

# Technical Advisory Bulletin (TAB)

Bulletin #: TBMELCO030A

September 21, 2020

Product: EMT16 X, BRAVO II

Implementation: ☐ Urgent ☐ Mandatory ☒ As Required ☐ Info Only

Reference: EC3412

---

**Subject:** Needle Case 4Pack Design Update

---

## SITUATION:

---

Melco has implemented several improvements to the design and manufacturing process of the 30660-06 Needle Case 4Pack. The current design of the 4Pack required insert molding of brass bushings, which required secondary operations to allow for smooth movement of the Needle Bars in the 4Pack. Design and process limitations in molding the part required secondary rework operations to ensure the 4Pack could properly be mounted in the Needle Case Assembly. Combined manufacturing process and resulting quality issues required additional operational steps during assembly of the 4Packs into the final Needle Case Assembly to ensure needle alignment accuracy within Melco's specifications.

## SOLUTION:

---

Melco updated the design, material, and manufacturing process for the 4Pack. The new part number is 35353. The updated part is now manufactured as a machined die cast aluminum part. Brass inserts are no longer required due to the special aluminum used for this part (same material that was used for the old Melco EMT model Needle Cases). Features and functions of this new Needle Case 4Pack are the same as with the old 4Pack, except for the elimination of the needle position index tabs.

The old 30660-06 Needle Case 4Pack has been eliminated but can still be ordered from the supplier, if required.

The new 35353 4Pack has been implemented in machine and spare parts production as of middle of June 2020. Machine implementation serial numbers are as follows:

- EMT16 X: 411050
- BRAVO II: 340362626

Part numbers for spare assemblies have changed as follows:

- 35295-01 Needle Case Sub Assy, EMT16X, changed to 35295-02
- 34588 Needle Case Sub Assy (for BRAVO), changed to 34588-01

Existing inventory of updated part numbers will be used up.

## RECOMMENDED ACTION:

---

The new 35353 Needle Case 4Pack is fully backward compatible with all AMAYA models, except for the old red and white models (which require the Needle Case position index tabs on the 4Pack), as long as all four 4Packs in a Needle Case are switched to the new 35353 4Pack.

**IMPORTANT:** The new 35353 4Pack cannot be mixed with the old 30660-06 4Pack in the same Needle Case Assembly. If a 30660-0x 4Pack needs to be replaced on an existing machine, Melco strongly recommends to replace it with the complete new Needle Case Sub Assembly, PN 35295-02 or 34588-01. Melco does not recommend the replacement of individual 4Packs within the Needle Case, unless individuals performing this operation have been fully trained and certified by Melco on this specific operation, due to potential risk and impact of Needle position accuracy and subsequent effects on machine accuracy and reliability.