

MY ROBOTIC PET ***TUMBLING HEDGEHOG***

LET'S GET
ROLLING!



 THAMES & KOSMOS

Dear Parents and Adults,

Before building and experimenting, read the instructions together with your child and discuss the safety instructions. Please provide your child with the help and advice that he or she needs for tricky assembly steps and experiments, and accompany him or her every step of the way.

Should your child work on a table, give them a table mat to prevent damaging the furniture.

When cutting the plastic parts with a cutter, special care must be taken to avoid sharp edges, rough edges, and burrs. These can be removed using a cutter and a file. Provide your child with a cutter and supervise him or her until you are sure that he or she can use it without supervision.

We wish you and your child a lot of fun with the Tumbling Hedgehog!

IMPORTANT!

Remove the parts from the plastic molds only when they are needed. Remove excess material and burrs using a cutter and a nail file before assembly.

Warning. Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled.

Keep the packaging and instructions as they contain important information.

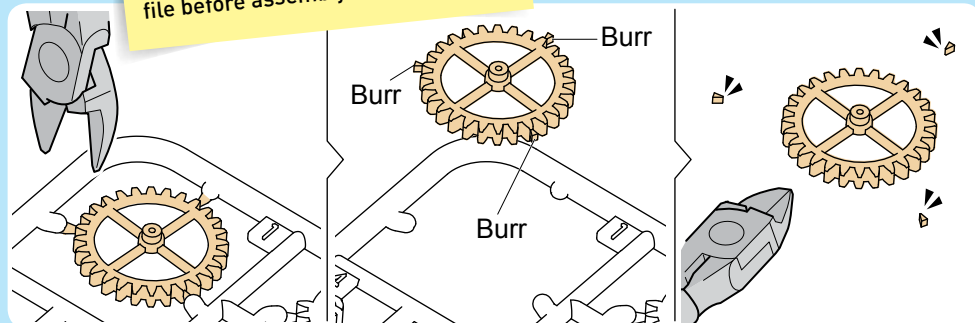
Only for use by children from 7 years or older. Instructions for parents or other responsible persons are included and must be observed.

NOTES ON ENVIRONMENTAL PROTECTION/NOTES ON DISPOSAL OF ELECTRICAL AND ELECTRONIC COMPONENTS:

The electronic components of this product are recyclable. For the sake of the environment, do not throw them into the household trash at the end of their lifespan. They must be delivered to a collection location for electronic waste, as indicated by the following symbol:



Please contact your local authorities for the appropriate disposal location.



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TIP!

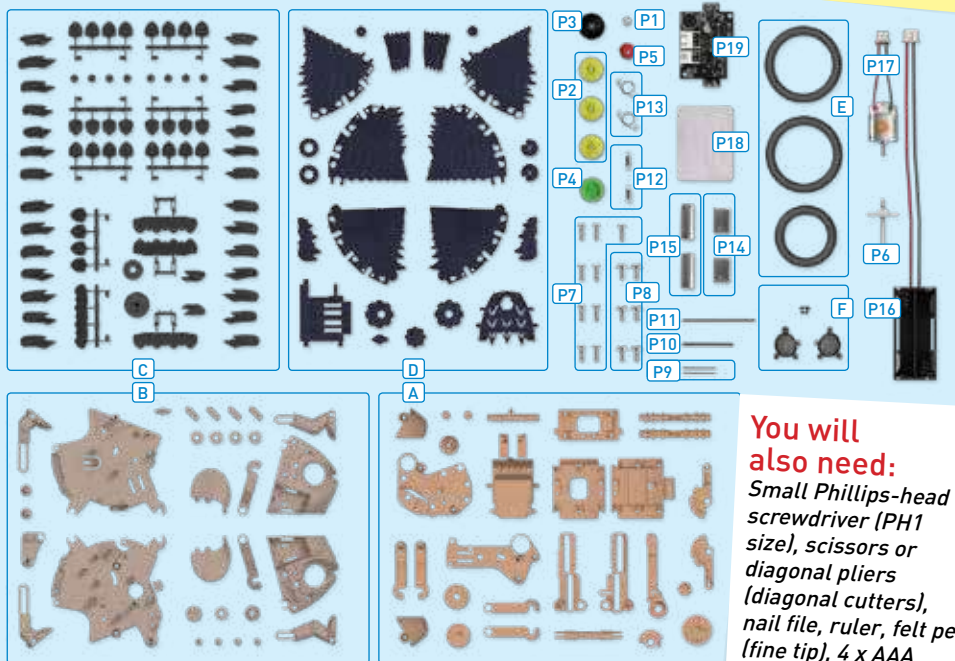
Additional information can be found in the Check It Out section on page 40.



