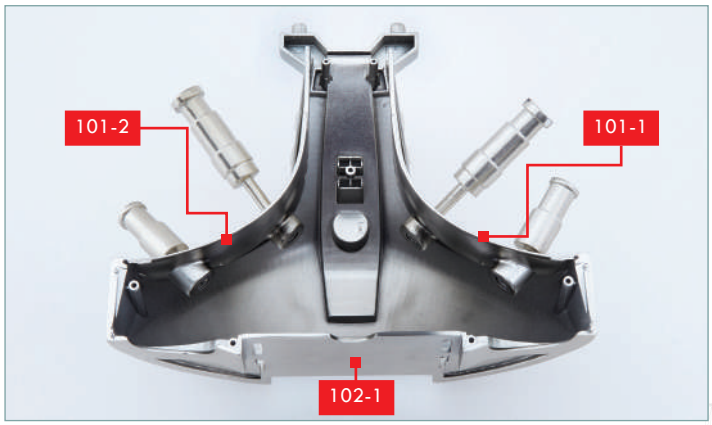
STEP 3

Glue part **101-2** in place to part **102-1**, as shown. The main photo shows the view from the inside of the chest casing. The inset (right) shows the view from the side.



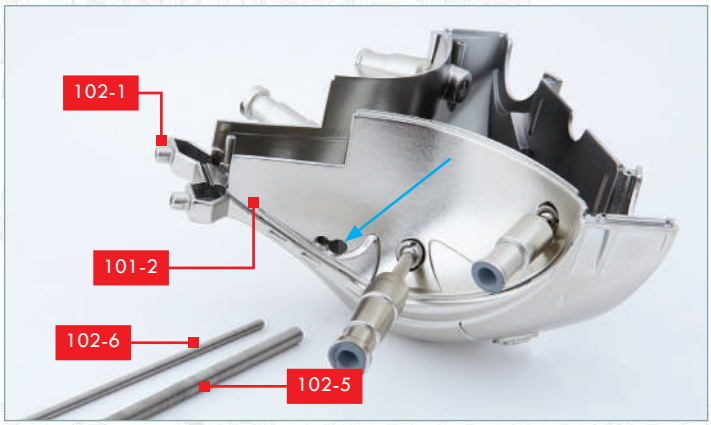
STEP 4

When the glue is dry, take the chest panel **101-1** from the previous stage. Check the fit against the shaped edge of the chest casing **102-1**.



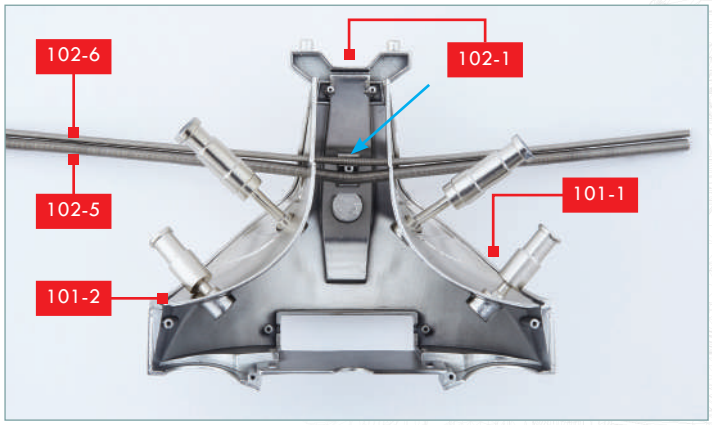
STEP 5

Apply glue to the rim of part **101-1** that fits against part **102-1** and glue in place, as shown.



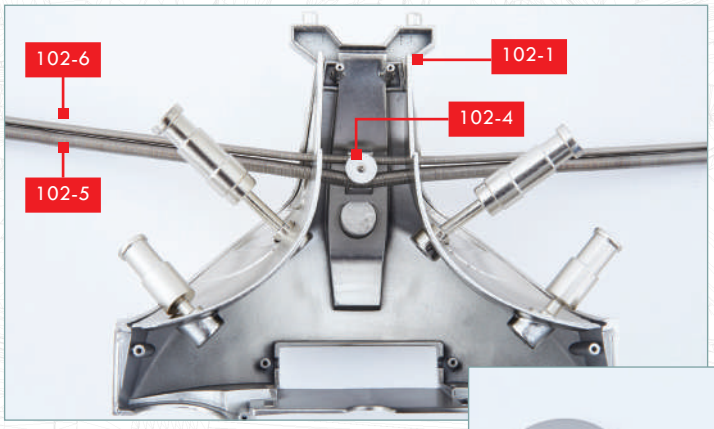
STEP 6

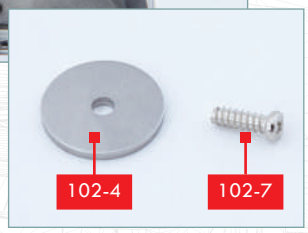
Identify the double hole in part **101-2** (arrow). Take the two springs **102-5** and **102-6.** These will be threaded through the holes.



STEP 7

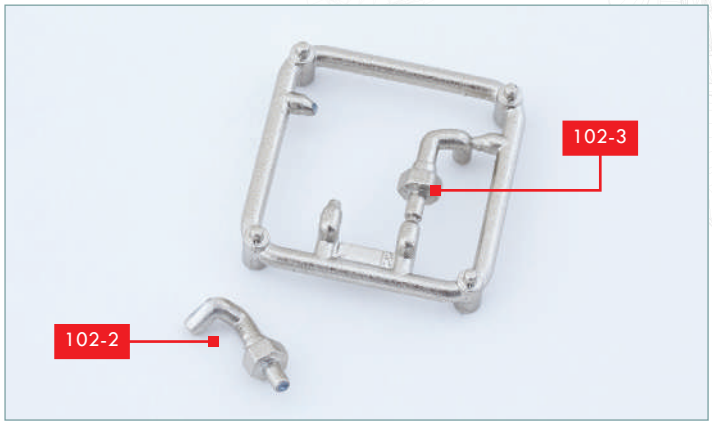
Thread the springs **102-5** and **102-6** through the holes in part **101-2,** across the inside of the chest casing **102-1** and out through the holes in part **101-1.** The centrepoint of each spring should be in the centre of part **102-1.** The springs are arranged on each side of the screw socket in part **102-1** (arrow).





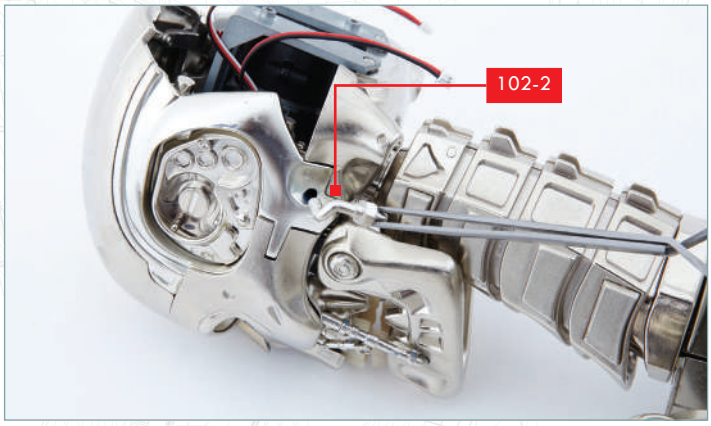
STEP 8

Fit a PB 2x6 mm screw (**102-7**) into the washer **102-4** (inset). Fit the screw into the screw socket in the back of the chest casing **102-1** and tighten the screw so that the washer **102-4** holds the springs **102-5** and **102-6** in place.



