



Yamaha Marching Toms and Randall May Free Floating Lug Bridge™



ASSEMBLY INSTRUCTIONS

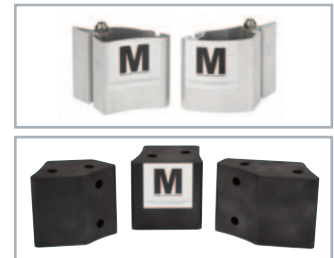


PRE-ASSEMBLY

Materials needed for assembly:

- Phillips screwdriver
- $\frac{7}{16}$ " Adjustable wrench (ratcheting socket wrench preferred)
- FFLB™ = Free Floating Lug Bridge
 - Metal bridges are pre-installed and take the place of a normal lug casing.
 - Black spacers are pre-installed onto shells.

⚠ Please be careful when using tools.

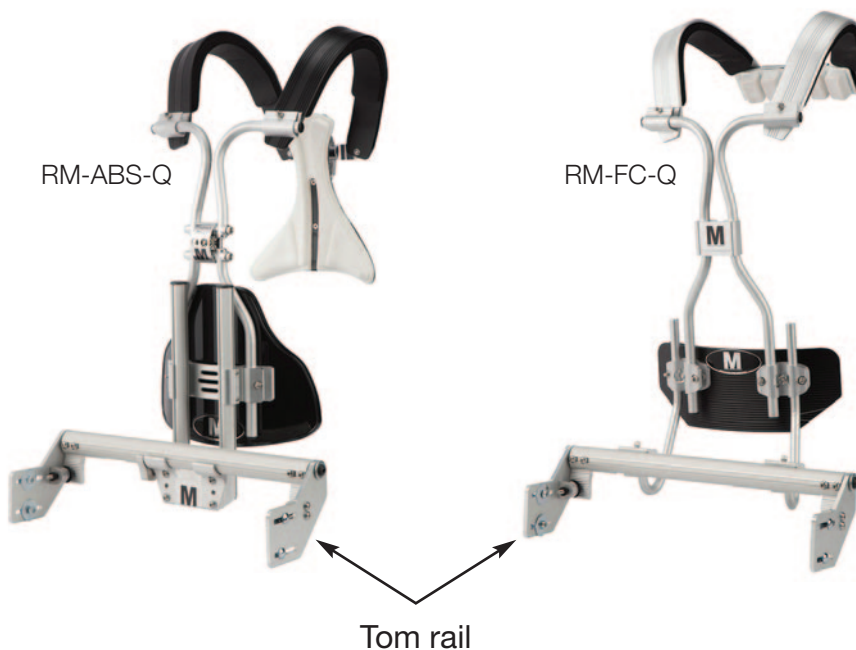


Bridges (top) and spacers

Have you ordered a carrier with the drums?

✓ **YES:** Assembly can proceed.

⚠ **NO:** Assembly CANNOT proceed. The carrier's tom rail is essential for continuing the assembly of these drums.



ASSEMBLY

1

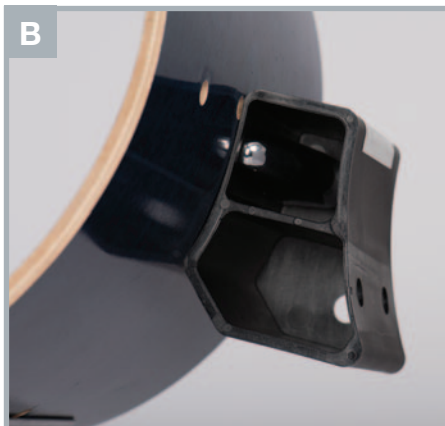
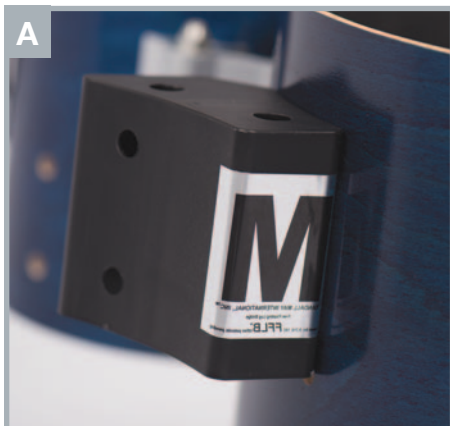
Open boxes.