GOOD TO KNOW!

If you are missing any parts, please contact
Thames & Kosmos customer service.

US: techsupport@thamesandkosmos.com
UK: techsupport@thamesandkosmos.co.uk

What's inside your experiment kit:**You will also need:**

Small Phillips-head screwdriver (PH1 size), scissors or diagonal pliers (diagonal cutters), nail file, ruler, felt pen (fine tip), 4 x AAA batteries (1.5-volt, Type LR03)

Checklist: Find — Inspect — Check Off

✓	No.	Description	Quantity
☐	P1	Small gear, white	1
☐	P2	Gear, yellow	3
☐	P3	Gear, black	1
☐	P4	Gear, green	1
☐	P5	Gear, red	2
☐	P6	Gear with metal shaft	1
☐	P7	Screw	9
☐	P8	Wide head screw	6
☐	P9	Round metal shaft	2
☐	P10	Hexagonal metal shaft short	1
☐	P11	Hexagonal metal shaft long	1
☐	P12	Main spring	2
☐	P13	Torsion spring	2

✓	No.	Description	Quantity
☐	P14	Metal block	2
☐	P15	Metal cylinder	2
☐	P16	Battery compartment with connection cable	1
☐	P17	Motor with connection cable	1
☐	P18	2 Flexible connectors (+2 as spare parts)	2
☐	P19	Circuit board	1
☐	A	Plastic parts group A with parts A1 – A27	1
☐	B	Plastic parts group B with parts B1 – B21	1
☐	C	Plastic parts group C with parts C1 – C37	1
☐	D	Plastic parts group D with parts D1 – D20	1
☐	E	Plastic parts group E with parts E1 – E2	1
☐	F	Plastic parts group F with parts F1 – F3	1

NUNA!

THE TUMBLING
HEDGEHOG



... AND THE TEMPLE
OF THE GAAA



ANOTHER QUIET NIGHT IN THE JUNKYARD. EVERYONE IS ASLEEP ...
... EXCEPT TOM AND IZZY.

HERE, WHERE OTHER PEOPLE JUST SEE JUNK, HEROES SEE ENDLESS POSSIBILITIES.

TOM & IZZY



IZZY CAN REPAIR ANYTHING. SHE IS A GENIUS WHEN IT COMES TO MECHANICS.

TOM ON THE OTHER HAND IS A SCIENTIST THROUGH AND THROUGH...

TOGETHER, THEY CAN BUILD ANYTHING!



... HE'S ALWAYS GAME TO TRY OUT AN EXPERIMENT.

YES! WE DID IT!

NOTHING CAN STOP US NOW!

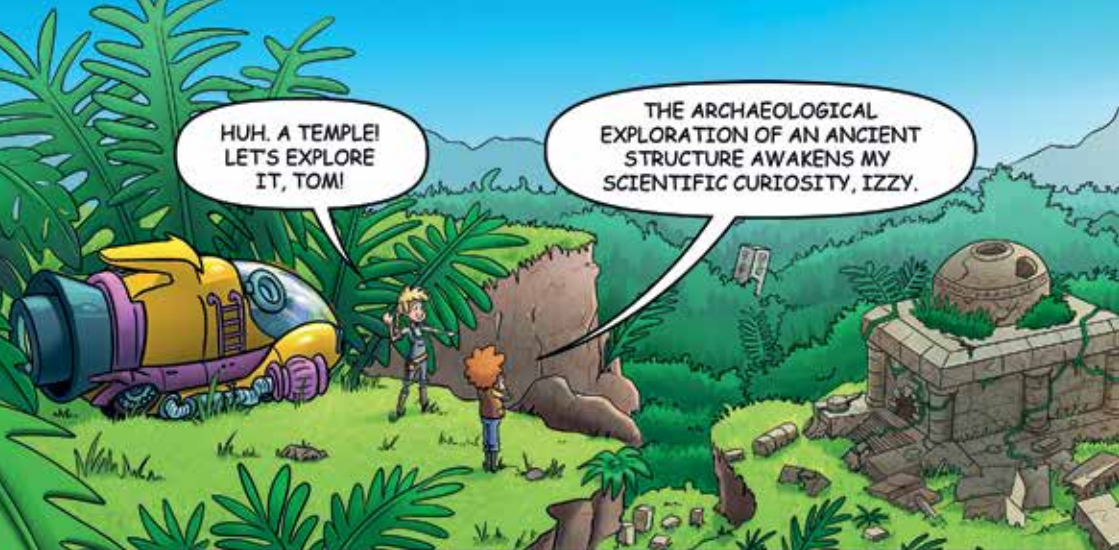


WHERE SHOULD WE FLY TO FIRST?