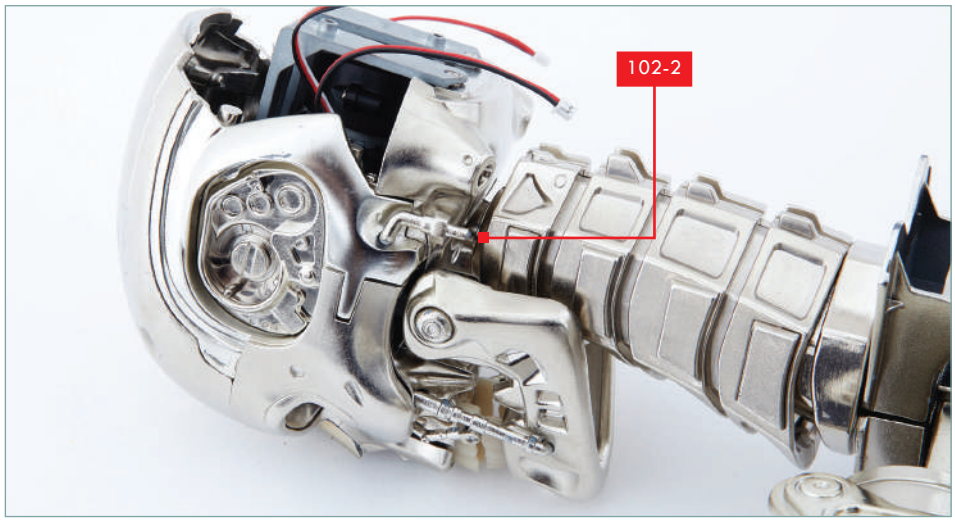
STEP 9

Cut part **102-2** from the frame.



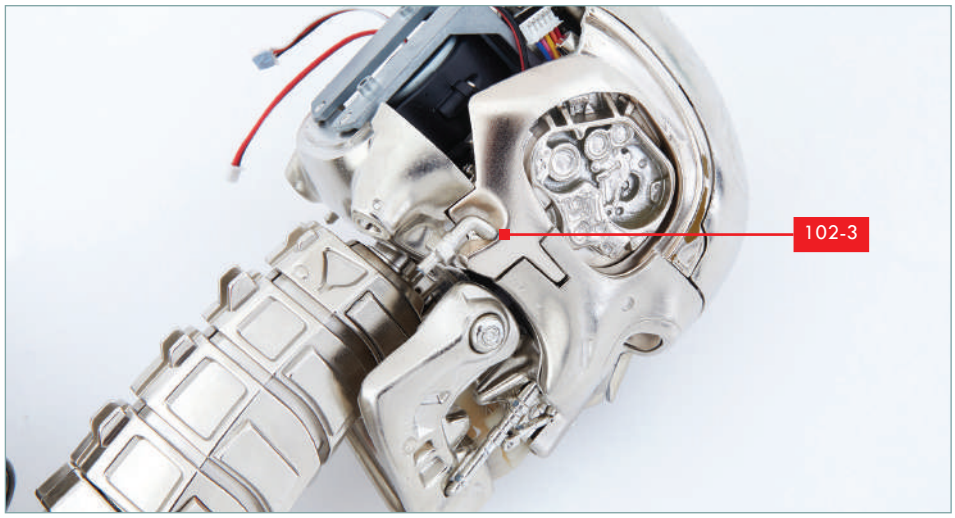
STEP 10

Take the model assembly from the previous stage and position it so that you can access the left side of the head. Identify the hole where part **102-2** fits and check the fit.



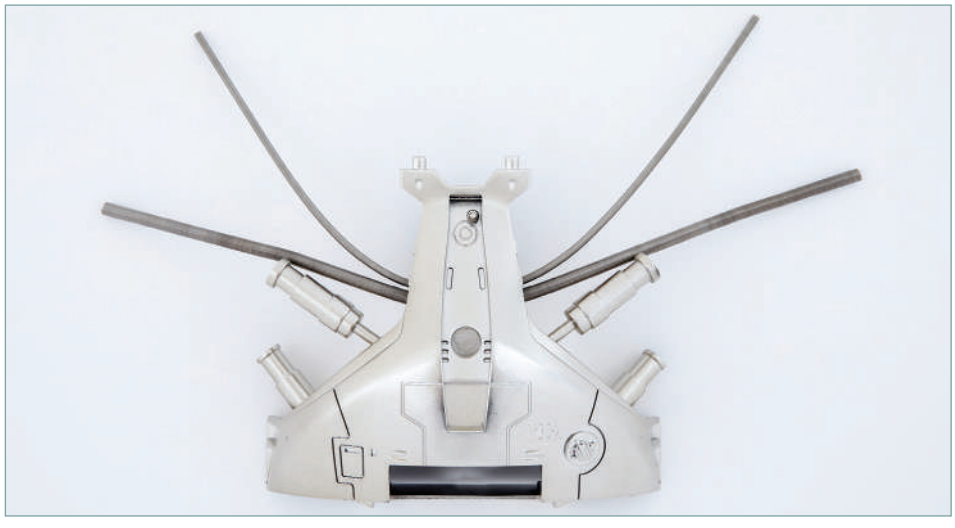
STEP 11

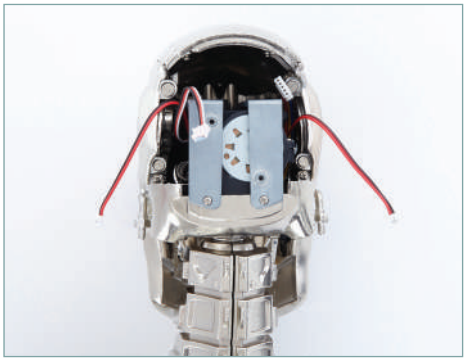
Apply a little superglue to the peg on the end of part **102-2** (above). Fix the peg in place on the side of the head.



STEP 12

Cut part **102-3** from the frame and repeat the previous steps to fit part **102-3** to the right-hand side of the head.

