



## ELAUT nv/sa

Passtraat 223

B-9100 Sint-Niklaas

Belgium

Tel: +32 3 780 94 80

Fax: +32 3 778 05 61

Website: [www.elaut.com](http://www.elaut.com) E- mail: [support@elaut.be](mailto:support@elaut.be)

### Service bulletin: renewal moving scrapers for Mistral WOZ (MKII)

Estimated time: 45 min

Needed tools: screwdriver and/or power drill

Needed parts: 6 x article 4249.0090 (scraper low 209 mm x 32 mm)  
6 x article 4249.0091 (scraper high 209 mm x 36 mm)  
12 x article 5349.0069 (U-profile 207 mm)



*Please take all the necessary safety- and ESD precautions before starting the job.*



**PROBLEM :** The moving scrapers of each playfield allow tokens and/or cards to crawl underneath. After a while, this results in the moving plate being blocked.

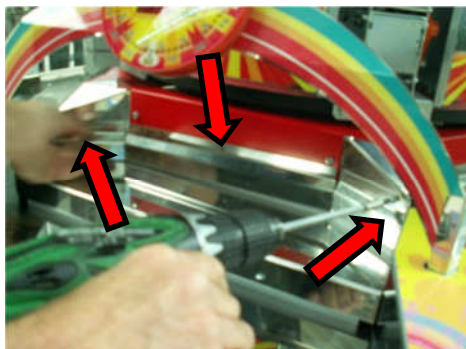
**Here's how to replace the existing scrapers by an improved version.**



Go inside the machine and unscrew the big bolt that fixes the moving plate to the driving rod.

You will notice that this is not the most accessible part. Be careful not to bump your head.

Between the 'rainbow' and the moving plate, unscrew the 3 bolts that hold the static scrapers. Keep these white scrapers (1 long & 2 short ones) for later re-use.





Pull the moving plate out of the gantry.  
Then turn the moving plate on its head.

Take the 2 white scrapers out of the slot.