WHEREVER WE WANT!

WE CAN GO ANYWHERE!





HUH. A TEMPLE!
LET'S EXPLORE
IT, TOM!

THE ARCHAEOLOGICAL
EXPLORATION OF AN ANCIENT
STRUCTURE AWAKENS MY
SCIENTIFIC CURIOSITY, IZZY.



COOOOOOOOL ...

WHAT IS THAT
ON THE PEDESTAL?

AN ALIEN ARTIFACT, DEFINITELY
PROTECTED BY BOOBY TRAPS.



RUBBISH.
THERE ARE
NO BOOBY
TRAPS!

CLICK



AAARGH!



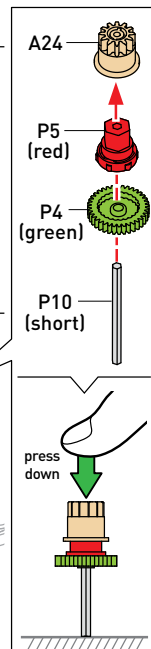
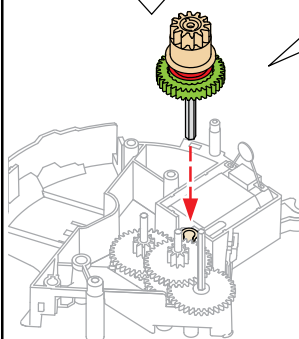
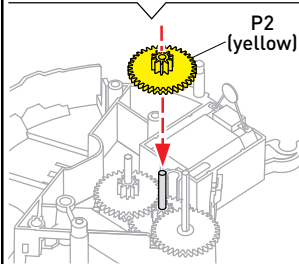
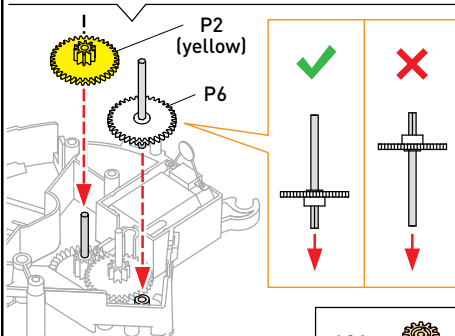
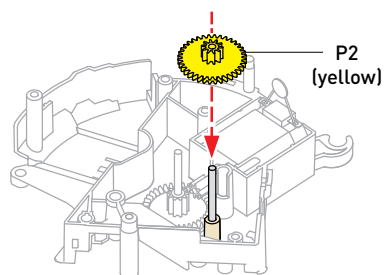
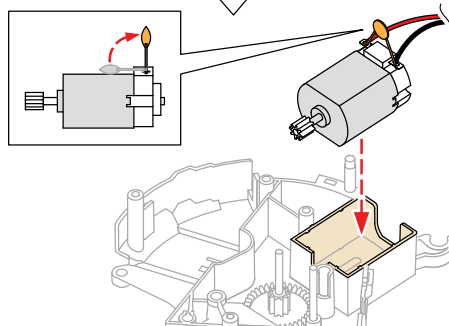
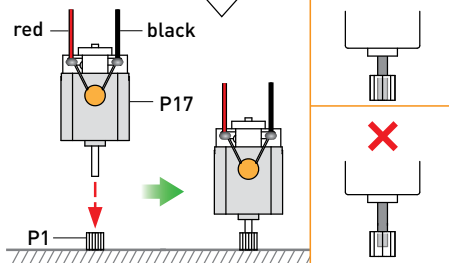
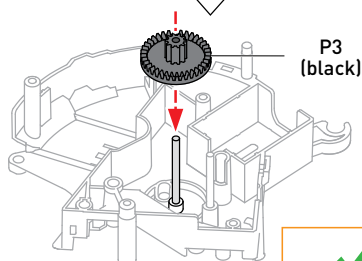
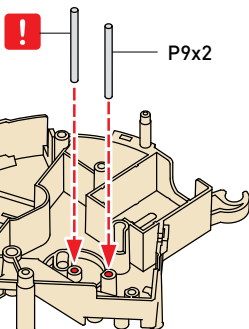
AS I THOUGHT: BOOBY
TRAPS CONNECTED TO
THE FLOOR. THIS
IS VERY RISKY.