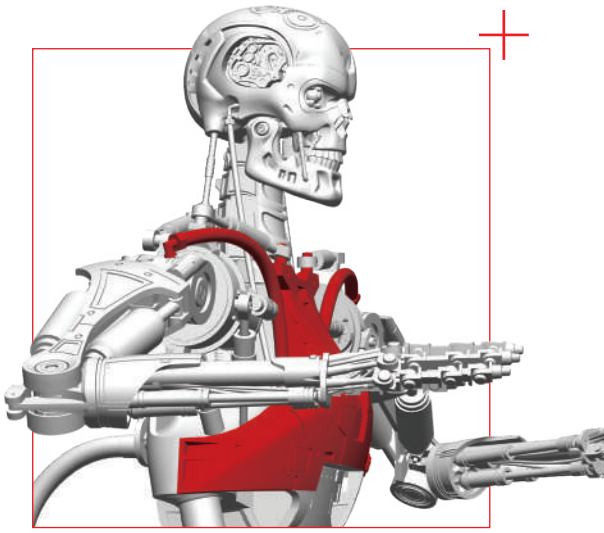




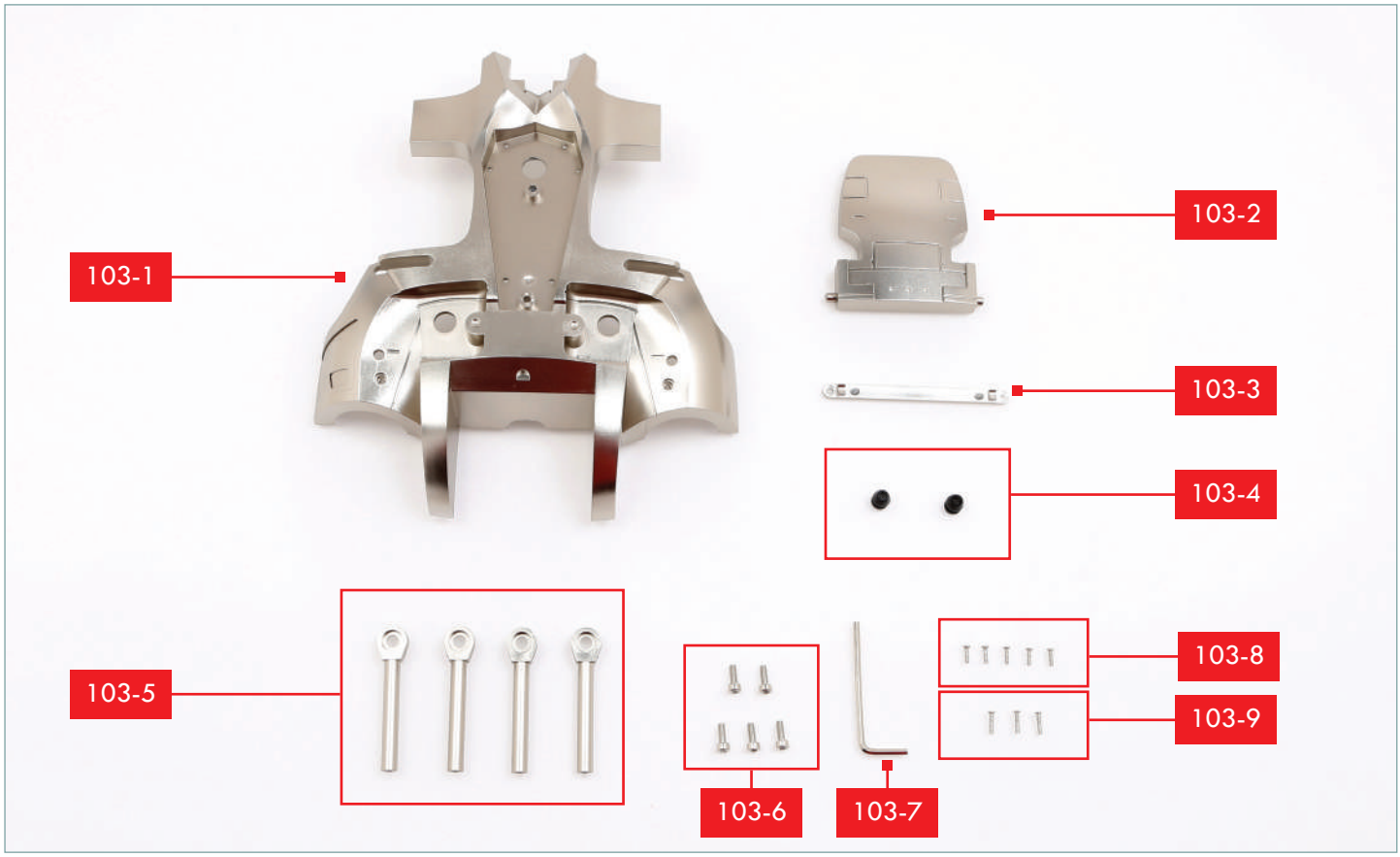
STAGE COMPLETE!

The chest panels and springs have been fitted to the chest and details have been added to the sides of the head.

STAGE 103: AFFIX THE CHEST ASSEMBLY AND ATTACH SPRING TUBE DETAILS



Use the chest attachments to fit the chest assembly, and connect spring tubes to the head and shoulders.

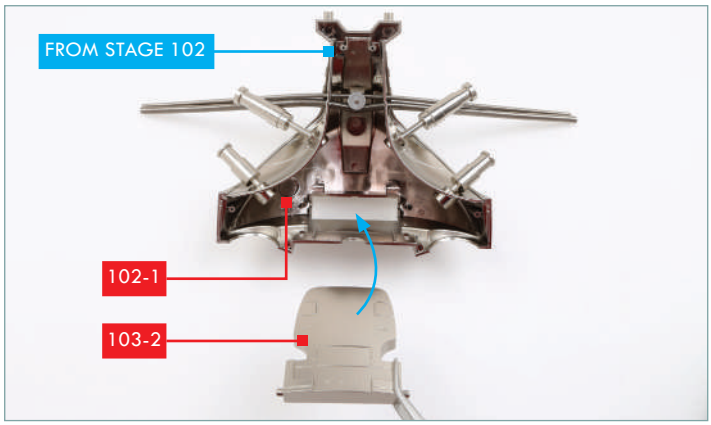


LIST OF PIECES

103-1	Back panel	103-6	5x Hex socket screws (3x8 mm (1 spare)
103-2	Chest detail	103-7	Allen key
103-3	Fixing strip	103-8	5x PB screws (2x6 mm) (1 spare)
103-4	2x Rubber sockets	103-9	3x PB screws (2x8 mm) (1 spare)
103-5	4x Shafts		

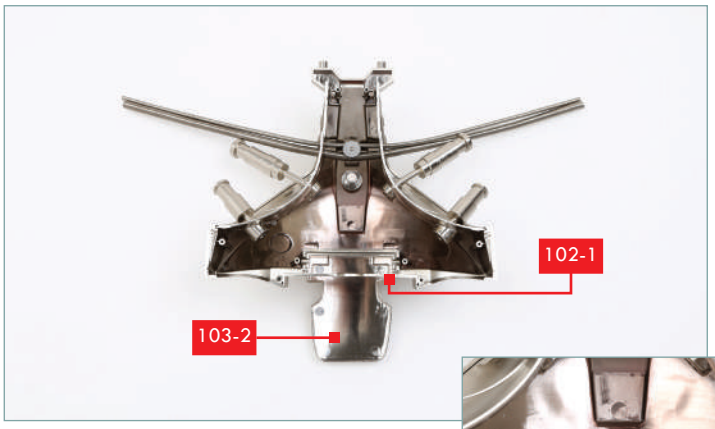
YOU WILL ALSO NEED

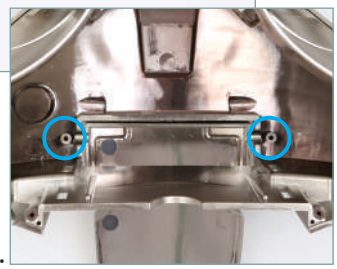
Model assembly from stage 102, a fine cross-head screwdriver, superglue and a cocktail stick.



STEP 1

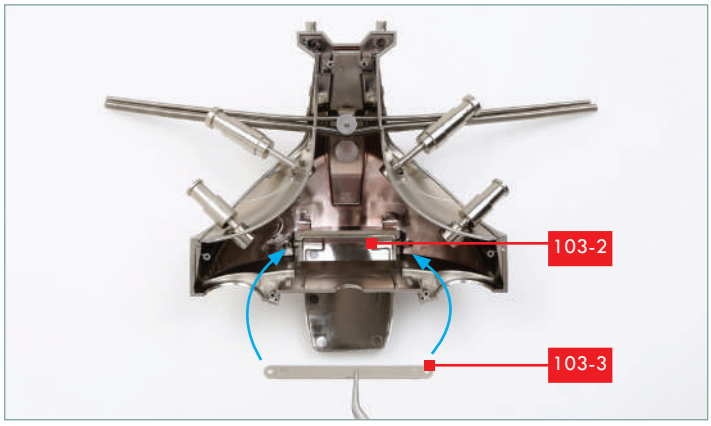
Take the chest assembly from the previous stage. Fit the narrower end of the chest detail **103-2** through the slot in the chest panel **102-1,** as indicated. Note which way up part **103-2** is inserted.





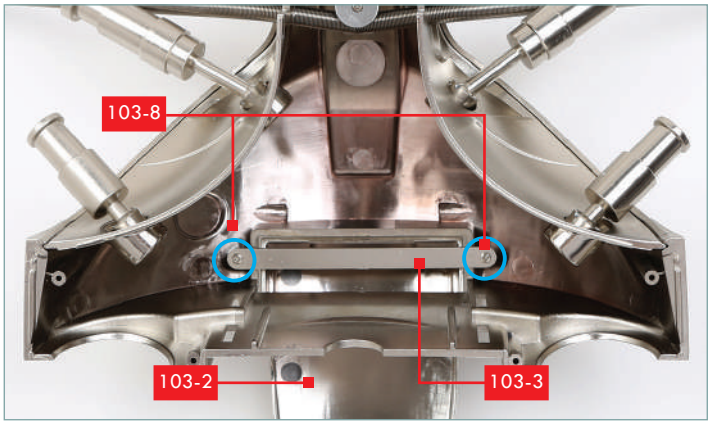
STEP 2

Slide part **103-2** through the slot and flap it downwards. The pegs on each side of the shaped end of part **103-2** fit into recesses at each end of the slot in part **102-1** (inset).



