



**HERCULES**  
CARPARKING SYSTEMS

1800 649 603  
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# Hercules Turntables

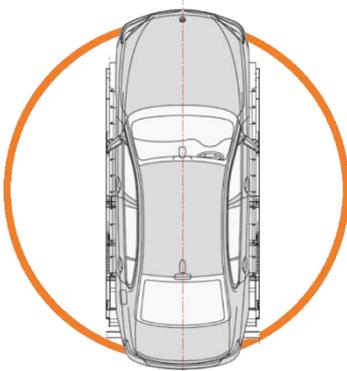
## Operation & Maintenance Manual



Last revised: April 2019



# 1. Introduction



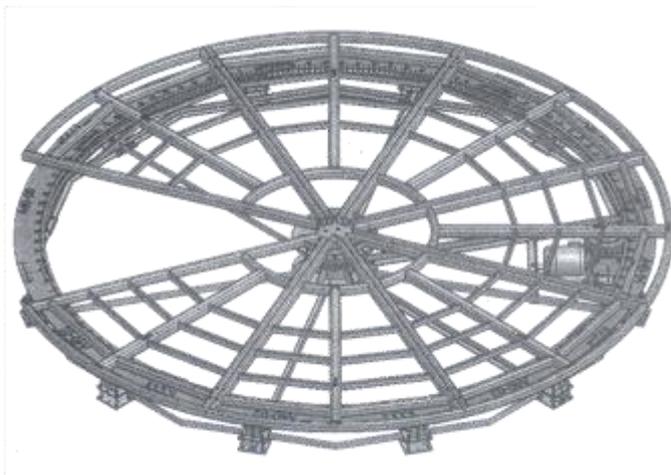
Car turntables are an affordable driveway solution which can be installed quickly and efficiently to solve steep driveway issues and small access locations, or for car exhibition to create a dynamic environment to help draw attention to your automotive display. Together with car parking solutions, it can be installed where residences have multiple cars yet insufficient garage space.

Our turntables add significant value to your property and provide a safe solution to residences located on busy roads. Different surface finishes are available for your different requirement. Our turntables can be totally customised on diameter, capacity, and coverage of platform to meet individual building requirements.

## 1.1. System information

- The key feature of these car turntables is the Pin-Gear drive mechanism that ensures smooth revolving, reliable operation, long life and minimal wear and tear.
- Suitable for display, driveway, garage and automotive technical centre.
- The equipment place of use does not allow having flammable explosive medium;
- The control box must be placed in a dry environment.;
- Flatness of equipment installation ground is +/- 10mm
- Surface possibilities: MDF Board, Plywood, Aluminium Alloy, Steel Plate. Stainless Steel, Concrete

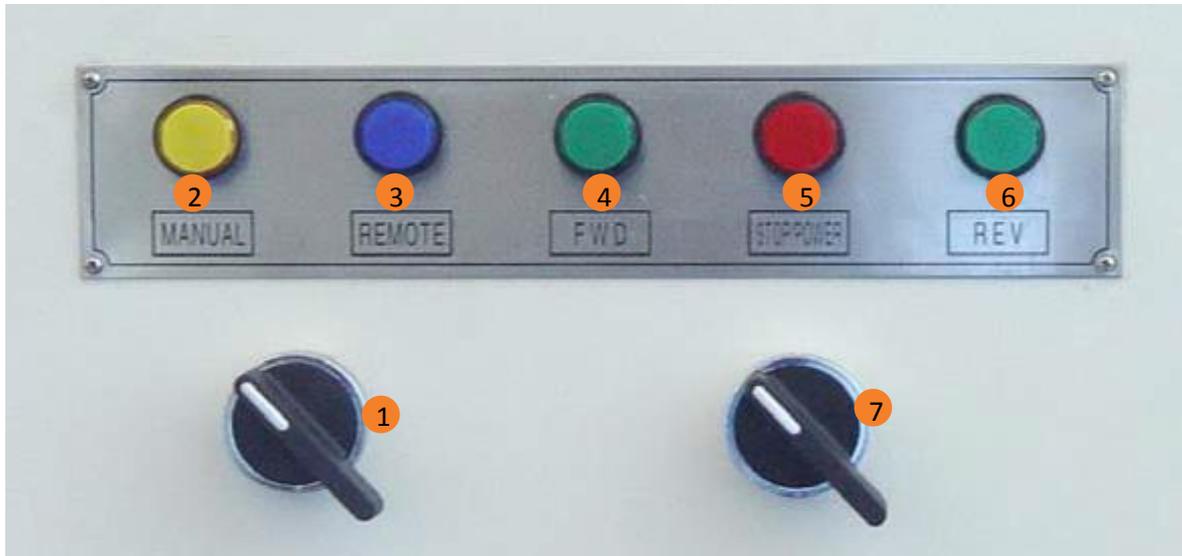
## 1.2. General Parts



1. Centre Bearing
2. Motor
3. Support Wheel
4. Structure



## 2. Operation Procedure



1. Operation mode switch 2. Manual mode indicator 3. Remote mode indicator 4. Forward 5. Stop/Power Indicator 6. Reverse 7. Operation switch



Before operating the machine, ensure there are no persons nearby or in contact with the machine. Ensure there is nothing blocking the turntable.