I'VE GOT AN IDEA!
READY TO BUILD?

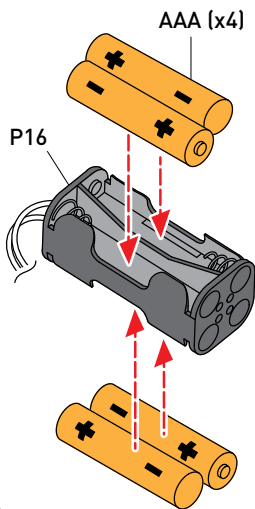
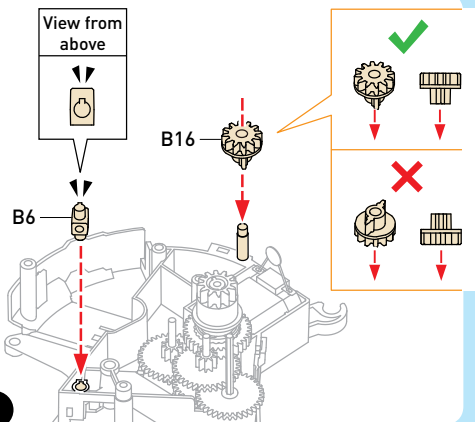
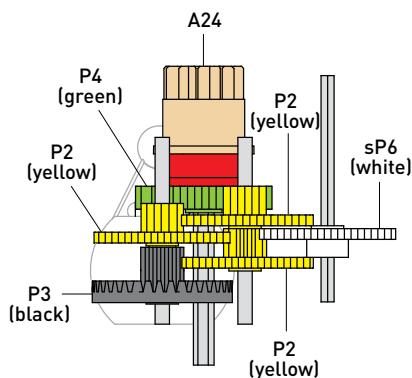
CONTINUED ON
PAGE 36

TRANSMISSION MODULE

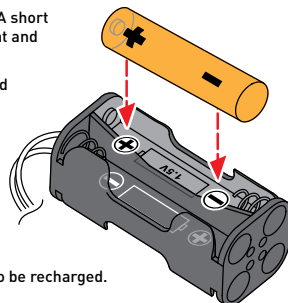
Press the rods in



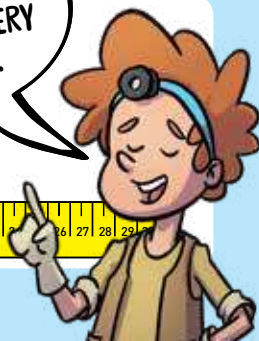
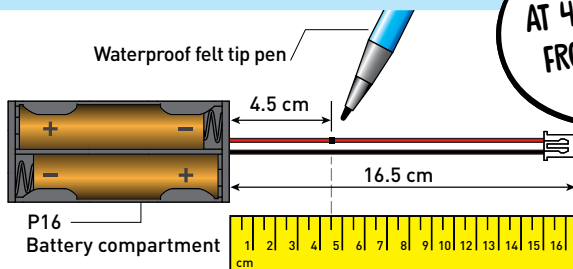
TRANSMISSION MODULE



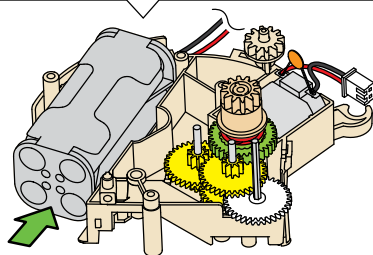
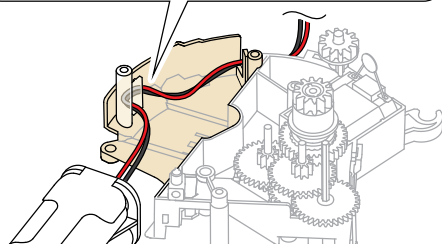
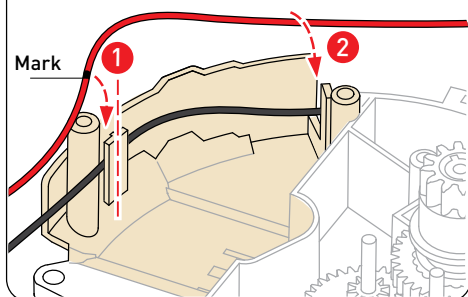
- › Avoid a short circuit of the batteries. A short circuit can cause the wires to overheat and the batteries to explode.
- › Different types of batteries or new and used batteries are not to be mixed.
- › Do not mix old and new batteries.
- › Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- › Batteries are to be inserted with the correct polarity.
- › Non-rechargeable batteries are not to be recharged. They could explode!
- › Rechargeable batteries are only to be charged under adult supervision.
- › Rechargeable batteries are to be removed from the toy before being charged.
- › The supply terminals are not to be short-circuited.
- › Exhausted batteries are to be removed from the toy.
- › Dispose of used batteries in accordance with environmental provisions, not in the household trash.
- › Avoid deforming the batteries.