- Remove the drum shells from the smaller boxes.
- **Do not open bag of extra parts — save for later.**
- Set aside heads, rims and tension rods for later assembly.

2

Find your marching tom configuration (pg. 5-8) and refer to it for assembly.

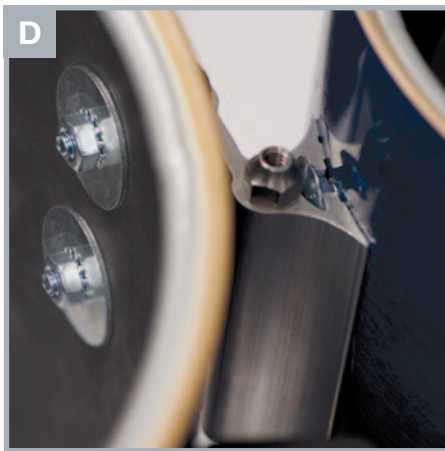
- FFLBs have been pre-installed on your drums (image A).
- Lay out the shells as shown in the configuration diagram.
- Nestle the Yamaha lug casing inside the FFLBs (image B).
- Attach the casing to the shell utilizing the black screws and washers.



3

Attach the 6" or 8" space spock drum.

- Your extra 6" or 8" or both will have a pre-installed metal bridge (image C). These bridges take the place of the regular Yamaha lug casing.
 - Attach the metal bridge to the corresponding shell as shown in your configuration diagram.
 - Locate the bag of bolts, washers and nuts with sprocket (image D).
 - Place your 6" or 8" or both on a flat surface within your drum array configuration so you can connect them to the correct corresponding shell.
 - Insert the bolts through the holes in the shell.
 - Slide the channel of the bridge down the bolt head.
 - Fasten the nut on the inside of the shell (image D).
- ⚠ **NOTE:** The height of the bridge is important. Image D shows the top half of the bolt head. This is the ideal height for the bridge on both shells.



4

Attach the back rail to the outer drums.

- Locate the bag of bolts, washers and nuts *without* the sprocket.
- Insert bolts into the opening channels on both sides of back rail (images E and F).
 - The bolt head should face out of the channel.
 - Place the washer on the bolt and loosely tighten the nut.
- Repeat on the other side (try to insert both sides of the rail simultaneously so that it's even).
- Once the rail is in place, tighten using the $\frac{7}{16}$ " wrench.



Assembly before back rail.

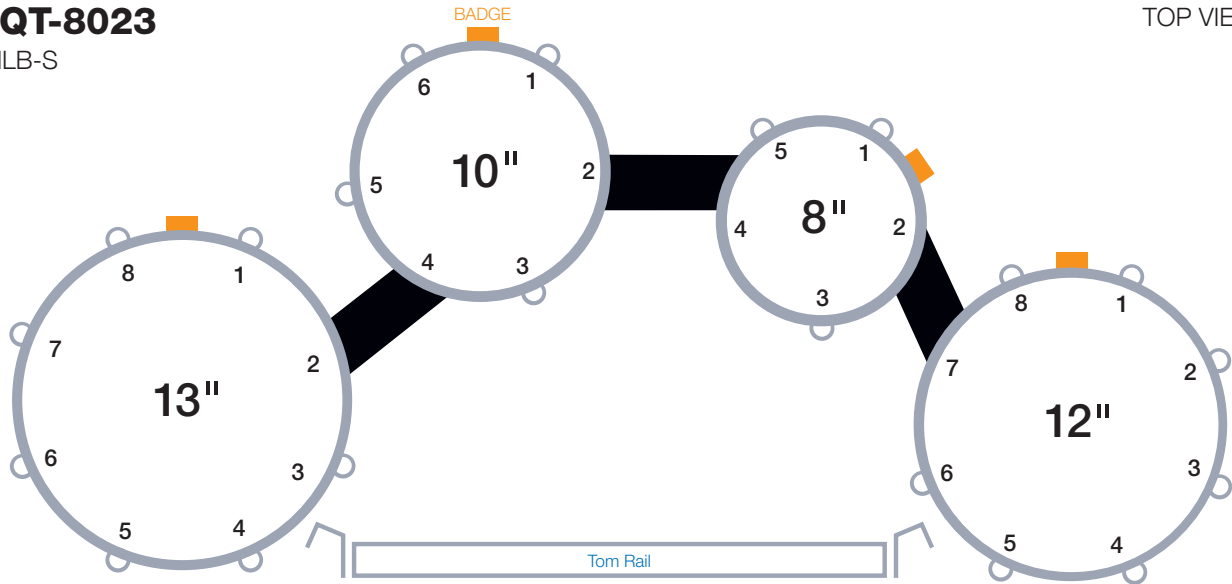


Assembly with back rail. Images show drums without heads, hoops and tension rods.