Confirm that Switch #7 is pointing towards #5 *Stop / Power* and Switch #1 is pointing towards #2 *Manual* if using it in Manual Mode, or #3 *Remote* is using it via a Remote Control.

### Manual Mode:

Drive your car onto the platform, make sure all 4 wheels are on the turntable. Exit the car and turn Switch #7 towards #4 *Fwd.* to move the car forward, or #6 to reverse. Once the car is in the correct position let go of Switch #7 and it should return to #5 *Stop / Power*.



### Remote Mode:

Drive your car onto the platform, make sure all 4 wheels are on the turntable. Make sure Switch #1 is pointing towards #3 *Remote* on the control panel. Press *Fwd.* or *Reverse* on your remote, let go of the button once the car is in the correct position.



## ATTENTION ALL USERS

- ONLY TRAINED USERS CAN OPERATE THE EQUIPMENT. Please contact your Owner's Corporation to have training organised.
- Before operating the equipment, ensure there are no people in the vicinity of any of the moving parts of the machine.
- No one is to enter the area except for the driver of the car.
- When parking, use caution. Slowly drive onto the platform into the correct parking position, turn the car off, engage the handbrake, close all windows and close all doors.
- If there is any abnormal operation of the machine, please contact our office on 1800 649 603.
- The system is not to be used by any drivers who are under the influence of alcohol, drugs or any other illicit substances.
- Hercules Carparking Systems will take no responsibility for users parking cars not suitable for the system and causing damage or failure of the system.
- No flammable goods are to be used or stored around the equipment.

### 3. Maintenance Checklist

- ✓ General condition of machine
- ✓ Check if an abnormal noise exists during the operation
- ✓ Check if the motor drive has abnormal sound and vibration
- ✓ Check if the control instrumentation works well
- ✓ Check if there is any blocking during the operation
- ✓ Check oil level
- ✓ Check if there is oil leakage
- ✓ Clean the dust
- ✓ Check the coupling
- ✓ Replace lubrication oil
- ✓ Synthetic oil replacement cycle of 20,000 hours, no more than 4 years
- ✓ Check there is no water in the motor pit.



## 4. Basic Troubleshooting

Issue	Reason	Solution
Remote is not responding	Low Battery	Change the battery
	Something blocking the signal	Remove the item blocking the signal
	Out of Range	Move closer to the control panel
Clock the DK, there is no response on the inverter	Power cable is not connected or has a wrong connection	Check the power cable and its connection
Inverter displays however the turntable does not respond	Inverter Fault	Check wiring diagram to bypass
Turntable still moves forward slightly after the turntable is finished revolving	The distance of the drive gear and the pins is too far	Adjust the distance between the drive gear and the pins
There is shaking during the turntable revolving	Support wheels or main drive device is not placed firmly	Use concrete anchors on the base plates of the support wheels and the main drive base plate
Something is stopping the turntable during the revolving	There is an obstacle	Remove the obstacle
Top surface is shaking during the turntable revolving	Bolts on top surface are not fastened	Tighten the bolts on top surface
Noise is coming from the turntable wheels	Bearing is damaged	Change the bearing
Motor drive has abnormal operation, noise, severe vibration	Oil level is low	Check oil level, replenish lubricant
	Impurities in the lubricating oil	Clean the transmission reducer, replace the oil
	Increased bearing clearance or bearing failure	Check bearing
	Fastening bolts are loose	Tighten all bolts and nuts
Leakage from cabinet or motor	The rubber strip on the vent valve does not pull out, resulting in too much pressure within the gear motor	Pull out the rubber strip
	Vent hole in the breather valve is blocked	Clean vent hole
	Seal or seal cover failure	Replace Seal or seal cover
	Sealing surface bolts are loose	Tighten all bolts and nuts
	Drive shaft wear	Replace reducer
Leakage from breather valve	Oil level error	Check & adjust vent valve & oil level
	Contaminated oil	Replace with new oil
Motor and reducer overheating	Oil level error	Check and adjust oil level
	Lubricant failure	Replace new lubricant
	Dusty motor drive surface	Clean motor drive surface