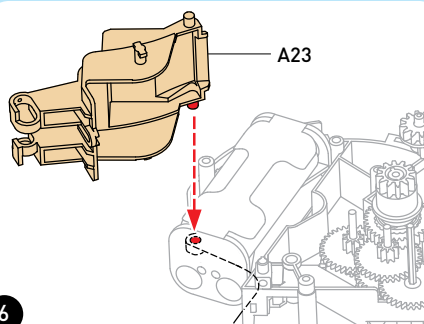
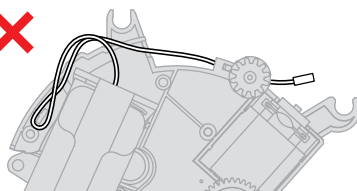
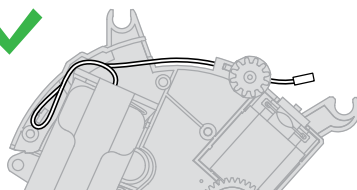
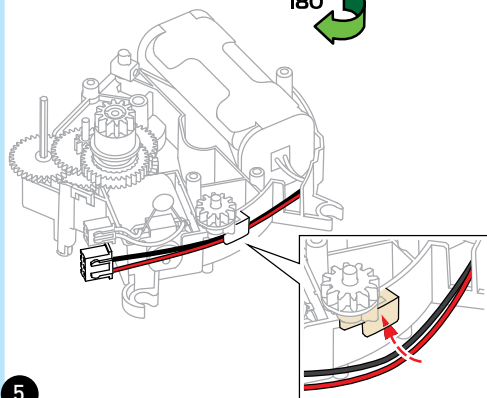
MARK THE CABLE AT 4.5 cm (1.75 in) FROM THE BATTERY COMPARTMENT.



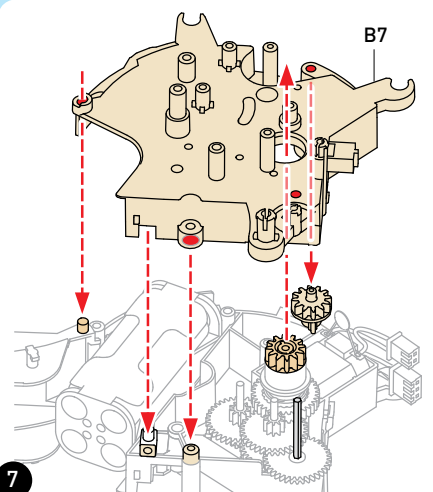
! Lay the cable so that the pen mark lines up with the dashed line.



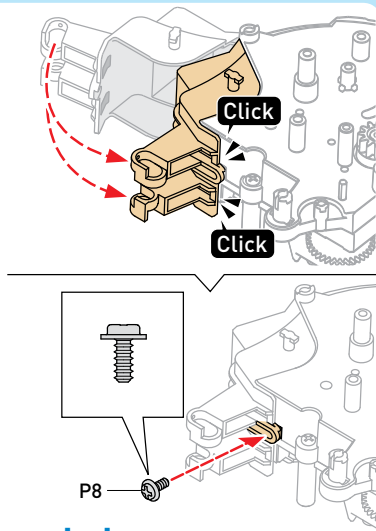
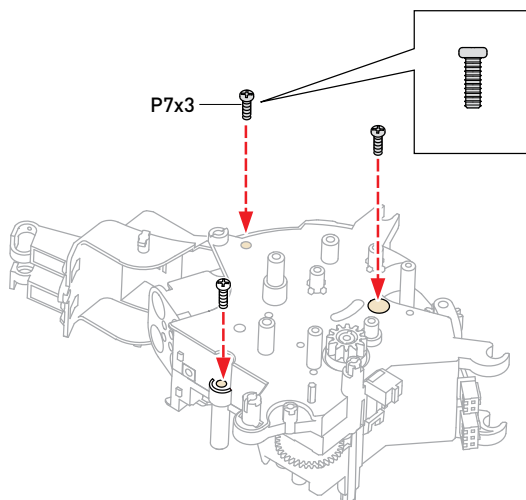
Press



