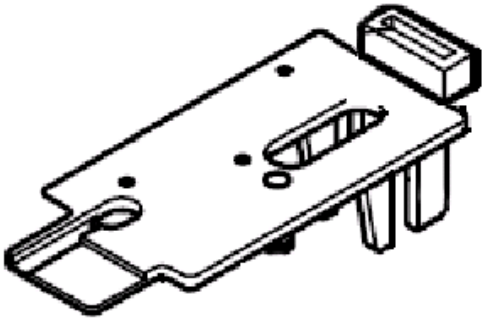
Hallbrookcomponents.com
Salbæk Technology Group
support@sal-tech.com
Skype: easy.packaging

Item: **TA-083A Separator Ass'y (SUS)**

Document: **Installation Guide**

In connection with: **Semi-Automatic Polypropylene Strapping Machine from Transpak TP-202**

Edition/date/Initials: A 071120 GUS



Part image:



Machine: Transpak TP-202

Support 24/7: Hallbrookcomponents.com support team is ready 24/7, use online Zendesk, phone or email. Details later in this guide.

Index:

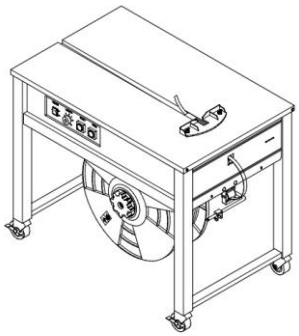
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1. General Information

This document is a guide for TA-083A Separator Assembly (SUS). Listed below are the machines which are compatible to the TA-083A Separator Ass'y (SUS) spare part:

- TP-201
- TP-202
- TP-203
- TP-202L
- TP-201CE
- TP-202CE
- TP-203CE
- TP-202LCE
- TP-201YS
- TP-201Y






2. Safety guide

Before working on the machine secure that the machine is in a safe condition, turned off, and if equipped with CE main switch the main switch should locked with a pad lock indicating machine is under service and repair. Best is always to unplug the machine from the electrical supply outlet. Secure the machine and heater are cold before working with the separator as it is close to the heater that will give burn marks if not cold.

3. Requirements to do the repair and assembly of new part(s).

The exchange of the TA-083A Separator Assembly (SUS) is a simple task not involving any open core electrical cable work or complicated mechanical adjustments or tests.
You can repair your TP-202 within legal requirements in most places worldwide, given you have the needed skill sets and can overview of the job at hand. If in doubt contact our support team for further guidance and advice.

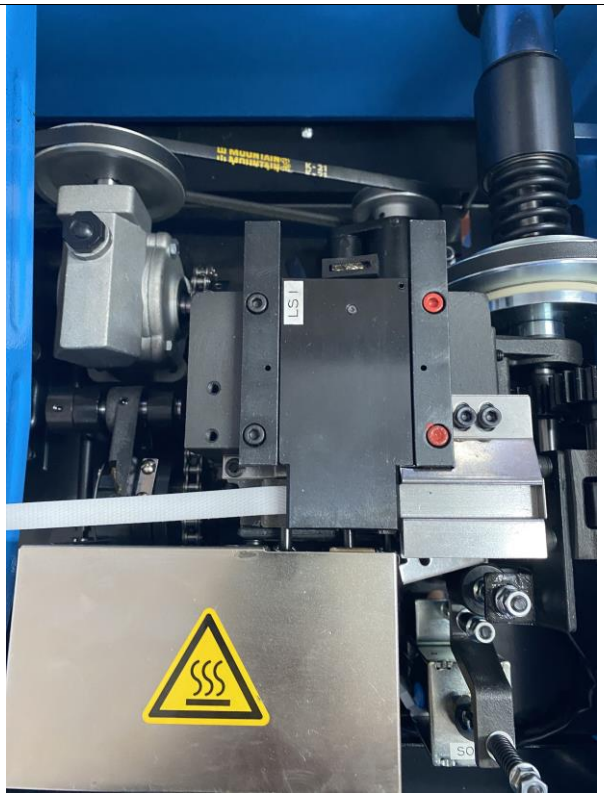
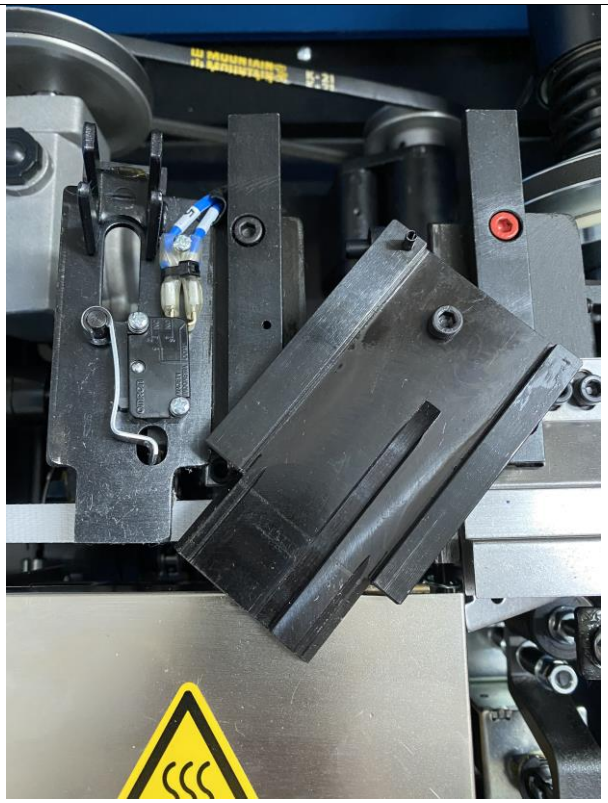
4. Tool list for the job:

- Cleaning cloth
- Philips screwdriver small/medium size
- Set off plyers can be help full for disconnecting and reconnecting the cable crimps terminals.
- 1piece cable strips to replace the one that is cut when dismantling the separator.
- Cutter for cable ties

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5. Spare Parts dismantling and assembly of TA-083A Separator Ass'y (SUS)

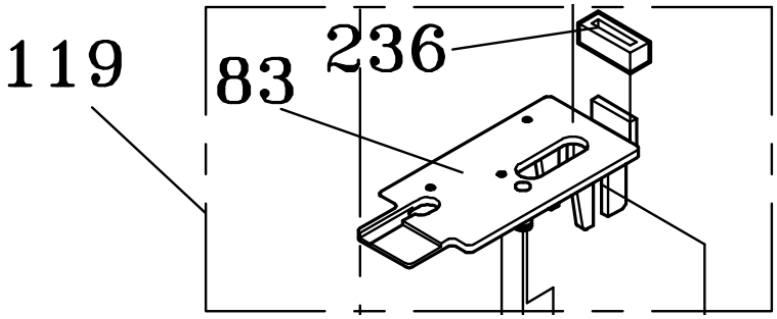
TA-083A Separator Ass'y (SUS) separates the strap until the TB-113 Heater has fully entered between the upper and lower strap, without moving the spacer backwards when be mover backwards. If the slide and separator are not running perfectly between each another and the guide left and right you will have misalignment of strap and poor welds. Do not unscrew the TA-226 Guide Right, which is marked with red painted Allan bolts unless you conclude, that this guide is worn out. To adjust TA-083A separator, TA-080 Slide and TA-095 guides left with heater TB-113 you need to secure perfect entry of heater and release of strap as criteria for having done a job well done.

Image of assembly assembled and taken apart for easy overview	
	
TA-083A Separator and TA-080 Slide seen from above before taking apart. TA-080 Slide marked with LS1. Note the red marked screws TA-096 (HBS0512), DO NOT DISASSEMBLE.	Separator shown to the left with cable assembly, cable strips to be exchanged. To the right the slide. TA-083A Separator Ass'y does not include TF-006 microswitch, TA-087 Lever Switch, TA-084 Screw (PMS0315) or TA-238 Snap ring (ER03)

The TA-083A Separator Ass'y (SUS) is installed inside the machine assembly. It is connected to the Slide Ass'y (TA-080A/TA-080AS) and Arm (TA-090). The Separator Ass'y (SUS) is composed of the following parts: Separator (TA-083/TA-083S) and Rubber Buffer (TA-236).

