

V31 Bicycle Assembly



1. Final Task Assignment

The task consists in assembling a Women's city bike. Some of its parts may be pre-installed in order to facilitate the work of contestants.



Category of the model to be used during the competition

Summary of the main assembly steps:

- Installation of the bicycle drive, of the crankset and pedals,
- Installation of the derailleur gears,
- Installation of the chain,
- Installation of the fork, of the stem and of the handlebars,
- Installation of rim brakes on both the front and the back wheel,
- Installation of the seat post and the saddle,
- Installation of the cables and their sheaths,
- Adjustment of any buckling or axle problems,
- Assembly of air chambers and tires,
- Installation of the lights, the mudguards, the carrier rack and any other accessories,
- Installation of the wheels,
- Adjustment of all systems.

2. Allocated Time: 4h30

4 hours and 30 minutes of competition.

3. Requirements

- Contestants must respect the rules of safety and hygiene.
- A model bike will be available for about 30 minutes before the beginning of the competition, after which it will be hidden from contestants.
- Once they have adjusted the buckling of the wheels, contestants will notify the jury for evaluation and carry on with the installation of the remaining parts.

4. Procedure

Day -1 (March 24th): On the day before the competition, contestants will be welcomed on the contest stand by members of the jury. A briefing about the organization of the competition and the safety rules will be arranged. Due to the large number of registered contestants, the competition will be organized in two groups.

Day 1 (March 25th): Group n°1 will have 4 hours and 30 minutes to complete the task. Group n°2 will go on an organized trip.

Day 2 (March 26th): Group n°2 will have 4 hours and 30 minutes to complete the task. Group n°1 will go on an organized trip.

Caution: any contestants from group n°2 caught observing contestants from group n°1 as they compete will suffer a minimum penalty of 5 points.

Composition of the groups

GROUP 1 : 5 contestants	GROUP 2 : 4 contestants
France, 1 contestant	Australia, 1 contestant
Taiwan, 1 contestant	Hong Kong, 1 contestant
Korea, 1 contestant	India, 1 contestant
China, 1 contestant	Singapore, 1
Austria, 1 contestant	

N°	5. Evaluation criteria	Scoring Scale
01	Respect of the rules of safety, hygiene and waste sorting management	3
02	Method and organization of the work station	7
03	Correct assembly of the derailleur gears	7
04	Correct assembly of the chain	3
05	Correct assembly of the front braking system	5
06	Correct assembly of the rear braking system	5
07	Correct assembly of the stem and the handlebar	3
08	Correct assembly of the seat post and saddle	3
09	Correct alignments of the handlebar, the seat post and the saddle	4
10	Correct assembly of the crankset and pedals	5
11	Precision of the adjustment of wheel buckling and of wheel alignment	7,5
12	Precision of the adjustment of both axles	7,5
13	Correct assembly of the front air chamber and tire	5
14	Correct assembly of the rear air chamber and tire	5
15	Correct assembly of the cables and sheaths	5
16	Correct assembly of the lighting system	3
17	Correct assembly of the mudguards, carrier rack and accessories	2
18	Quality of the adjustments of the gear shifting systems	7
19	Quality of the adjustments of the braking systems	8
20	Complete assembly and adjustment of the bike within the allocated time	5
TOTAL POINTS		100



Abi wishes you a good competition!