6

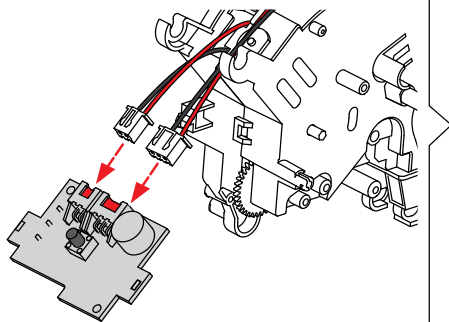


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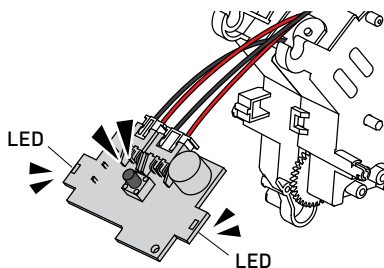


Testing the transmission module

- 1** Connect the two cables to the circuit board as shown in the picture.



- 2** 1. Hold down the black button on the board for two seconds. The LEDs on the board light up.
2. Press the button again (briefly) and the LEDs should light up in green and orange.

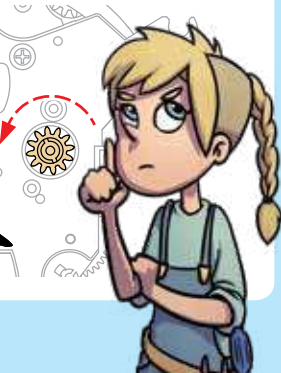


- 3** Let the transmission run for about 10 seconds. Then clap your hands and see if the transmission still runs smoothly.

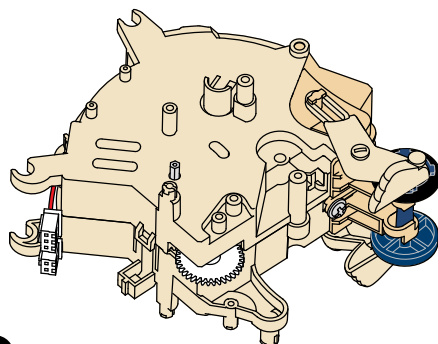
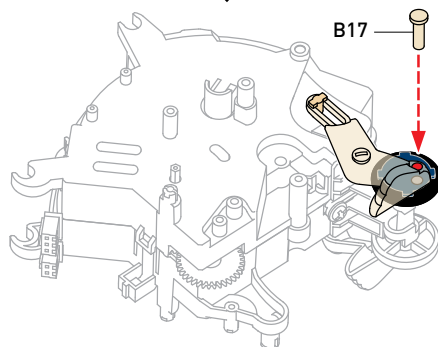
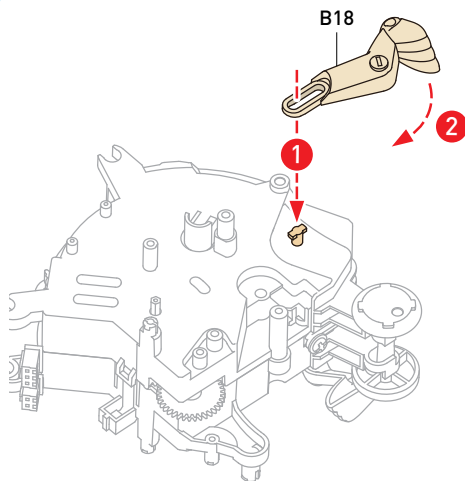
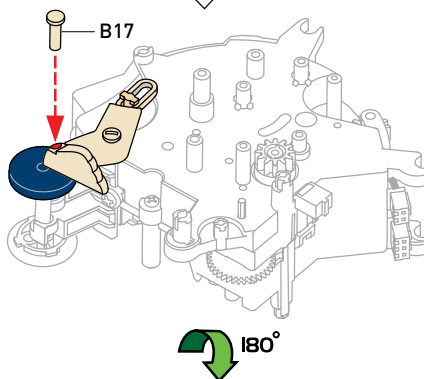
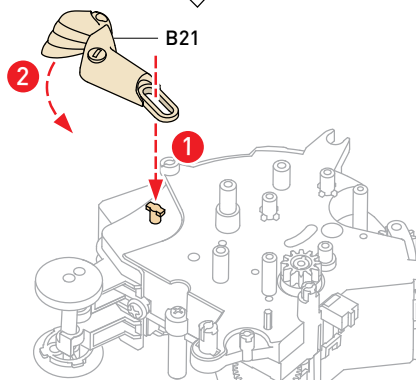
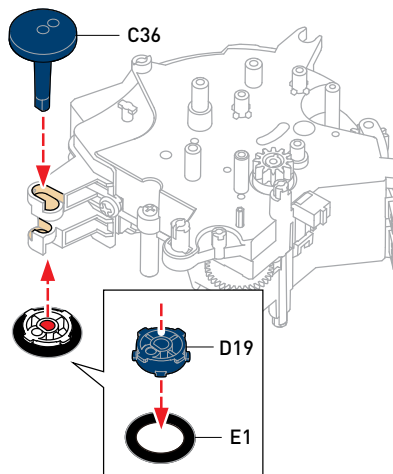
If everything runs smoothly, you can continue with the assembly.