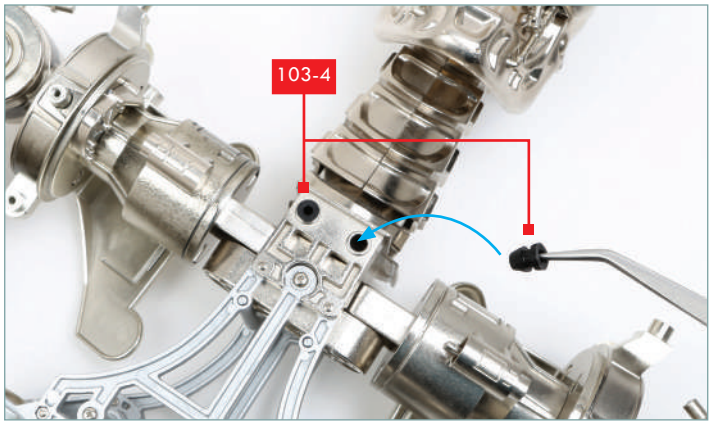
STEP 3

Fit the fixing strip **103-3** over the end of the detail **103-2,** so that the screw holes are aligned as indicated.



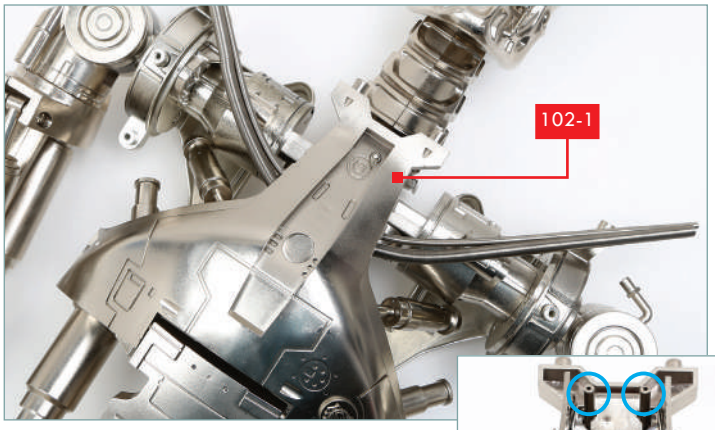
STEP 4

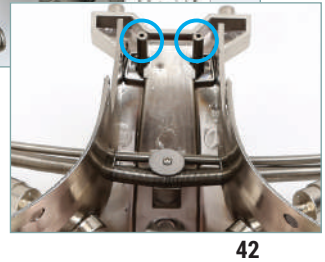
Fix the fixing strip **103-3** in place with two PB 2x6 mm screws (**103-8**) (circled).



STEP 5

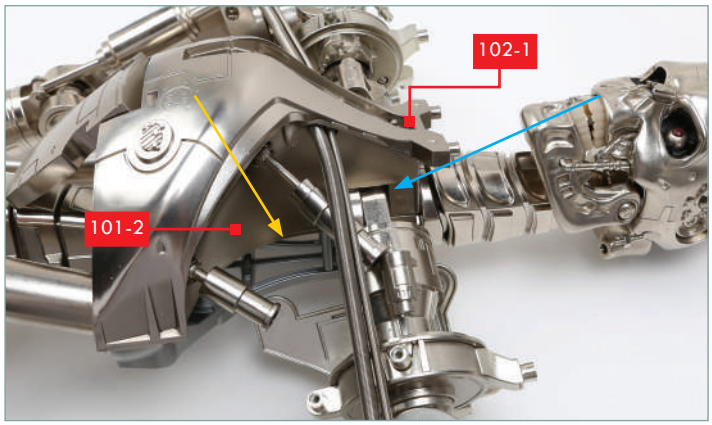
Take the two rubber sockets **103-4** and fit them into the two holes in the front of the chest of your model at the base of the neck, as indicated. You will need to push them firmly into the holes.





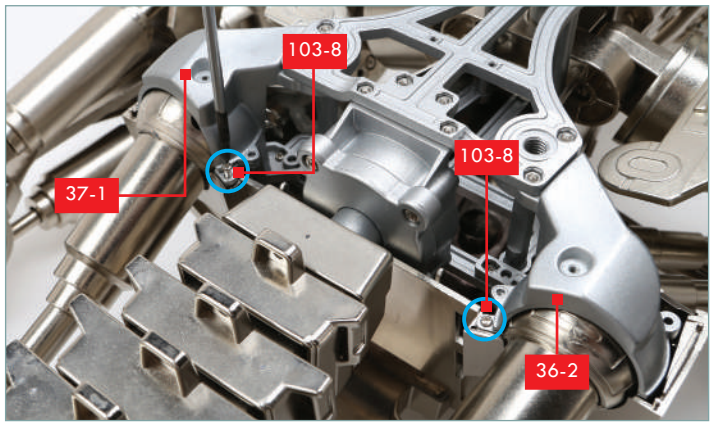
STEP 6

Fit the chest assembly from step 4 on the front of the Terminator model: two pegs on the inside of the chest (circled, right) fit into the rubber sockets fitted in step 5.



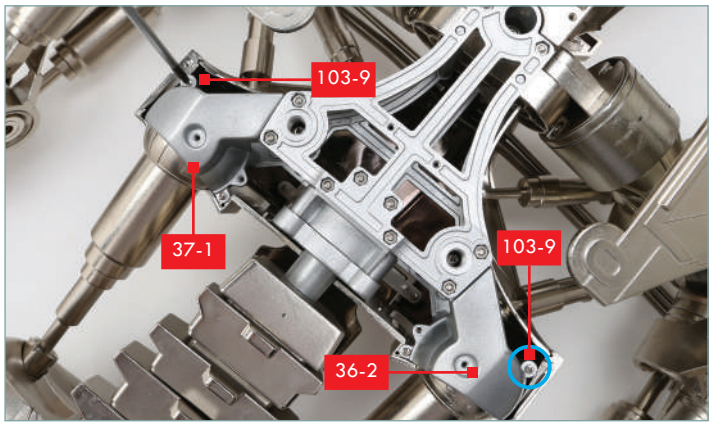
STEP 7

The curved edges of the chest panels **101-2** and **101-1** (not seen) fit snugly against the curved bar of the metal frame (yellow arrow) and the angled shape of the panels fits against the shoulder parts (blue arrow).



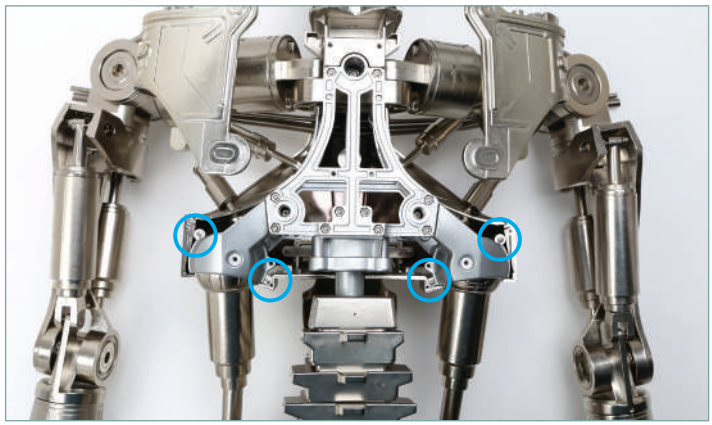
STEP 8

Carefully turn the model over, keeping the chest section in place. Fix the lower edge in place using two PB 2x6 mm screws (**103-8**). They go through screw holes in the parts **37-1** and **36-2,** and into screw sockets in the back of the chest panel.



