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Master CODE Training Instructions

This training checklist is intended to ensure that you, the customer, have been sufficiently instructed on the proper usage, maintenance, and repair (where applicable) of your new Corghi tire changer. If you are unsatisfied with the training you received, please contact Corghi USA and ask to speak to the Sales Manager in charge of your region.

Thank you for choosing Corghi!

Serial Number _____

**This form must be filled out completely with signatures and returned to Corghi USA
A copy will be mailed to the customer**

Please check the appropriate box for each section that you were instructed on.

PRE-INSTALLATION:	Initial	Comments:
Check that the laser is not in the path of direct sun light		
Check that customer's outlet power is steady		
Check that the customer's air supply is free of water and that the pressure does not drop below 120PSI. (If it does the unit will not function properly during the "automatic cycle")		
After maneuvering the unit into its final working place, dismount the ring used to lift the machine and mount the articulating arm stopper. Double check that the machine is level.		
Adjust the bottom foot on the back side of the machine		
Configuration for the first time the machine is switched on:		
Switch on the machine RESET icon will appear. Appears when the machine is switched on and the program is loaded. Press it to reset the machine. Note: We always suggest proceeding with this operation with the wheel lift on the floor or in the working position. Make sure to not to have any wheels on the turn table during this step.		
Set Language: First icon in the menu		
Set Date and Time: Useful for the maintenance activities (in the menu)		
Set preference for tire pressure unit of measure: In the menu you can set either bar, psi, or kpa		
Reset maintenance calls: This must be reset by the installer. Go into "menu" then "service" and enter the password 2011. This is used to reset all of the counters to "zero" for the programmed maintenance		

Check the following functions:		
Lifter: Check that the alarm turns off when the lift is all the way up or down. It should only sound while in motion.		
Console Automatic lubrication buttons: Check that the liquid lubricant sprays when activated.		
Emergency stop procedure Red mushroom push button switch on the control panel: Check that the “emergency stop” system works. The unit should stop but not power off, you can reset it by turning the switch.		
Standard procedure training:		
Bead Breakers: Upper and lower bead breaker with controlled penetration, this allows for more control and optimizes the bead breaking procedure especially on soft side wall tires. Direct lubrication of the bead gives optimization of the bead breaker penetration movement. This allows for easier bead breaking especially on low profiles.		
Turntable: Electro-mechanical locking system-Provides more safety for the operator, less risk to damage weak rims, improved locking and unlocking speed		
Touch Screen Icons:		
Camera– Activates the camera, from the main menu or during automatic cycle.		
Menu – Includes all of the information and settings, language, video, manual, sw version and database, options, service (access only with the password), date and time, touch screen calibration, laser and sensors calibration		
Temperature Sensor – When equipped activates the temperature sensor		
Thread probe – When equipped activates the tread depth probe		
TPMS –Not available in USA		
Inflatron – When equipped activates the inflatron system (automatic inflation procedure)		
Recall last wheel changed – Recalls all measurements taken from the previously measured wheel. This saves the user some time because only 1 in a set of 4 will need measured.		
Standard wheel – Select this icon before entering the automatic function. This is the standard bead breaker starting point.		
Run flat wheel (RFT-UHP) – Select this icon before entering the automatic function, this modifies the bead breaker starting point to accommodate run flat tires.		
Soft sidewall wheel – Select this icon before entering the automatic function, this modifies the bead breaker starting point to accommodate soft sidewall tires or “balloon tires”		
Wheel – This is to manually enter the wheel diameter if needed		
Arrow (Up & Down) – Increase/decrease wheel diameter (inches)		
Small arrow (Up & Down) Increase/decrease diameter in tenth of an inch		
USB port – Located on the back side of the control unit, used for updates		

Touch screen calibration – This is used to calibrate the sensitivity of the touch screen. DO NOT use anything other than your finger		
Console Main Joystick button – Slows the speed of the up & down movement of the mount/demount head. This helps the user get the head closer to the right working position without over shooting and causing damage to the wheel or tire.		
MESSAGES:		
Wheel lift in motion – This only appears while the lift is in motion and not in the down or working position.		
“Leverless” – Appears when the leverless function is activated and the finger is curled. The bottom bead breaker is automatically moved down to avoid contact with the wheel		
Low Pressure – Appears when the pressure is lower than 7.8 bars or 100 psi. When the “low pressure” message is displayed, it is not possible to work with the automatic cycle.		
No Scan – Automatic wheel diameter acquisition failed. This will appear on step 1 if the laser doesn’t detect the edge of the rim. Rotate the wheel and try again with step 1. NOTE: if the automatic wheel diameter acquisition fails, you must enter the dimensions manually.		
No lubrication system: The Master Code’s air cylinders are assembled with long life lubricants so that they don’t require any maintenance. This eliminates the oil that is normally sprayed into the air. There is also no risk of damage to the cylinders due to customer neglect of filling the standard oiler.		
Lubricant for beads: The one gallon lubricant bottle is located on the back of the machine. NOTE: for proper functioning and warranty purposes, use only the factory lubricant in this system, Corghi part number 3-00504.		
Clad Wheels: On ultra light or ultra thin center cap rims, it is recommended to use the close center rim kit Corghi part number 8-11100087, refer to the operator’s manual		
Emergency Procedure:		
Releasing the locking pistol (lock pin) – If there is loss of power or another emergency that constitutes the removal of the wheel, it is possible to unlock the pistol manually. Inter an 8mm allen key or pin into the pistol handle and turn the pistol 90 degrees counter-clockwise. NOTE: The pistol is under pressure while locked, manually releasing it will cause it to “pop” upward. Take caution to stay clear during this procedure.		
Loss of power during the leverless demounting procedure – In case the machine turns off during the demounting procedure wait for the power to be restored. The unit will go through the power up procedure. DO NOT TOUCH, but wait for the reset icon on the touch screen to appear. Hold the lift switch in the “up” position. While holding the lift switch, move the main joystick to the left and/or right. This function allows you to manually control the actuator in order to move the tire back and forth and remove the finger from the tire. NOTE: Take caution as it is very easy		