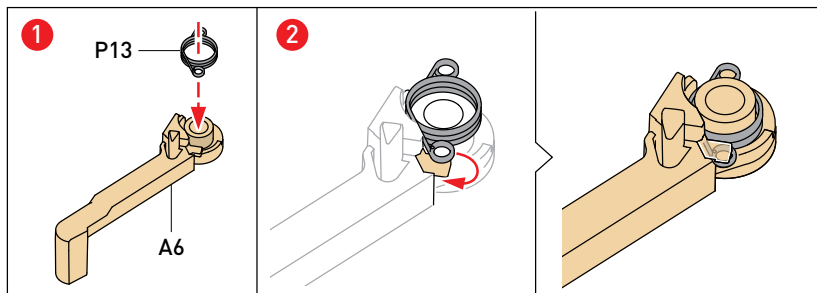
If the transmission does not run, go back to page 7 and rebuild the transmission.

AFTER YOUR
CLAPPING, THE
TRANSMISSION SHOULD
RUN BACKWARD.

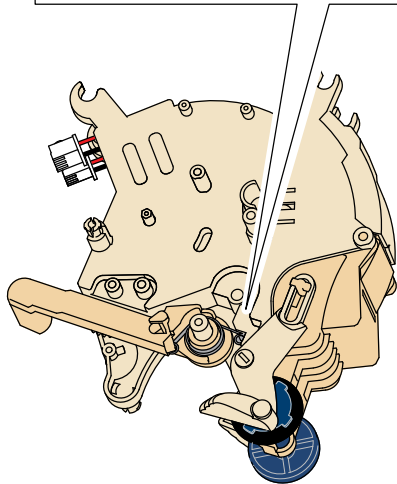
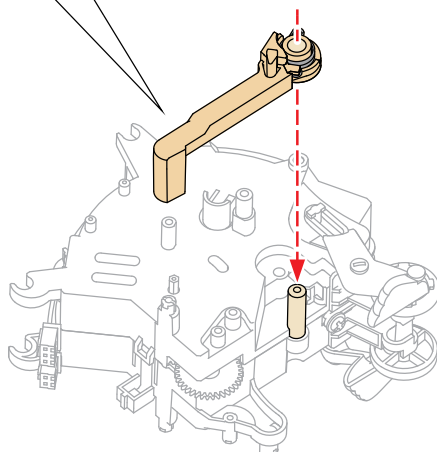
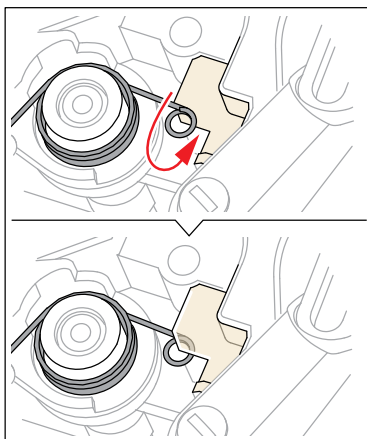