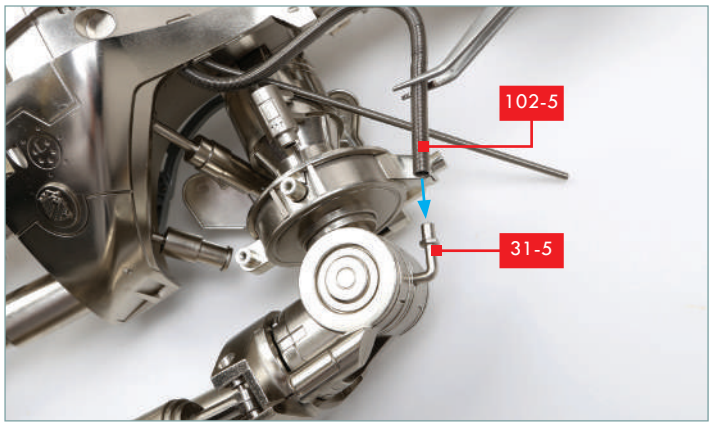
STEP 9

Fix the side edges of the chest panel in place using two PB 2x8 mm screws (**103-9**). They go through screw holes in the parts **37-1** and **36-2,** and into screw sockets in the back of the chest panel.



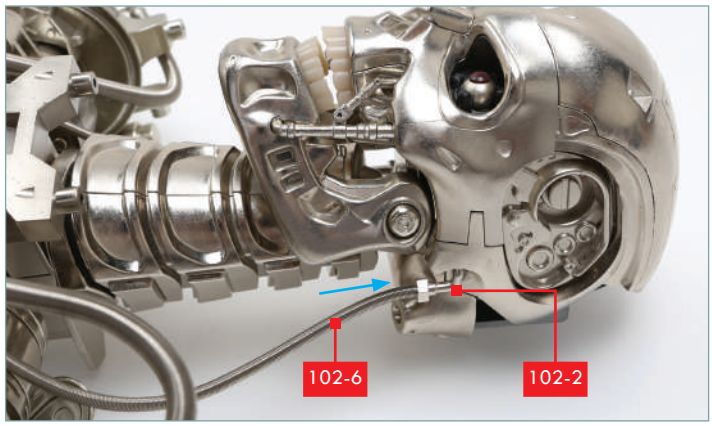
STEP 10

This shows the four screws in place (circled).



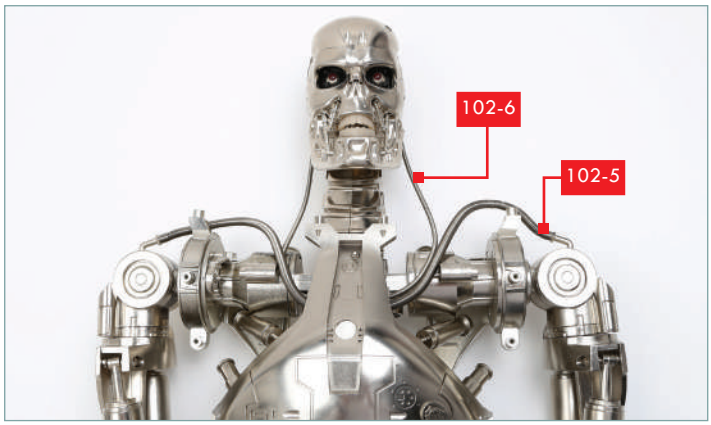
STEP 11

Turn the model on its back. The ends of the larger spring tube **102-5** fit on to the pipes from **31-5** (on the left shoulder) and **25-3** (on the right shoulder). Apply a little glue to the ends of the pipes before fixing the tube ends in place. You may need to twist the spring as you fit it.



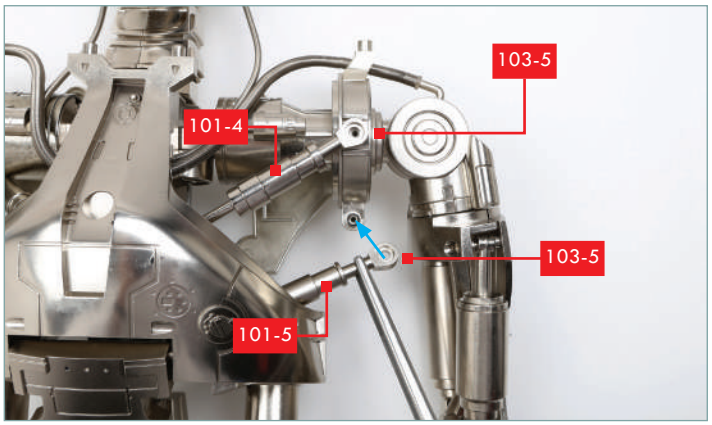
STEP 12

The ends of the narrow tubes **102-6** fit on to the details on the side of the head, **102-2** (on the left) and **102-3** (on the right). Again, apply a little superglue to the ends of the pipe before fixing the tube ends in place.



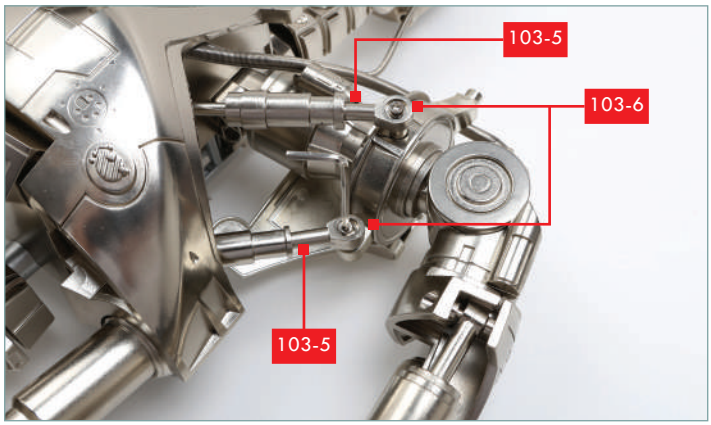
STEP 13

This shows the ends of the tubes fitted to the pipe details.



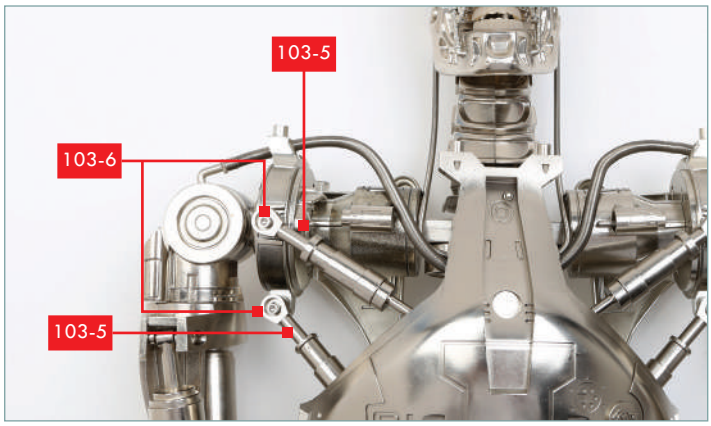
STEP 14

Fit two of the shafts **103-5** into the chest attachments **101-4** and **101-5** on the left-hand side of the model. Fit the shaped ends of the shafts **103-5** over the shoulder attachments, as shown.



STEP 15

Use hex screws **103-6** and the Allen key supplied with this stage to fix the ends of the shafts **103-5** in place. They do not fit tightly into the recesses, as the shafts need to have movement.



STEP 16

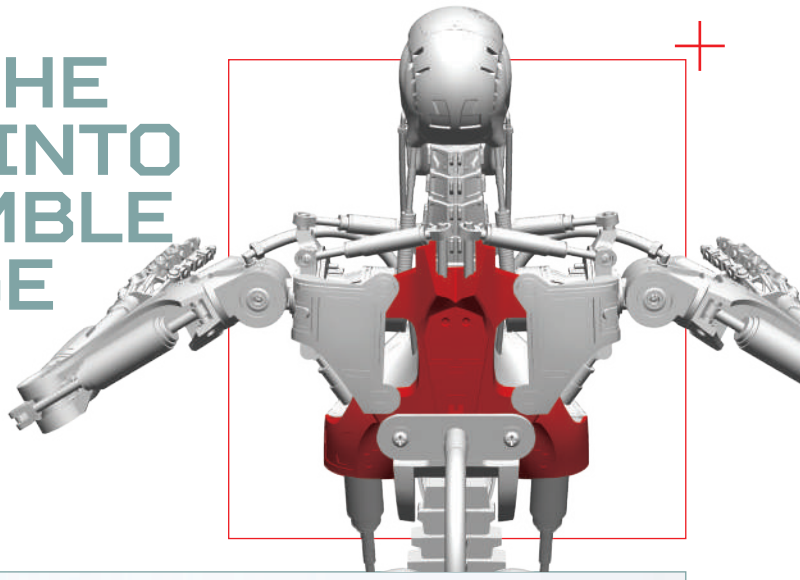
Repeat the two previous steps to fit the shafts **103-5** in place on the right-hand shoulder, using the hex screws **103-6**.