to scratch a wheel with this procedure. You can now unlock the wheel from the turntable and proceed with the “reset”		
Where you informed of:		
The Technical Support Line? 1-513-874-5958 Option 2		
A unit failure out of the box? Contact Corghi USA at 1-800-260-0968 Option 2 Immediately.		
A missing part/accessory? Contact Corghi USA at 1-800-260-0968 Option 2 Immediately.		

General Machine Maintenance for Master CODE

Always refer to your operator’s manual or contact Corghi USA service department for any technical questions.

General maintenance should be performed at least monthly or more frequently based on usage.

- Under NO circumstance is your machine to be pressure washed. To clean your machine, only use mild detergents sprayed directly onto a rag.
- Keep table top free of any debris
- Inspect air lines and gauges for kinks and cracks
- Use WD40 or equivalent (DO NOT use white lithium grease) to lube the following: exposed cylinder shafts, horizontal MD head shaft, wheel lift guide shaft, and threaded screw oil pad
- Grease the following using an all purpose shop grease: front and rear vertical guide rails, bead breaker vertical guide shaft, and the upper bead breaker locking handle. DO NOT grease the vertical screw shaft!
- Ensure Mount/Demount fingers are at the 6 & 12 o’clock positions when retracted.
- Check that the Mount/Demount to wheel distance is between 2mm and 4mm.
- Change MD head inserts when worn flat.
- Ensure proper vertical movement of the MD head by listening for the audible “click” of the brake when activating the head up and down.
- Check that the upper and lower rubber stops for the vertical MD head movement are not cracked.
- Check the bead breakers for excessive play up, down, left, and right. This play should be no more than 5mm at any time.
- Inspect white bead breaker rollers for gouges and cracks. The rollers should also spin freely.
- Inspect the lockdown pistol teeth for any chips or cracks.
- Inspect all cones for any cracks or gouges. CAUTION: Using a damaged component associated with the lockdown system may cause injury. Always inspect the pistol, cones, spacers, and any other components for damage prior to usage.
- Ensure the air pressure is at or above 120 psi

General Terms, Disclaimer & Limitation on Liability

Corghi USA expressly warrants its products will be free from defects in material and/or workmanship for the time period specified. Corghi USA must be informed in writing within 7 days after discovery of a defect. Corghi USA reserves the right to repair or replace a product at our discretion. Consumable products and accessories such as but not limited to; plastic protection parts, bead breaker pads, inflation hoses, and rollers, are not covered under this warranty. This warranty does not cover any damage resulting from abuse or failure to perform any necessary maintenance (i.e. damage due to or resulting from, faulty installation, neglect, misuse, improper electrical connections or electrical surges, problems resulting from excessive water, contaminated air system, or pollutant of any nature, fire or freight damage).

Corghi USA's agreement to repair machines is expressly in lieu of all other warranties, express, implies or statutory, including any warranties for merchantability and fitness for a particular purpose. Corghi USA maximum liability shall be limited to the cost of the machine. In no event shall Corghi USA be responsible for owner's lost profits, goodwill or other incidental or consequential damages. Corghi USA is not responsible for equipment or accessories damaged in shipment. Freight claims are to be made directly with the carrier. We will be more than happy to assist you with any questions regarding filing claims.

MasterCODE: 2 years parts and 1 year labor

NOTE: Rubber Pads, air lines, gauges, mount/demount heads, and swabs - 90 day warranty

Time spent on installation: _____ Customer Initial: _____

Time spent on training: _____ Customer Initial: _____

Additional Notes/Comments: _____

Customer Information:

Business Name	Street Address	City	State	Zip Code
Customer Printed Name	Customer Signature	Phone Number	Date	

Please check this box if you are declining Installation and/or training from Corghi USA.

Reason for Declining: _____

For Corghi USA representative use only

Work Order/Claim Number	Service Center Name/ Account Number
Instructor Printed Name	Instructor Signature
Sales Representative Printed Name	Sales Representative Signature