

INSPECTION AND MAINTENANCE **SCHEDULE**

For

Lion See-Saw – SPLIS & Nexus Hover - SPHOV

IMPORTANT: This document should be read in conjunction with the INSTALLATION INSTRUCTIONS for the Lion See-saw or the Nexus Hover.

This equipment should be maintained in accordance with European Standards recommendations for the routine and operational inspection and maintenance of playground equipment: EN1176-7.

The frequency of inspection will vary with the type of equipment/materials used and other factors eg: heavy use, levels of vandalism, coastal location, air pollution, age of equipment.

If parts are discovered to be unsafe during inspection and cannot be replaced or corrected immediately the equipment (or parts) should be secured against further use (immobilised or removed from site).

Routine Visual Inspection

A routine visual inspection is recommended. This may consist of the following as a minimum, in the case where the equipment is under intensive use or the object of vandalism, a daily check of this kind may be necessary:

- a. Structure Not bending, cracking, loosening.
- b. Surface finish. No damaged paint, rusting, other corrosion or deterioration and all surfaces are free from sharp edges.
- c. Foundation Not cracked or loose in ground.
- d. Impact Absorbing Surfacing Not compacted, damaged, puddling, with no contaminants or sharp objects.

If a loose fill surface has been selected, ensure it is in good condition and that it is of sufficient thickness to coincide with the UPPER of the 'Basic Level Marks' on the equipment upstands.

- e. Consumable items Not missing, bent, broken, loosened, worn.
- f. All parts are secure and that there is no excessive movement between them which may lead to finger traps and any other traps, paying particular attention to the spring mounting points.

INSPECTION SCHEDULE

Operational Inspection (1 to 3 months intervals).

Check List General

Check ✓

- a. Structure Not bending, cracking, loosening. (see note i)
- b. Surface finish. No damaged paint, rusting, other corrosion or deterioration and all surfaces are free from sharp edges. (see note i)
- c. Foundation Not cracked, loose in ground.
- d. Impact Absorbing Surfacing Not compacted, damaged, puddling with no contaminates or sharp objects.

If a loose fill surface has been selected, it is in good condition, and is of sufficient thickness to coincide with the UPPER of the 'Basic Level Marks' on the equipment upstands.
- e. That all fixings are tightened and have no protruding sharp edges.
- f. Ensure that all polyethylene items are not broken, loose, cracked, burnt or deformed and have no sharp edges.
- g. Welds show no visible cracks or corrosion.
- h. No trip points or obstructions within the falling space, free space or surrounding area.
- i. Ensure that the site is clear of all invading objects and rubbish.
- j. All parts are secure & fittings correctly tightened. All plastic bungs & handles are securely in place.
- k. Check the clamps for wear or fretting. If the parts exhibit any sign of cracks, permanent deformation, wear or rust they should be replaced immediately.
- l. The spring should be regularly checked for any signs of rust, deformation, fretting, cracks or other damage. (In particular, the area of the spring around the last base fixing position should be scrutinised). Should any of these be present, the spring must be replaced immediately. After a period of 2 years, this inspection should be increased in frequency depending on condition and use of the equipment. If the spring is still in service after a period of 5 years, it is recommended to replace it at that time as a matter of routine.
- m. Inspect bush for wear (recommended Maximum 0.5mm in vertical plane).
- n. Oil bearing bushes using an SAE 30 mineral oil.

Annual Main Inspection (not exceeding 12 months)

A detailed inspection should be carried out by a specialist engineer and the results of such inspections entered into a permanent record.

Notes:

i. Particular attention should be made to the area of the structure just as it enters the ground.

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MAINTENANCE PROCEDURE

Whilst any maintenance is carried out the equipment must be secured against use and then public warned of any risks associated with the work.

Consumable Components

Damaged or worn parts should be replaced with only SMP Playgrounds authorised components.

See installation instructions for Part numbers, part identification method of assembly and torque settings.

1. Powder Coated Finish to Steel Components.

Periodically our products should be inspected for mechanical damage and we recommend that the powder coated finish to steel components be cleaned with a mild detergent solution. This should generally be carried out at least once a year, unless the provision is within one mile of the sea in which case it should be carried out every three months.

Particular attention should be paid to the areas adjacent to stainless steel components where corrosion on bare steel would be accelerated.

Any breaks in the coating surface identified should be made good within 28 days.

Any bare metal should be thoroughly abraded with 100 grit paper to remove any corrosion, then immediately finished with a suitable paint system (available from SMP). Any large areas of bare metal, once abraded, should additionally be finished with a suitable primer/undercoat (available from SMP) prior to the topcoat.

2. Polyethylene Animal Profiles.

As required, these may be cleaned with a suitable graffiti remover. Ensure that all traces of any such application are fully removed prior to releasing the item for use.

3. Hover Seat.

As required, these may be cleaned with a suitable detergent or graffiti remover.

After a period of 5 years from installation, the UV stabilized polyethylene should be regularly checked for signs of embrittlement and replaced as required.

Consumable Components

1. BUSH No 15033025

If the bushes are worn more than the recommended maximum 0.5mm, first remove the complete Beam & Spring Assembly from the Base Supports and Tie Bars by unbolting the 8-off M10 Resistorx bolts, then release and slide the Spindle from the Support Frame. Refer to Installation Instructions for details of the assembly. Using a suitable drift and mallet, tap out the bushes located in the Support Frame (one each side) and in the Beam (one each side). Locate the new bushes (ensuring that they are kept clean from contamination) in position and tap home with a mallet until the bushes are flush with the frame. Relocate the Beam & Spring Assembly onto the Base Supports and Tie Bars, slide in the Spindle and secure complete assembly using the M10 Resistorx bolts and washers.

2. **Spring and Clamps (To replace the spring & clamps, refer to the installation instructions. Dismantling is the reverse of assembling)**
Surface preparation for painting may introduce surface defects that create possible weaknesses. Therefore, no repainting of the spring is recommended.
Any replacement spring will need to be checked for compatibility.