



MFG: HAMPTON COMPANY
NAME: SPORT CARS
TYPE: KIDDIE

7330 WEBER LAKE ROAD
PORTAGE DES SIOUX, MO 63373
314/753-2381
800/767-0171
314/753-2004 FAX

SPORTS CAR (GROUND)

MAINTENANCE INSTRUCTIONS

1. There are four zerk grease fittings on base. These fittings should be serviced three times a year and more often in dusty or sandy conditions.
2. The chain on main drive and umbrella drive should be kept lubricated at all times. CAUTION: In dusty or sandy conditions, periodic cleaning and lubrication is suggested. Keep drive chain adjusted and level. When chain is properly adjusted it will have approximately one inch side play between gear box and large sprocket. Inspect chains every month for wear. Replace when worn to avoid wear on sprockets.
3. Inspect belts for wear and proper adjustment each week.
4. Fluid drive uses hydraulic oil, check level if ride is starting too slow. To adjust ride start, add or subtract oil as needed. CAUTION: Do not run less than one half full.
5. For rides built before 1/88: Check brass bushings on sweep ends for wear each time ride is set-up or at least once a week by simply pushing vehicles back and forth. If there is excessive amount of motion replace worn bushings. CAUTION: Excessive play in bushing can cause vehicles to come off the shafts. Lubricate bushings by wiping hinge shaft with oily rag.

For rides built after 1/88: Sweep ends are connected to base with 1" hardened pins. Lubricate each pin after every eight (8) hours of operation with a heavy weight motor oil. WARNING: THESE PINS ARE SPECIALLY HARDENED - DO NOT OPERATE RIDE WITH ANY OTHER TYPE.

6. For rides built before 1/88: Balls connecting sweeps to base should be wiped with oily rag before each set-up and after every eight (8) hours of operation (more often if conditions require).

For rides built after 1/88: The bearings on the base ring where sweeps attach should be greased at the same time as pins in step 4. Bearing grease fittings on base ring are aviation type fittings and special needle adapter is supplied with ride for greasing.

7. Wheels on vehicle cradles (3 x 6 hard rubber) are equipped with zerk fittings and should be greased before each set-up and after every eight (8) hours of operation.
8. Apply a few drops of oil to top of rib ends when needed. Do not over oil as it will stain umbrella.
9. Aluminum platforms should be kept clean at all times. Sand and dirt will cause wear. If rides are in salt air conditions, wash daily to avoid corrosion.
10. Keep vehicles clean and waxed. This is the best method for maintaining fiberglass color and gloss. When ride is not in use, cover all vehicles with individual covers that are provided with ride. Sun and bad weather are the worst enemies of fiberglass.
11. Keep all nuts and bolts tight to avoid wear.
12. Paint all scratched surfaces to prevent rust.
13. Check oil in gear boxes, main drive and umbrella drive, monthly.
14. Oil electric motors, main drive and umbrella drive, monthly.
15. In salt air conditions, apply a light coat of vaseline to base of all light bulbs before installing to prevent corrosion.
16. Grease wheel bearings on trailer once a year.
17. **WARNING:** Carefully inspect winch and winch cable for worn or frayed cable and to be sure that the cable is properly wound.
18. **WARNING:** This trailer ride is equipped with Safety Latch chain and should not be set up or dismantled without them.



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SPORTS CAR (GROUND)

SET-UP PROCEDURE

1. Place base on solid and as near level ground as possible. Blocking may be necessary to obtain correct alignment and should be done at this time.
2. Mud sills are as follows:
 - 3 long mud sills, left hand, one bolt hole
 - 3 long mud sills, left hand, two bolt holes
 - 1 long mud sill, right hand, two bolt holes
 - 1 long mud sill, right hand, two bolt holes
(Attaches to right of motor.)
 - 1 short mud sill, left hand, one bolt hole
(Attaches directly behind motor.)

WARNING: Leveling is of the utmost importance.

Level mud sills by adjusting levelers at end of mud sill to suit ground conditions. Place mud sill so that flange connection on base is on center side of tongue on mud sill. Use 3/4" X 2 1/2" bolts to attach mud sills to base. Tighten bolts of any two adjoining mud sills, carefully place edge of number 1 platform section on center line of mud sills with tightened bolts (eight platform sections required, all platform sections are numbered and must be placed in order). Continue tightening bolts on two mud sills and placing platforms until all platforms are placed. When all platforms are in position set fiberglass ramps on platforms. Align holes and install bolts, 1/4" X 4", and nuts in ramps. Check all platforms and ramps for alignment by installing one sweep (see Steps 7 and 8) and turning sweep one complete revolution. Place inner and outer platform clamps on securely. Check all platform bolts for tightness.