MQT-8023

RMLB-S

TOP VIEW



Lug casings that should be inserted into FFLB:

8": 2, 4 12": 7
10": 2, 4 13": 2

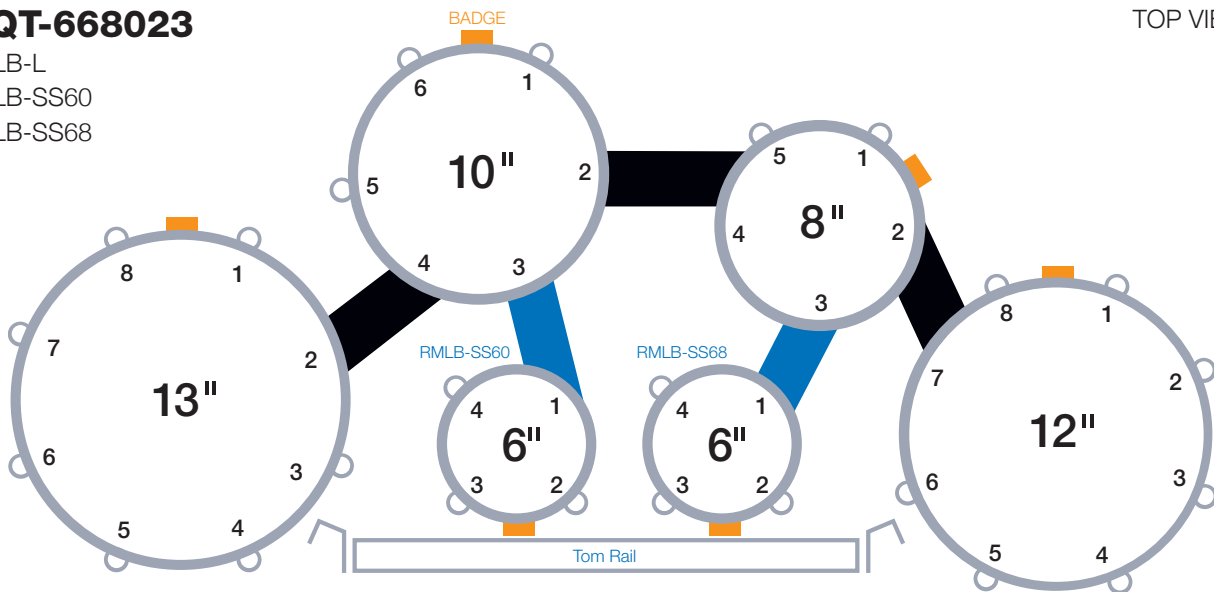
Lug casings replaced with metal bridge:

12": 6
13": 3

MQT-668023

RMLB-L
RMLB-SS60
RMLB-SS68

TOP VIEW



Lug casings that should be inserted into FFLB:

8": 2, 4 12": 7
10": 3, 5 13": 2

Lug casings replaced with metal bridge:

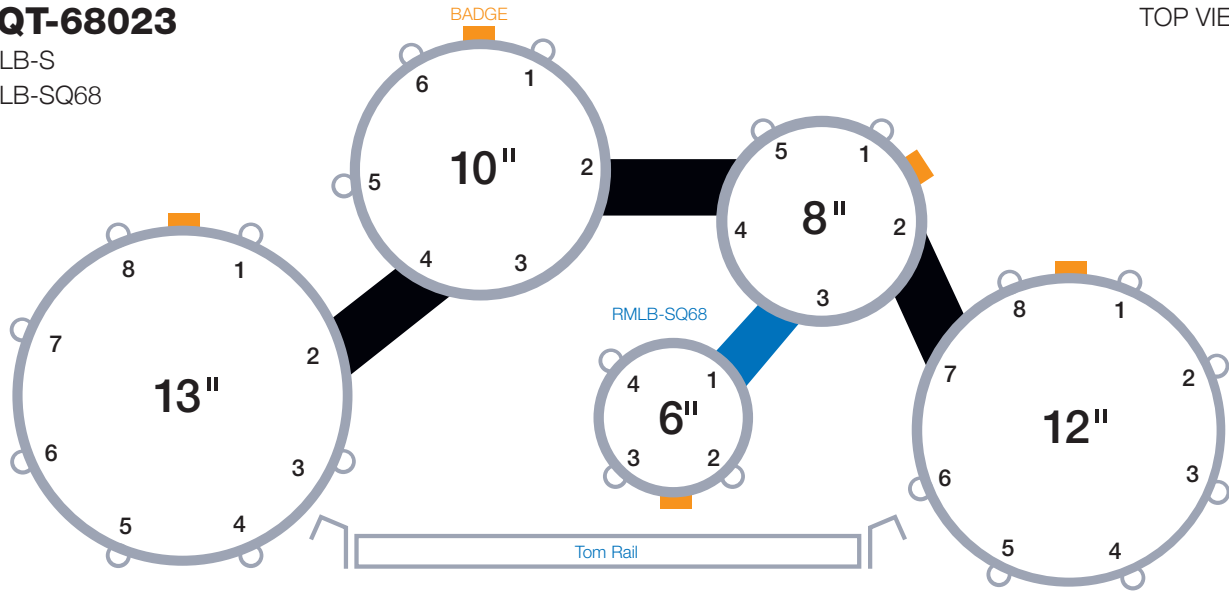
6": 1 L12": 6
6": 1 L13": 3

NOTE: The badge on the 6" drums should face the rail or the player side (as close as possible).

MQT-68023

RMLB-S
RMLB-SQ68

TOP VIEW



Lug casings that should be inserted into FFLB:

8": 2, 4 12": 7
10": 2, 4 13": 2

Lug casings replaced with metal bridge:

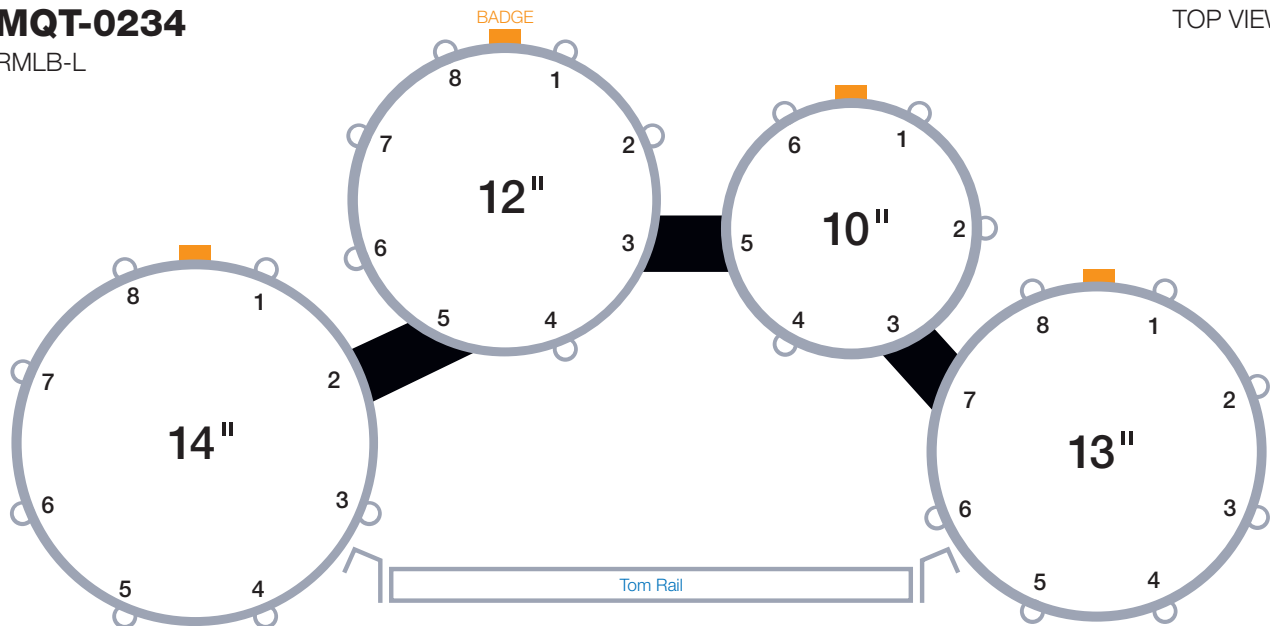
6": 1 12": 6
8": 3 13": 3

NOTE: The badge on the 6" drums should face the rail or the player side (as close as possible).