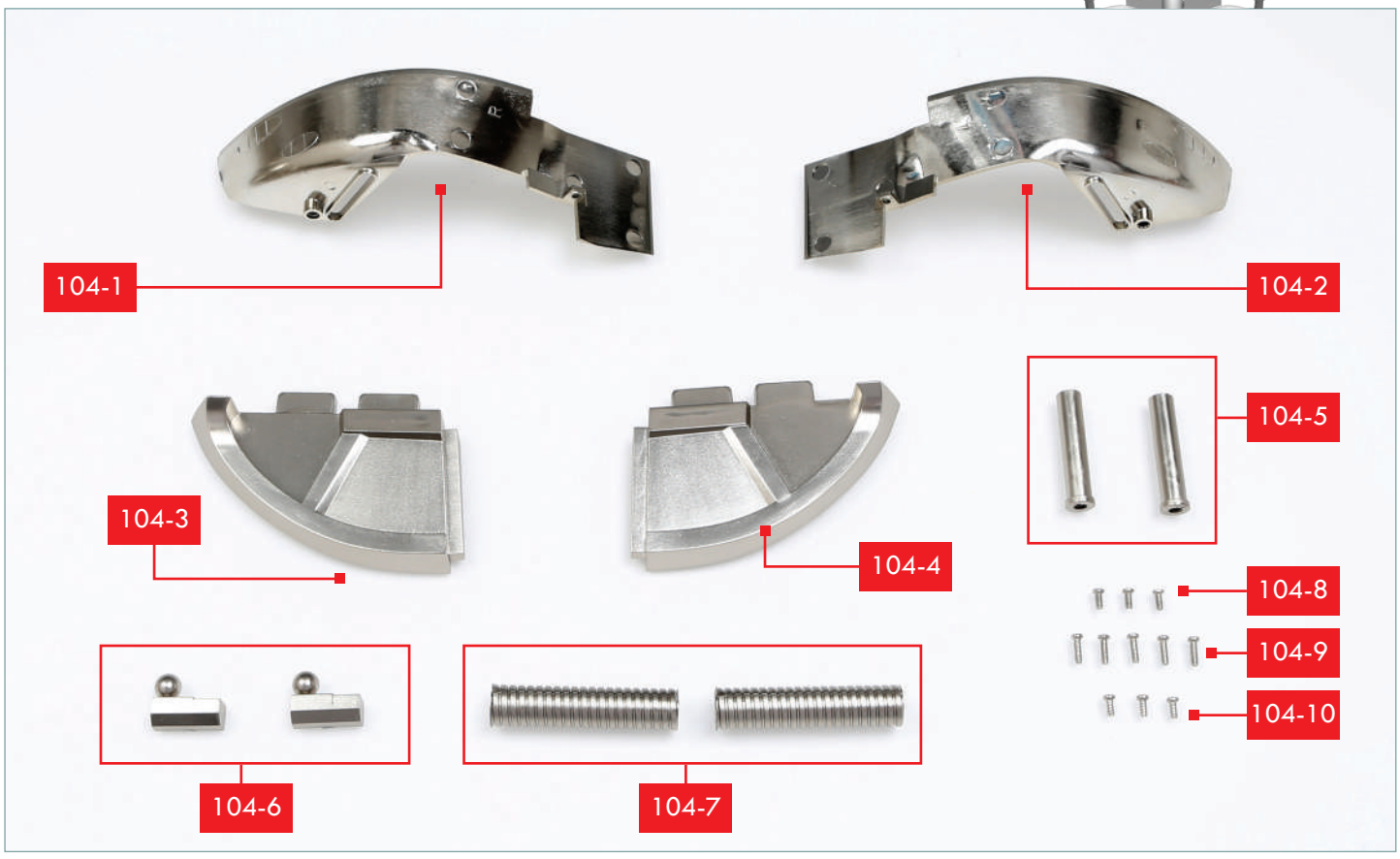
STAGE COMPLETE!

The chest assembly has been fitted to the front of the model, with the chest attachments fixed to the shoulders. The spring tubes have been attached to details on the sides of the head and the top of the shoulders. Part **103-1** (inset) will be fitted in the next stage.

STAGE 104: GLUE THE CHEST SUPPORTS INTO PLACE, AND ASSEMBLE AND AFFIX A LARGE BACK PANEL

Construct the back assembly from two sizeable components, and attach the chest supports to the front of the model.



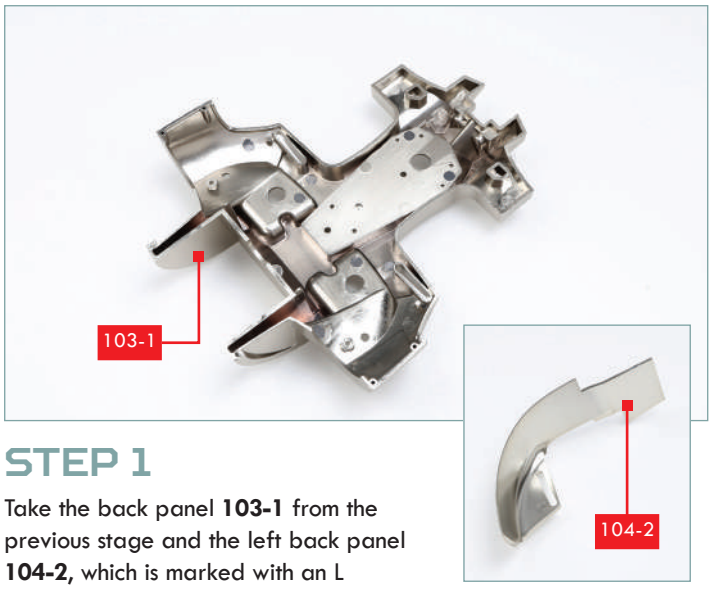


LIST OF PIECES

104-1	Back panel (right)	104-7	2x Ribbed shafts
104-2	Back panel (left)	104-8	3x PM screws (2x4 mm) (1 spare)
104-3	Chest support (left)	104-9	5x PM screws (2x6 mm) (1 spare)
104-4	Chest support (right)	104-10	3x PB screws (2x4 mm) (1 spare)
104-5	Two straight shafts		
104-6	2x Fixing blocks		

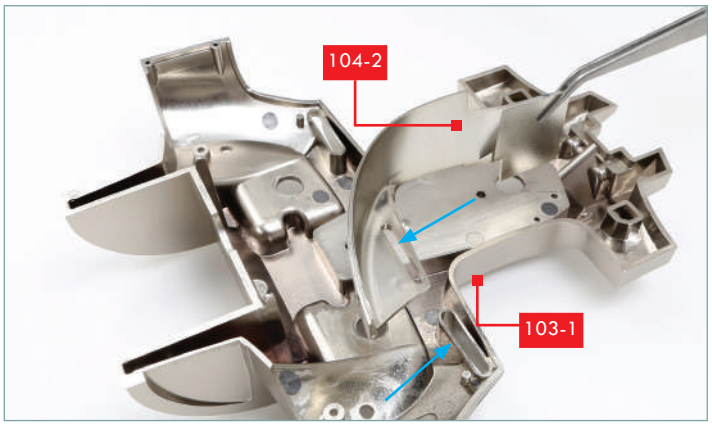
YOU WILL ALSO NEED

Back panel 103-1 from the previous stage, Model assembly from stage 103, fine cross-head screwdriver, superglue and a cocktail stick.