3. Mount center pole to base. This procedure requires a minimum of three persons for easiest assembly. Position pole horizontal to base assembly lining up hinge pieces on base and pole (two pieces of hinge are on base, one piece of hinge is on center pole). A hammer should be available to drive hinge pin into place. When hinge pieces are aligned insert 3/4" steel hinge pin and install safety pin.

WARNING: Pole must be held in place by at least one 3/4" X 2" bolt through holes in flanges opposite hinge before allowing to stand without support. Install remainder of bolts in flanges.

4. Install eighteen (18) umbrella ribs. Secure ribs to center pole with thirty six (36) rib pins and thirty six (36) safety pins. WARNING: Be certain all pins and safety pins are properly installed. Make certain outer telescoping ends of umbrella ribs are in up and locked position before proceeding to next step.
5. CAUTION: To avoid soiling umbrella have everyone clean hands before installing umbrella. Center umbrella on center pole and line up spring clips (sewn to hem of umbrella), fasten clips to ribs. After all clips are fastened to ribs release spring tension on rib ends, this will secure umbrella top in place.
6. Connect electric cables from control box to top ring, bottom ring, motor starter and motor. The cable connectors, male and female, are mated to prevent improper connections. Make certain center pole motor switch (located over gear reducer) is in off position before turning on top ring circuit breaker (single pole 30 amp). Control box contains this breaker, 3 pole 30 amp (for three phase motor) or 2 pole 30 amp (for single phase motor), and single pole 20 amp for bottom ring. WARNING: DO NOT plug power into main switch box until ride is complete and ready to test.

FOR RIDES BUILT BEFORE 1/88

7. Place vehicles in desired order on outer edges of platforms. Remove sweep retaining collars from vehicles' hinge shaft. Wipe hinge shaft with oily rag. CAUTION: Sweep retaining collars are not interchangeable and must be kept with the original vehicle. Grease 6 X 3 hard rubber wheels on vehicle cradles. Place sweep on vehicle hinge shaft. Reinstall sweep retaining collar by lining up drilled holes in collar with drilled holes in shaft, tightening collar set screw and inserting safety pin in collar.
8. Wipe center ring balls with oily rag. Attach sweeps to center ring balls. Tighten ball clamps securely, move vehicle in a forward and backward motion, and re-tighten ball clamps. Connect vehicle light cords to outlets on base center ring.

FOR RIDES BUILT AFTER 1/88

7. Grease 6 X 3 wheels on sweeps. Slide vehicles on sweep shafts (these shafts should be wiped with an oily rag before putting vehicle on), insert two (2) 3/4" bolts and tighten. Install large safety pin at end of sweep shaft.
8. Sweeps are attached to base using 1" hardened pins secured with 3/16" clevis pins. These pins should be lubricated with a heavy weight motor oil and bearings on base should be greased before attaching sweep. Connect vehicle light cords to outlets on base center ring.

CAUTION: Wrap vehicle light cords around sweeps to prevent interference with vehicles or platform while ride is in operation. Make certain male plug locks into female plug lid at center ring.

WARNING: Before operating ride recheck each sweep at vehicle and base.

9. Install six (6) light fixtures, slide flat end into slot on pole and insert safety pin. WARNING: DO NOT operate ride unless safety pins are installed.
10. Install Center Cover. Make certain cover is secure by hooking end of cover spring to sweeps. WARNING: DO NOT operate ride without center cover or with improperly installed center cover. This is not only an attractive cover it is also a SAFETY DEVICE.
11. CAUTION: Check platform for loose objects or obstructions which might be in path of vehicles.
12. Plug in power to switch box. Try each switch separately and check to see that all lights and circuits are working properly. WARNING: Check relay switch, making sure that if power is temporarily shut off ride will not restart until relay button is reset. To do this, start ride, unplug power, plug power back in. Ride should not start again until relay button is pushed.
13. Turn ride on, check umbrella and each vehicle for proper operation. Leave run at least five minutes to make sure complete ride is operating properly.
14. To dismantle ride for moving - reverse set up instructions. WARNING: Unplug power source before allowing anyone to dismantle ride.