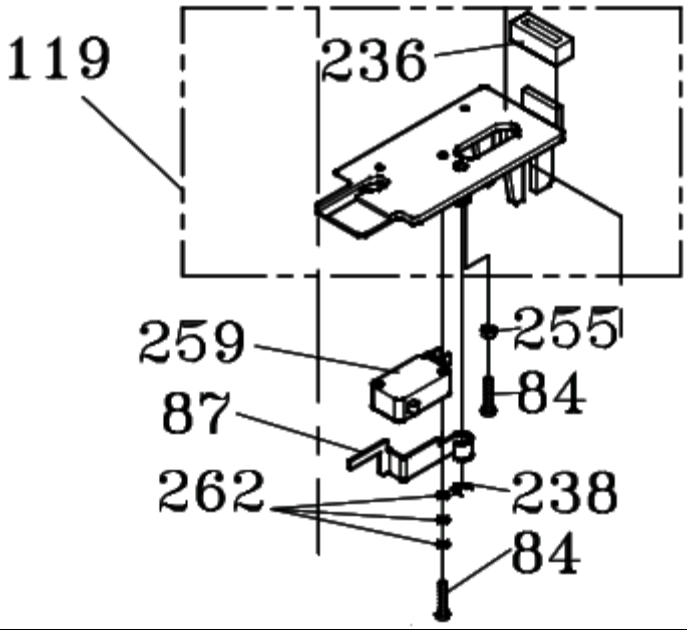
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The TA-083 Slide Ass'y (SUS) position 119 consists of the following parts:



Position	Parts no.	Description	Qty
83	TA-083	Separator	1
236	TA-236	Rubber Buffer (Gum)	1
Not Shown		Glue for assembly	AR

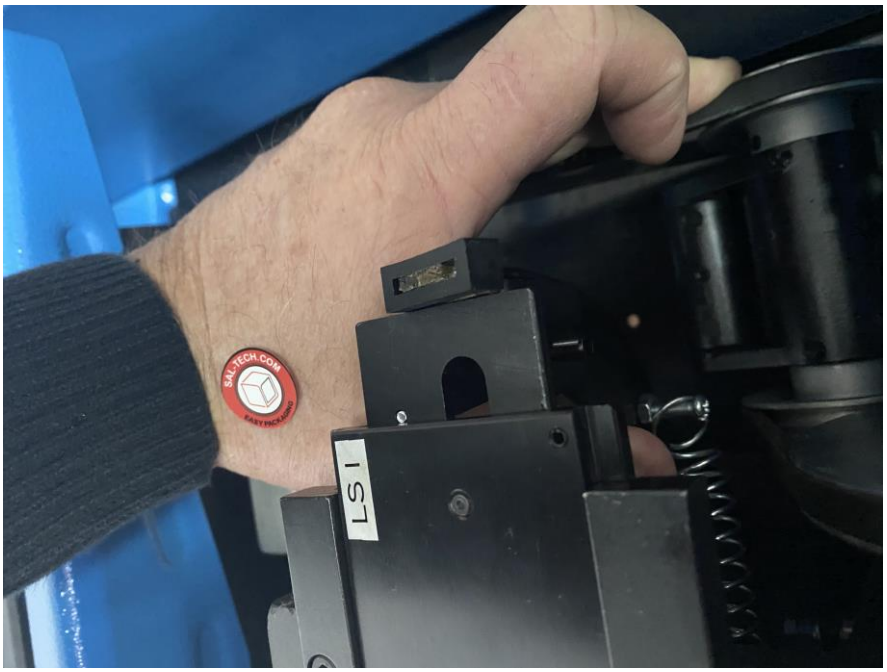
The full assembly of the separator unit consists off:

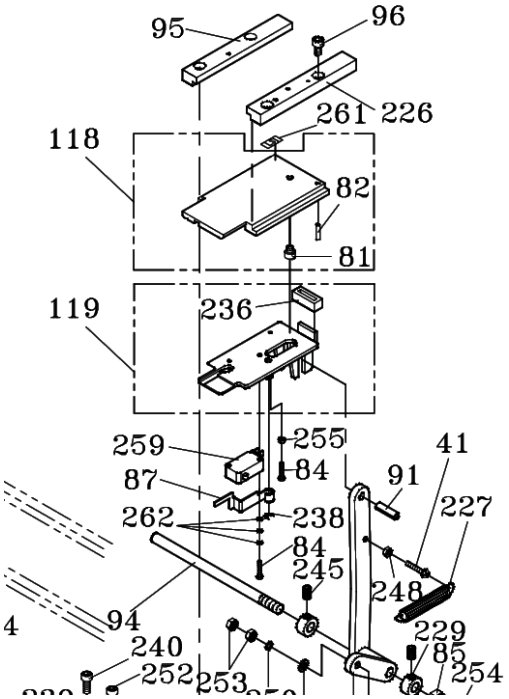


Position	Parts no.	Description	Qty
119	TA-083A	Separator Ass'y	1
84	TA-084 or PMS0315	Screw PMS, M3x15	3
87	TA-087	Switch lever	1
238	TA-238 or ER03	Snap Ring	1
255	HN03	Nex Nut HN, M3	1
259	TF-006	Micro Switch (LS-1, LS-3)	1
262	SW03	Spring Washer M3	6
Not shown	95292126	Cable Tie 2,5x120mm PA66 WHITE	1 NEW to buy