**It is very important to clean the slot  
before putting the new scrapers into place.**

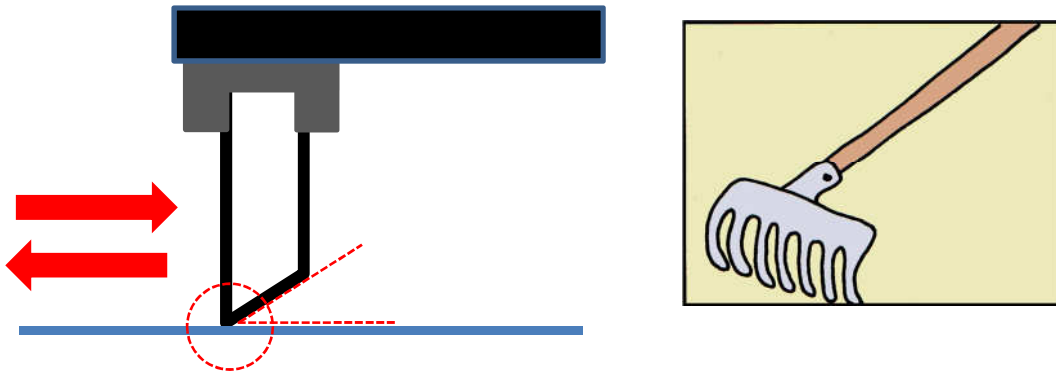


**Now we're ALMOST ready to put the 2 improved scrapers  
(with U-profile) in the slot.**



# ALMOST... because before doing so, you should pay close attention to the following :

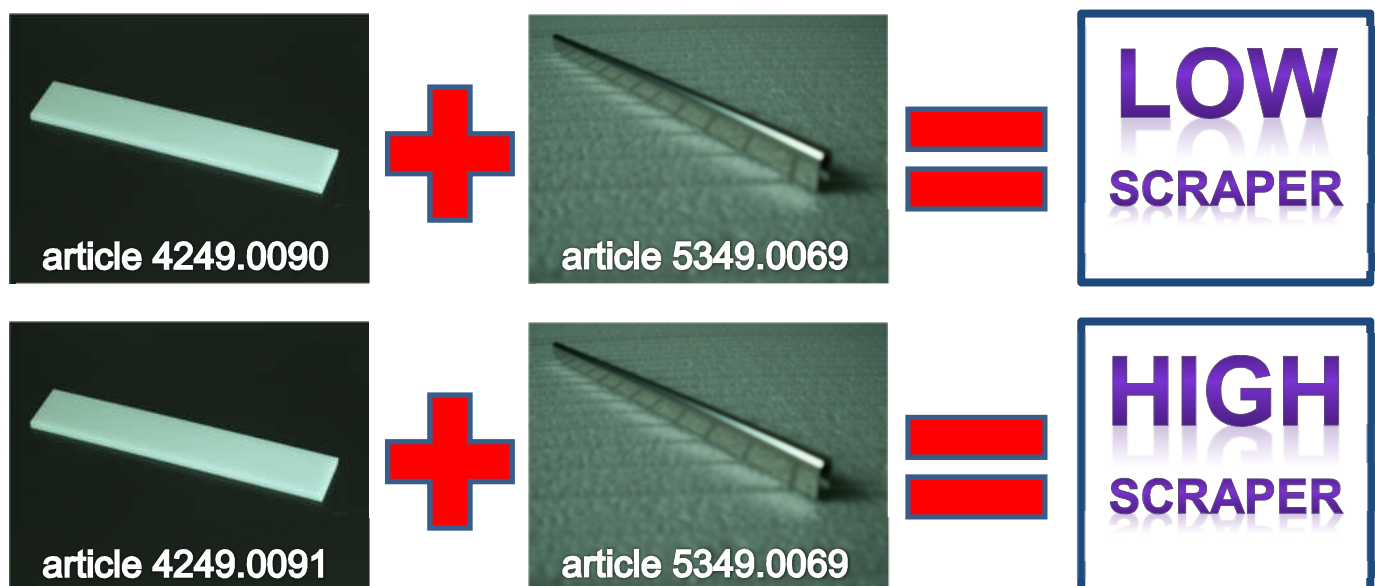
1. the slots should be emptied of any dust and dirt, so the scrapers have enough slack to move freely and without any friction within the slots
2. the scrapers' profile is not symmetrical, make sure to watch their position



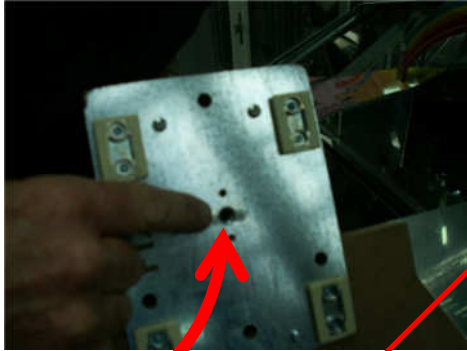
3. because of the moving plates, each Mistral WOZ has high & low playfields — hence these alternating playfields need corresponding scrapers:

MISTRAL 6 player							MISTRAL 3 player			
player	1	2	3	4	5	6	player	1	2	3
playfield	low	high	low	high	low	high	playfield	high	low	high
scrapers	high	low	high	low	high	low	scrapers	low	high	low

4. this is how you prepare the 2 different scrapers:



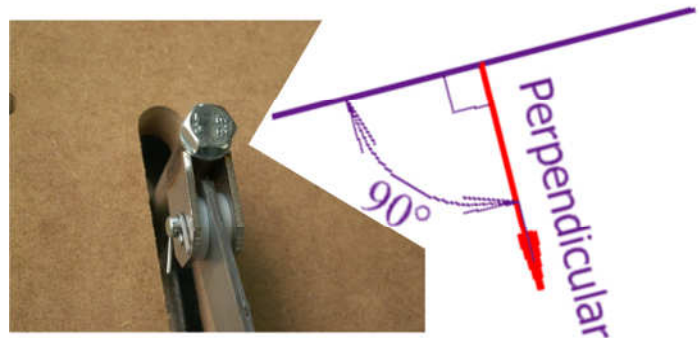




Once all 12 scrapers are put (6 low + 6 high), it is time to re-insert the moving plate.

Next you position the moving plate until the big bolt can be screwed back.

Important notice: when screwing the big bolt tight, the driving rod and the moving plate should remain perfectly perpendicular at all times.



At this point you put back the 3 static scrapers, that we put aside earlier on.  
**AGAIN: the scrapers' profile is not symmetrical, make sure to watch their position.**

Fix those 3 static scrapers with the 3 bolts.

Your machine is now ready for trouble-free operation.