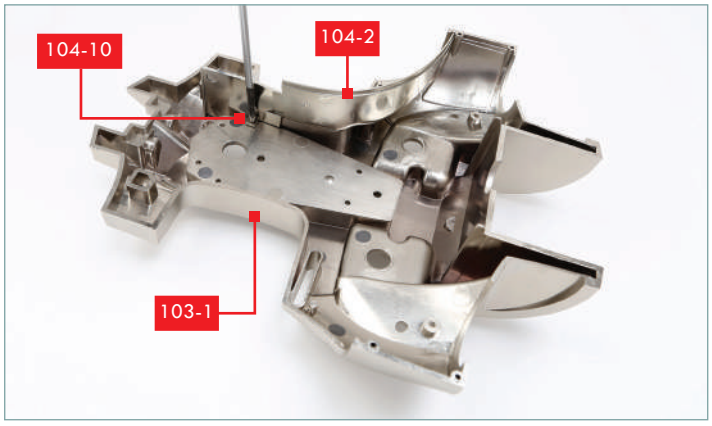
STEP 1

Take the back panel **103-1** from the previous stage and the left back panel **104-2,** which is marked with an L (inset right).



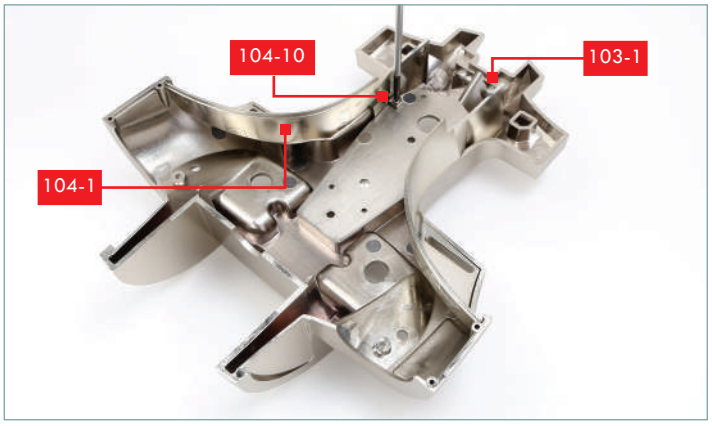
STEP 2

Fit part **104-2** to the side of part **103-1.** Note that each part has a slot (arrows) and these should align.



STEP 3

There is a tab with a screw hole on the inside of part **104-2.** Use a PB 2x4 mm screw (**104-10**) to fix the two parts together.

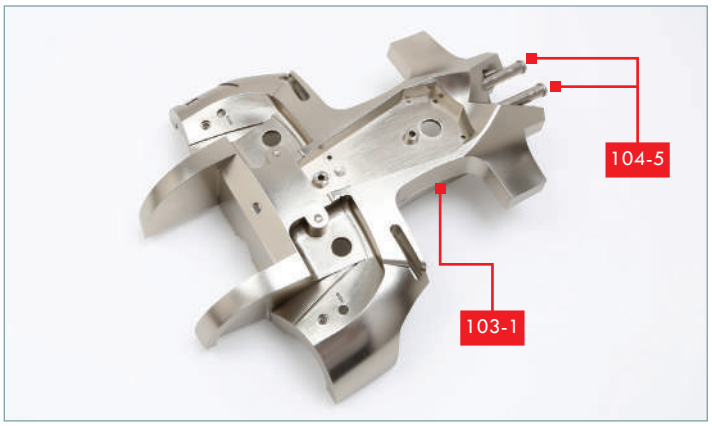


STEP 4

Repeat the previous steps to fit part **104-1** (marked R) to the other side of the back panel **103-1.** Fix in place with a PB 2x4 mm screw (**104-10**).

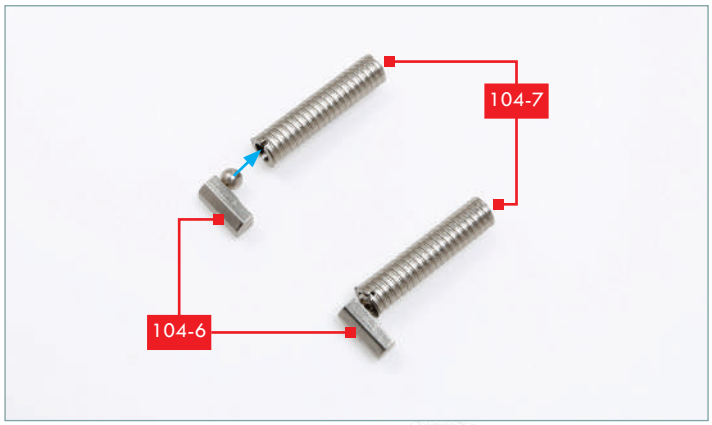
STEP 5

Take one of the shafts **104-5** and apply a little superglue to the flat end of the shaft. Note that the glue is applied to the end without a lip.



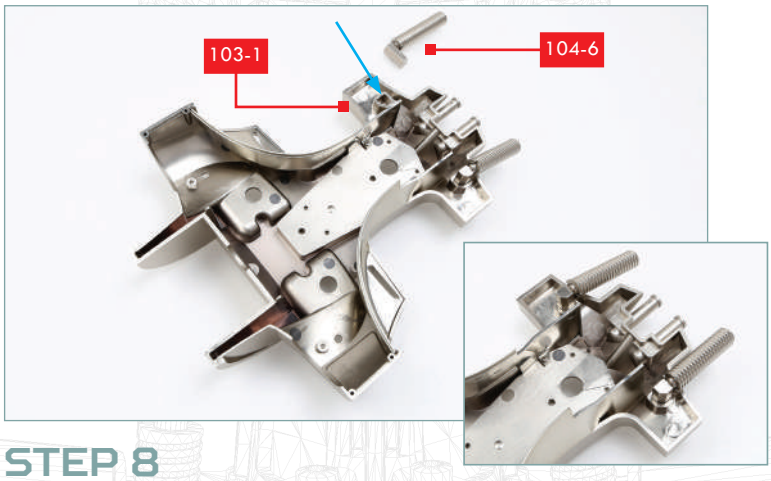
STEP 6

Fit the shaft into the socket at the top of part **103-1.** Repeat to fit the second shaft, as shown.



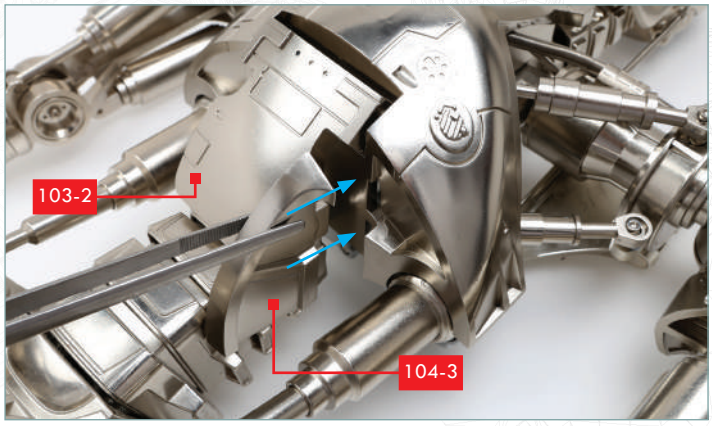
STEP 7

Take the two ribbed shafts **104-7** and identify the ends with the notches (arrow). Fit the ball on each part **104-6** into the end of the shaft with a notch. Push firmly until the ball clicks in place.



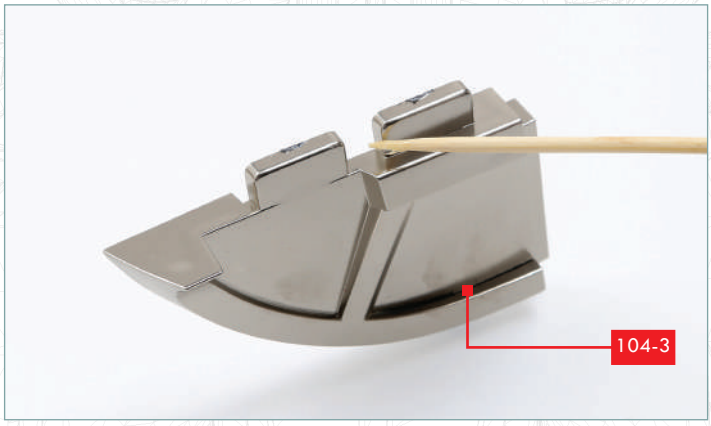
STEP 8

Identify the two sockets on the back of part **103-1** where the parts **104-6** are fitted (arrow). Push the ends of the parts **104-6** into the sockets, as shown (inset). The parts are not firmly fixed at this stage.



