

# Regular Maintenance Checklist

Periodically the robot should receive a thorough inspection.

- ✓ To prolong the life of your robot system, always store it indoors. The robot and batteries should be stored in a dry place between 55-75 degrees F. Store in a safe place away from **light, dust, moisture**, and excessive heat. **To keep dust and light away from the robot, a robot cover should be used.**
- ✓ **The robot and Radio Control Transmitter batteries should be kept fully charged at all times.** The robot battery should be fully charged before and after each use of the robot and then monthly. The batteries self-discharge a small amount daily and will go bad if not kept fully charged.
- ✓ Examine the exterior of the robot and make repairs as necessary. See the robot body repair instructions if needed.
- ✓ Remove the upper robot, lid, or back door. Check all bolts and nuts for tightness. Check set screws for tightness including on eye linkage, hand linkage, arms, and motor pulleys.
- ✓ Examine electrical wiring and connectors for looseness and wear.
- ✓ Clean and lubricate mechanical parts of the robot such as the front wheel casters as needed with a light machine oil or LPS-1. Inspect the drive belt and pulley system making sure that the motor pulley set screws are tight. You can use belt dressing on the drive belts if they are dry or squeaky.
- ✓ Wash the robot body with mild soap and water and a soft cloth and reattach the body. Isopropyl alcohol or Citrol® may be used on stains that won't come off with soap. If this causes the finish of the plastic to become dull, apply a protectant such as 303 Aerospace Protectant or Armor All. Do NOT use alcohol on windows, pupils, or eyes.
- ✓ Check the Radio Control System and audio units for broken wires, antennas, controls, cases, etc. The metal clips that are in the audio transmitter and receiver that contact the 9 Volt battery, should be bent out routinely to maintain good contact.
- ✓ The RC Transmitter and audio pieces should always be stored in the carrying case; this will extend the life and help insure proper operation. Remove the 9 Volt batteries from the audio units.
- ✓ Part of your maintenance of the robot may include sending the robot or parts of it back for repair and tune-up. This may include the RC, voice equipment and the main electronics panel. Go to **Robotronics.com** and **service** for more information.