

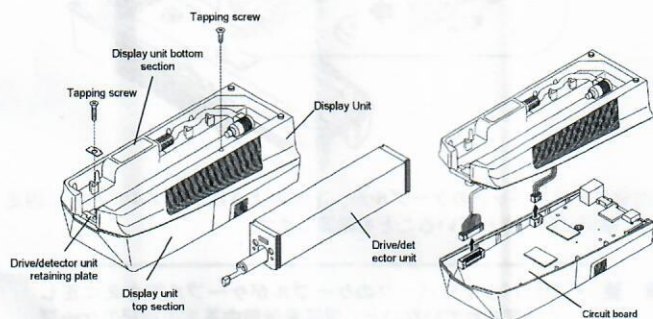
## Replacing procedure of the built-in

This procedure also has been described in "15.3 Replacing the Built-in Battery Pack" of SJ-210 User's Manual. It has larger characters/illustrations than this procedure document. Please refer to SJ-210 User's Manual if larger characters/illustrations are preferable.

1. Separate the drive/detector unit from the display unit.
2. Remove the two tapping screws at the bottom of the display unit using a Phillips screwdriver. Do not lose the tapping screws and drive/detector unit retaining plate during this operation.
3. Gently remove the bottom section of the display unit.

**IMPORTANT** • Exercise care when removing the bottom section of the display unit. The top and bottom sections of the display unit are connected with cables, which, including the connectors, may be damaged when excessively strained.

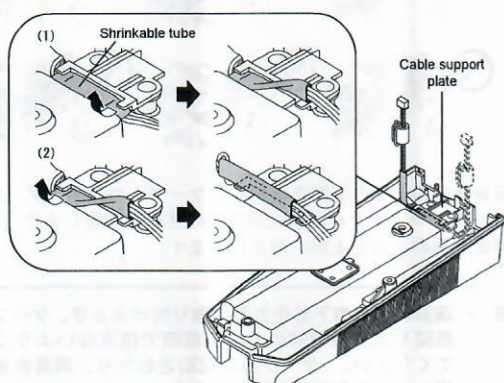
4. Disconnect the two connectors from the circuit board inside the display unit: One connects the top and bottom sections of the display unit, and the other is connected to the built-in battery pack.



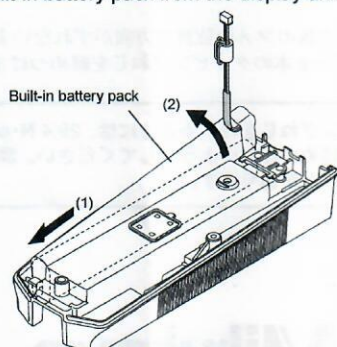
5. Detach the cable of the built-in battery pack from the cable support plate.

**IMPORTANT** • Never remove the cable support plate. Otherwise, the spring of the drive/detector unit retaining pin comes out.

- When detaching the cable of the built-in battery pack, make sure not to break the cable support plate's hooks. Otherwise, cables might be stuck and damaged by the inside of the display unit.



6. Remove the built-in battery pack from the display unit.



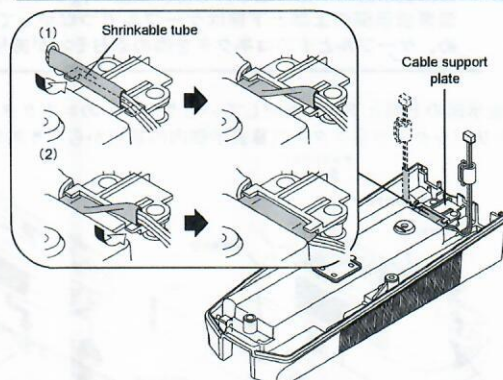
7. Place a new built-in battery pack properly inside the display unit.

8. Fix the cable into the cable support plates. Fix the cable with the hook (1) at the built-in battery side, and the hook (2) at other side.

**IMPORTANT** • When fixing the cable of the built-in battery pack, do not use any pointed tools such as driver. Otherwise, the coating of cable might be torn and then the built-in battery might be shorted.

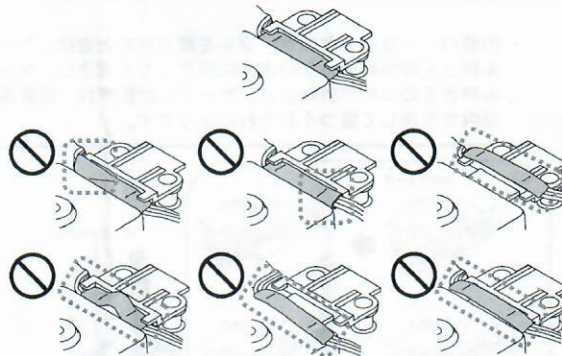
- When fixing the cable of the built-in battery pack to the cable support plate, make sure to fix the part that is covered with shrinkable tube.