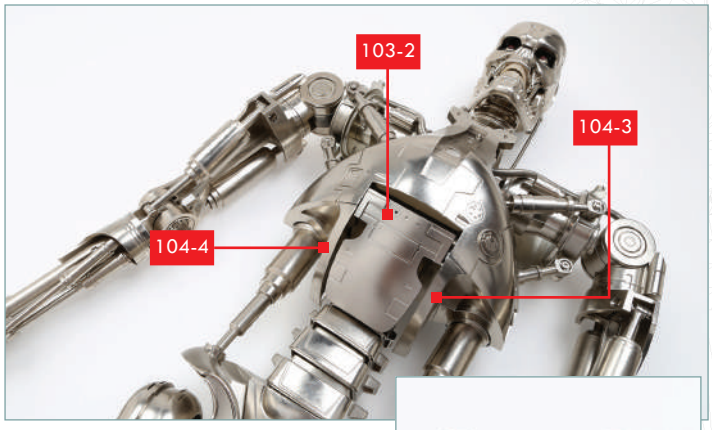
STEP 9

Lay the model assembly on your work surface on its back. Check the fit of the chest support panel **104-3** (marked L) next to the chest detail **103-2**. The two large tabs on part **104-3** fit into slots on the underside of the chest (arrows).



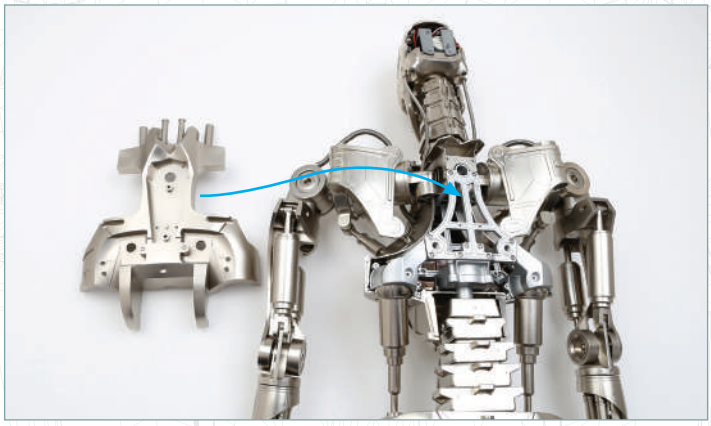
STEP 10

Hold the chest support panel **104-3** (marked L) in the orientation shown and apply superglue to the horizontal surfaces. Fix in place on the model.



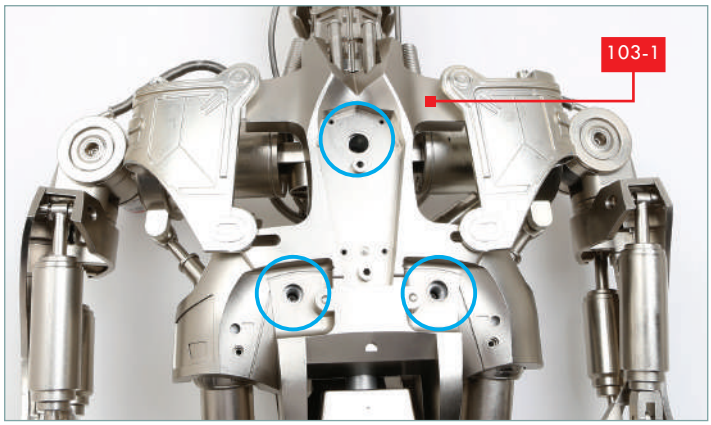
STEP 11

In the same way, apply superglue to the horizontal surfaces of part **104-4** (marked R) fix in place next to the right hand side of part **103-2**.



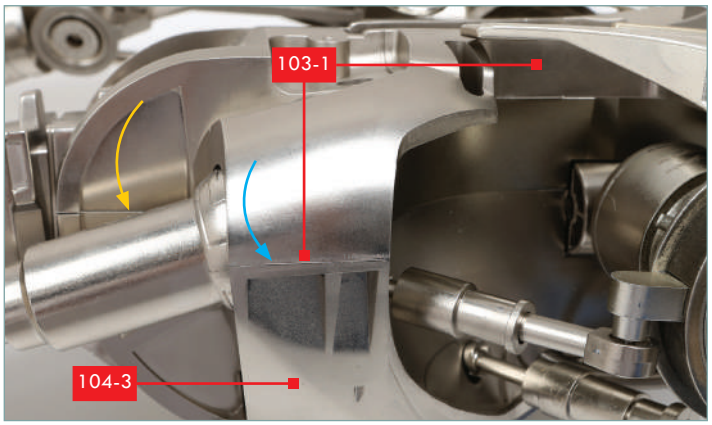
STEP 12

When the glue has dried, turn the model over. Take the assembly from step 8 and check how it fits on the back of the model.



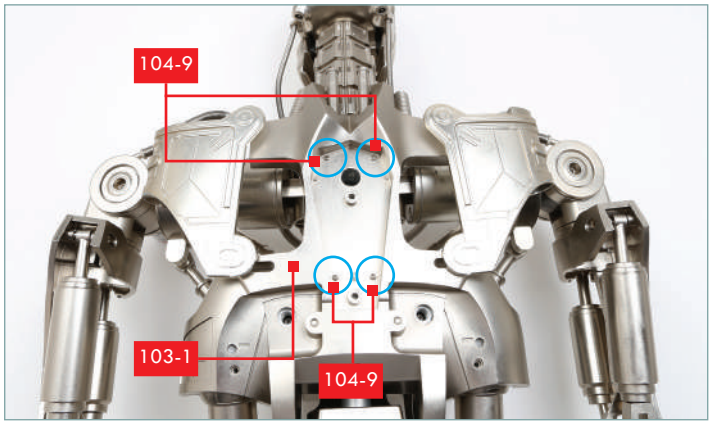
STEP 13

This shows the back assembly in place: three large holes in the back section **103-1** (circled) align with sockets in the metal frame of the back.



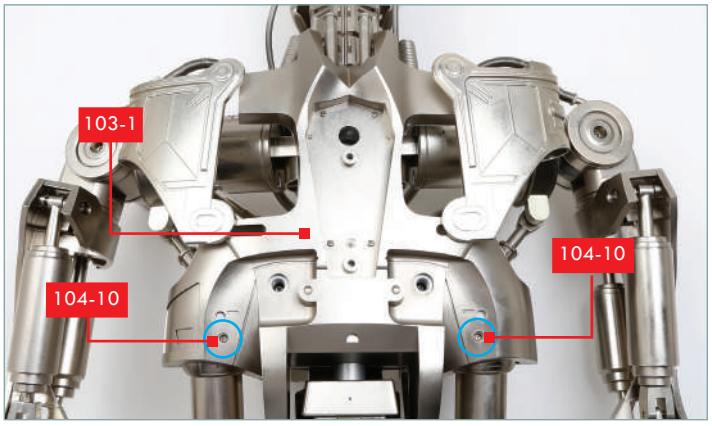
STEP 14

At the side of the model, the back panel **103-1** fits over the edge of the chest panel (blue arrow) and the lower part of the back panel fits over the edges of the chest supports (yellow arrow).



STEP 15

Fix the central section of the back panel **103-1** in place with four PM 2x6 mm screws (**104-9,** circled).



STEP 16

Fix the lower corners of part **103-1** in place using two PM 2x4 mm screws (**104-10,** circled).

STAGE COMPLETE

Supports have been fitted to the lower edge of the chest, and a back panel has been assembled and fitted in place.