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To access the TA-083A separator you need to push arm TA-090 back until the two parts no longer interact, and then slide the complete unit out of the guides. DO NOT PULL the far back as you will damage the TB-114 Spring





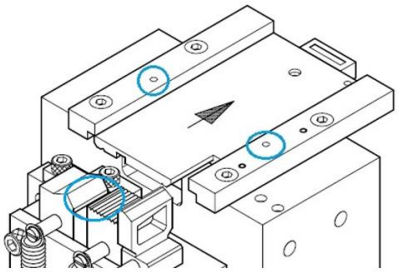
Once you have brought backwards and units have release you can bring the TA-083A full assembly up in a position where you can cut the cable strip (Remember to have or buy), see image page 3. Cut the cable strip, release the cable crimp terminals and the unit can be taken to the work desk, parts taken of and assembled onto new TA-83A Separator Ass'y (SUS). Once this done bring it back to machine, place the crimp terminals back in place and place a new cable strip, tighten and cut the access part.

6. Check if part needs replacement or others within same function group

Place the separator inside the TA-080 Slide and test that they run perfectly, this should be done both before and after adding the swap over parts for TA-083 full assembly. Add a drop off oil so the movement is easy. Once you are sure both parts TA-083A Separator and TA-080 Slide run well together and all elements fully re assembled place the unit in between the guides, pull back the arm TA-090 and align the pin TA-091 in the slot on the TA-083A Assembly. Let it slide back in. Test that the TA-114 Spring is still hard pulling and hasn't been worn out due to many cycles or access pulling back while assembling the Separator.

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After Installation of spare part, apply a few drops of Lubricating Oil (Daphne Mechanic or Equivalent) see blue circle, this is to ensure smooth and continues function of strapping/bundling



Keep the machine clean at all times. Never leave the machine uncleaned after use.

Do not leave any tools or parts of the machine, make sure to arrange and store them.
Ensure that the machine is protected by a cover (cloth/plastic) after use to protect from dust, dirt and fluids.

7. Test of machine af installation of new parts with old parts

Once the machine is assembled secure the machine is clean, oiled and is ready to run. Close the TC-043 Top Plate, secure the PP strap is on the top and not inside the machine. Plug the machine, turn on the main switch, let the machine warm up.

Secure the PP strap is loaded, the machine is warm, then do a test strap follow up 4-5 more times, to secure all is well.

8. Ordering spare parts:

Purchase planning when exchanging the TA-083 Separator (SUS).

Link to order TA-083A:
https://hallbrookcomponents.com/tp-202-semi-automatic-strapping-machine/4031-ta-083a-separator-assy-sus.html

We advise to secure or order the following parts as well:

- TA-080 Slide
- 95292126 Cable Tie 2,5x120mm PA66 WHITE or sign up for newsletter and get our service kit support bag for free:



Also a good idea to check if any of these typical wear parts are up for exchange:

- TB-143 Round Belt (needs exchange every 4-6 years depended of climate conditions)
- TB-113 Heater Set (needs exchange every 3-5 years depends, usage and of PP strap quality and how often the heater is cleaned)
- TF-021 (if 110V) or TF-021-1 (if 230V) (Depends usage, on cleaning and PP strap quality)

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9. Hallbrookcomponents.com 24/7 support and contact information

Hallbrookcomponents.com part of Salbæk Technology Group that operates worldwide with office in Many countries. Our 24/7 support and hotline via these channels:

- Email: support@hallbrookcomponents.com
- Zendesk: On our websites https:\\hallbrookcomponents.com
- Skype. Easy.packaging
- Denmark phone: +45 – 7027 2220 or 3695 9804
- USA phone: +1 – 310 773 3423
- Spain phone: +34 – 699 900 987
- Italy phone: +39 – 351 988 0682
- Sweden phone: +46 – 31 799 5398
- Philippines phone: +63 - 916 777 5299
- Hong Kong phone: +852 - 8170 1025

Always check the web for latest or updated phone numbers.



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