- Never remove the cable support plate. Otherwise, the spring of the drive/detector unit retaining pin comes out.



9. Check that the cable of built-in battery pack is fastened and are wired securely as shown below.

**IMPORTANT** • Make sure to fix the cable of the built-in battery pack to the cable support plate. Otherwise, the cable might be damaged by the protrusion inside the display unit, and then the built-in battery might be shorted.



10. Reconnect the connector, which connects the top and bottom sections of the display unit, and built-in battery pack connector to the board in the display unit.

11. Couple the bottom section of the display unit with the top section.

**IMPORTANT** • Exercise care not to have the cable pinched by the PCBs or by the upper and lower sections of the display unit when fitting the lower section to the upper section. Cable disconnection or display unit breakage may result.

12. While confirming that the hooks on the drive/detector unit retaining plate are correctly aligned, tighten the two tapping screws on the bottom face of the display unit.

**NOTE** • The tapping screws must not be tightened to more than 29.4 N·cm (3 kgf·cm). Otherwise, the display unit may be damaged.

GB

**Disposal of waste batteries and accumulators (as applied in the European Union and other European countries with separate collection systems)**

Batteries and accumulators containing heavy metals such as mercury, lead and cadmium may contaminate the environment if improperly discarded. When incinerated, certain chemicals are released into the air or concentrated in the ash residue from the combustion process; this may lead to a health risk to humans, animals and the environment in general.

In compliance with legal requirements, the symbol of a 'crossed-out wheeled bin' is either applied on the battery or on its packaging. This symbol indicates that disposal of the batteries in household waste is strictly prohibited; instead the batteries have to be disposed of by separate collection and recycling means. Additional marking identifies the heavy metal content (i.e. Cd = cadmium, Hg = mercury, Pb = lead) as contained within the battery if over prescribed levels.

End users are obliged by law to comply with the discarding procedure for waste batteries. At Mitutoyo facilities, or at its appointed distributors, receptacles will be provided to accept, at no charge, the disposal of previously supplied batteries.

D

**Entsorgung von (leeren) Batterien und Akkumulatoren (in der Europäischen Union und anderen europäischen Ländern mit Abfalltrennsystemen)**

Batterien und Akkumulatoren, die Schwermetalle wie z.B. Quecksilber, Blei und Kadmium enthalten, können die Umwelt verschmutzen, wenn sie nicht vorschriftsgemäß entsorgt werden. Bei Veraschung entweichen bestimmte Chemikalien in die Luft oder konzentrieren sich in Aschenresten aus dem Verbrennungsprozess - dies kann Gesundheitsrisiken für Menschen, Tiere und Pflanzen zur Folge haben.

Gemäß den gesetzlichen Bestimmungen befindet sich das Symbol eines 'durchgestrichenen Behälters mit Rädern' entweder auf der Batterie oder auf ihrer Verpackung. Dieses Symbol weist darauf hin, dass es strengstens verboten ist, Batterien im Hausmüll zu entsorgen und dass sie separat entsorgt und recycelt werden müssen. Eine zusätzliche Markierung gibt den Schwermetallgehalt (d.h. Cd = Cadmium, Hg = Quecksilber, Pb = Blei) der Batterie an, wenn sie die vorgeschriebenen Grenzwerte überschreitet.

Endbenutzer sind dazu verpflichtet, die gesetzlichen Bestimmungen für die Entsorgung von (leeren) Batterien einzuhalten. Bei Mitutoyo-Einrichtungen oder bei Mitutoyo-Vertragshändlern wird ein Behälter aufgestellt, um die zuvor zur Verfügung gestellten Batterien kostenlos zu entsorgen.

E

**Desecho de baterías residuales y acumuladores (aplicable a la Unión Europea y otros países europeos con sistemas de almacenamiento por separado)**

Las baterías y acumuladores que contienen metales pesados, como mercurio, plomo y cadmio, podrían contaminar el medioambiente si no se desechan de forma correcta. Al incinerarlos, ciertas sustancias químicas se liberan o se concentran en las cenizas resultantes del proceso de combustión, lo que conlleva riesgos para la salud de personas y animales.

En cumplimiento con las normas legales, cada batería o en el embarque lleva impreso el símbolo de "un bote de basura tachado". Este símbolo indica que desechar baterías como si se tratasen de desechos comunes queda estrictamente prohibido y dichos residuos deberían eliminarse mediante un proceso de separación y de reciclaje. Una marca adicional específica si prescriben niveles superiores, el tipo de metal pesado que contienen (Cd = Cadmio, Hg= mercurio, Pb = plomo).

Los usuarios finales están obligados por ley a cumplir correctamente con la separación de baterías residuales. En las instalaciones de Mitutoyo o con determinados distribuidores, se suministrará un recipiente, sin cargo alguno, para el desecho de baterías suministradas.

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