MQT-0234

RMLB-L

TOP VIEW



Lug casings that should be inserted into FFLB:

10": 3, 5 13": 7
12": 3, 5 14": 2

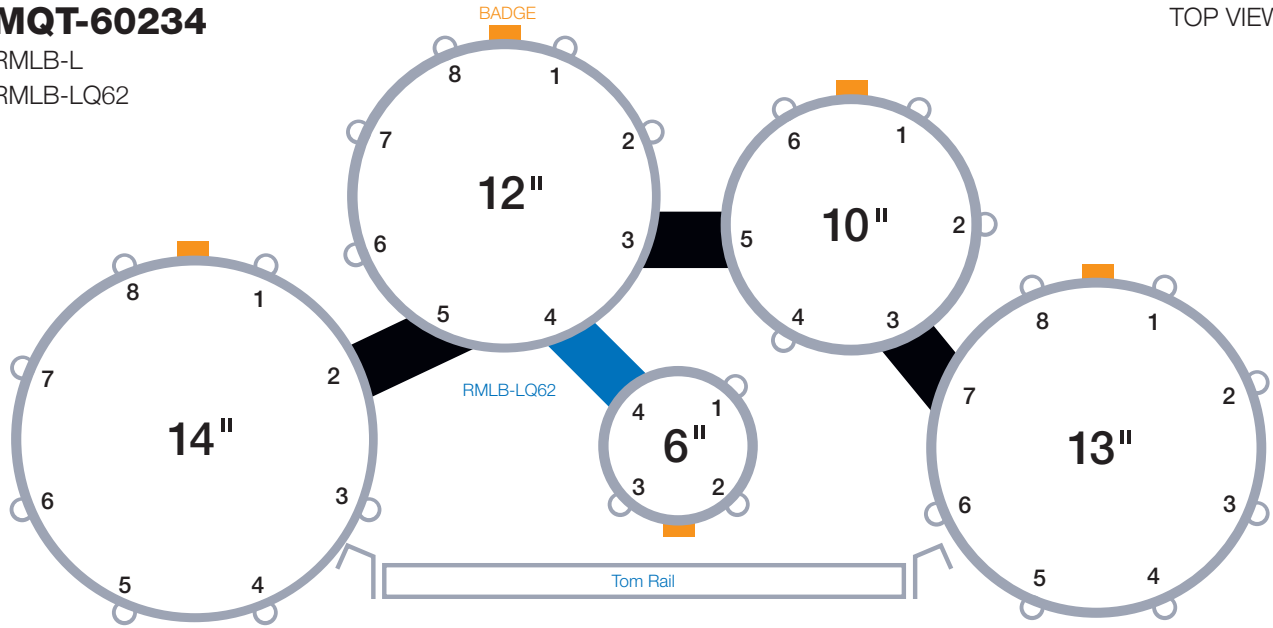
Lug casings replaced with metal bridge:

13": 6
14": 3

MQT-60234

RMLB-L
RMLB-LQ62

TOP VIEW



Lug casings that should be inserted into FFLB:

10": 3, 5 13": 7
12": 3, 5 14": 2

Lug casings replaced with metal bridge:

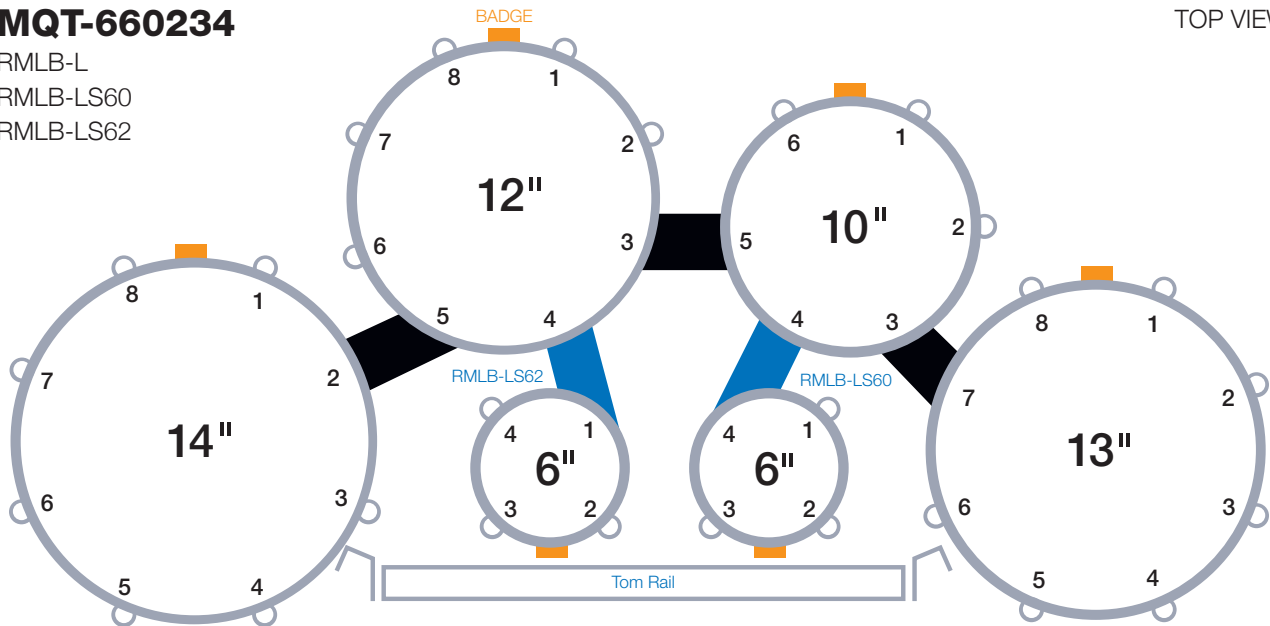
6": 4 13": 6
12": 4 14": 3

NOTE: The badge on the 6" drums should face the rail or the player side (as close as possible).

MQT-660234

RMLB-L
RMLB-LS60
RMLB-LS62

TOP VIEW



Lug casings that should be inserted into FFLB:

10": 3, 5 13": 7
12": 3, 5 14": 2

Lug casings replaced with metal bridge:

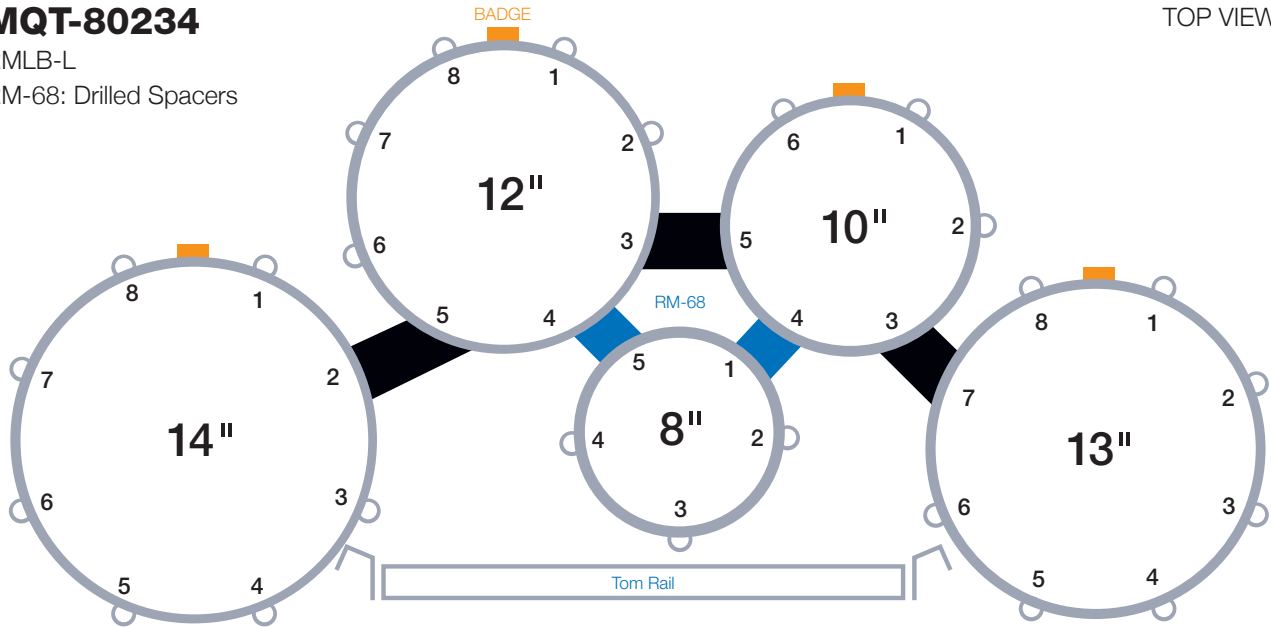
6": 4 6": 1 13": 6
10": 4 12": 4 14": 3

NOTE: The badge on the 6" drums should face the rail or the player side (as close as possible).

MQT-80234

RMLB-L
RM-68: Drilled Spacers

TOP VIEW



Lug casings that should be inserted into FFLB:

10": 3, 5 13": 6, 7
12": 3, 5 14": 2, 3

Lug casings replaced with metal bridge:

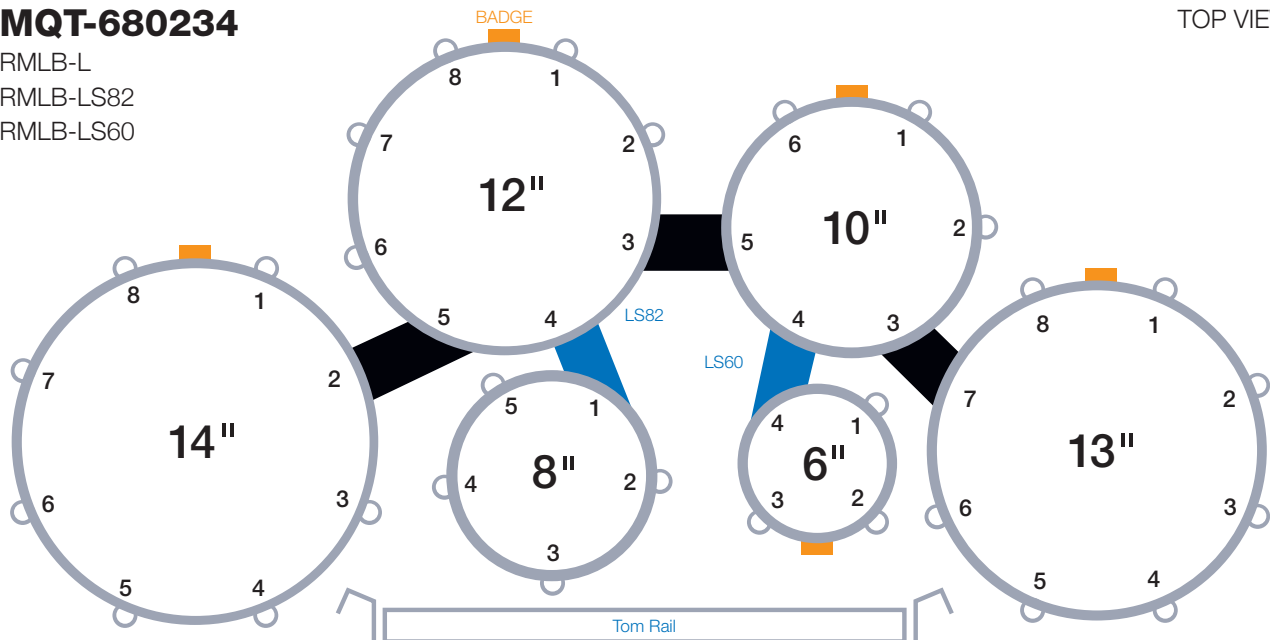
13": 6
14": 3

NOTE: This configuration will be drilled for the 8" to attach on the 10" and 12".

MQT-680234

RMLB-L
RMLB-LS82
RMLB-LS60

TOP VIEW



Lug casings that should be inserted into FFLB:

10": 3, 5 13": 7
12": 3, 5 14": 2

Lug casings replaced with metal bridge:

6": 4 10": 4 13": 6
8": 1 12": 4 14": 3

NOTE: The badge on the 6" and 8" drums should face the rail or the player side (as close as possible).

Inside back cover (blank)



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