RUNNING AND MOVEMENT MECHANICS

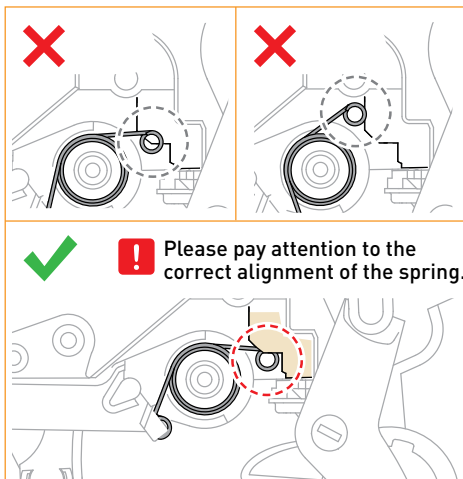


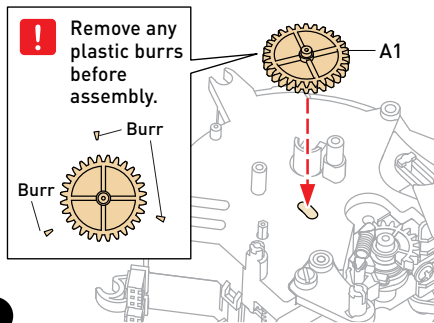
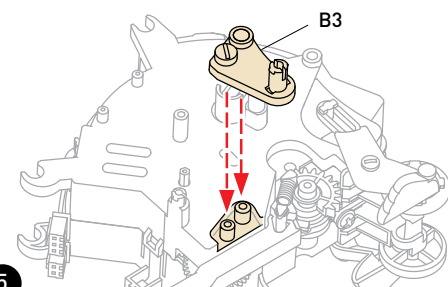
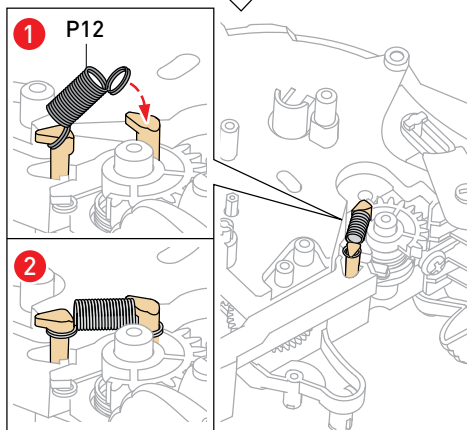
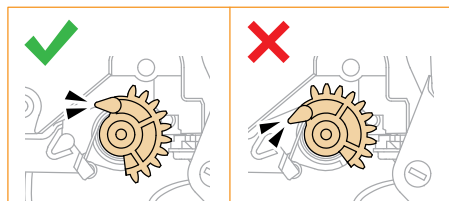
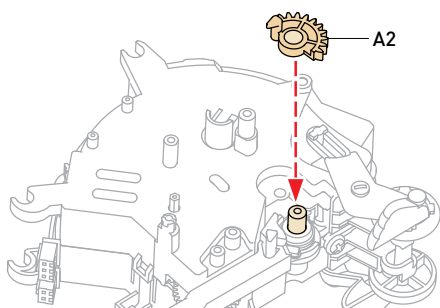


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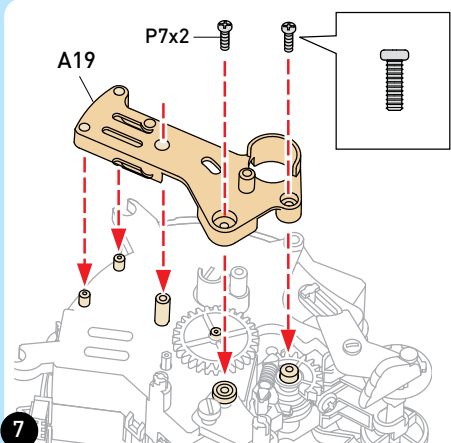


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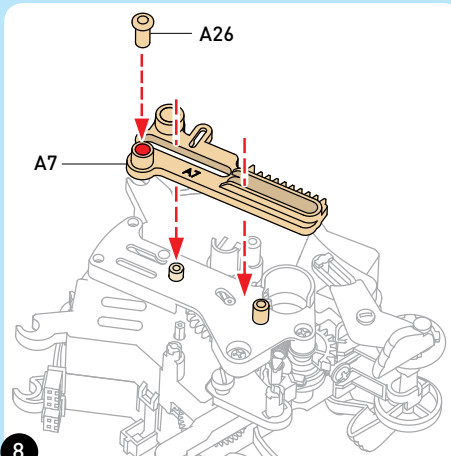




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7



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