



Safety and Maintenance Manual



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Thank you for selecting PlayCo equipment for your playground or outdoor recreation space.

This document has been developed to assist with the ongoing maintenance, inspection and safe operation of playground equipment, outdoor fitness equipment and associated site infrastructure.

As a quality-assured company, we design, manufacture and install equipment in accordance with relevant Australian Standards. These standards play an important role in ensuring safe environments for users and provide guidance on inspection, maintenance and operational requirements.

PlayCo equipment complies with the following applicable Australian Standards:

- AS 4685 Playground Equipment and Surfacing – General Safety Requirements and Test Methods
- AS 4422 Playground Surfacing – Specifications, Requirements and Test Methods
- AS 4685.0 Playground Equipment and Surfacing – Development, Installation, Inspection, Maintenance and Operation
- AS 16630 Permanently Installed Outdoor Fitness Equipment (where applicable)

The owner and/or operator of the playground or outdoor exercise space is responsible for maintaining the installation to ensure the safety of users, preserve the durability and appearance of the equipment, and maintain compliance with warranty requirements.

Inspection Requirements

A documented inspection and maintenance program should be established following installation.

The inspection regime should include:

Inspection Type	Frequency	Purpose
Routine Inspection	Daily or Weekly	Identify obvious hazards resulting from use, weather, vandalism or contamination.
Operational Inspection	Monthly or Quarterly	Review equipment operation and wear.
Comprehensive Inspection	Annually	Detailed assessment of structural integrity and ongoing compliance.

Routine Inspection

Surfacing

- Check that the softfall surfacing area is free of debris and contamination.
- Check that loose-fill surfacing has not been displaced, particularly below equipment where falls are likely. Level or refill areas as required to maintain the recommended depth.
- Rake and redistribute loose-fill playground surfacing to maintain consistent levels.
- Remove litter, glass, sharps and any unhygienic matter. Clean surfacing as required.

Equipment and Surrounds

- Complete a visual inspection to ensure all parts are present, intact and in sound condition.
- Check for vandalism, visible damage or missing parts.
- Remove graffiti, stickers or other foreign markings from equipment.
- Remove nesting insects, spiders, poisonous plants, weeds or fungi.
- Remove any obstructions or vegetation from access paths.
- Check that moving equipment is free from obstructions that may affect operation.
- If equipment is damaged or parts are missing, isolate or close the affected equipment until repairs have been completed.

Operational Inspection

Surfacing and Surrounds

- Check that the softfall surfacing area is free of debris and contamination.
- Check that loose fill softfall surfacing is at the recommended depth and top up if necessary.
- Check that synthetic surfacing is in good condition and securely in place to provide impact absorption.
- Check that softfall surfacing borders are secure in the ground, do not create trip points, and have no rough or sharp edges.
- Check that playground surfacing is free of damage and trip hazards.

- Check the area for overgrown bushes, vegetation or other hazards that may have intruded into the play area over time.
- Remove nesting insects and spiders.
- Clean equipment to remove stains, mould and dirt, and maintain hygienic surfaces.
- Remove any obstructions or vegetation from access paths.

Equipment

- Check all fasteners and tighten or replace any that are missing.
- Check that all uprights and components are secure in the ground.
- Check that no footings are showing through the softfall.
- Check steel equipment for rust or corrosion. Replace any badly corroded parts.
- Check timber equipment for splintering, splitting or warping. Treat timber as required to ensure smooth surfaces and replace damaged items.
- Check all moving parts for excessive wear and replace worn items.
- Check all chain links, cabling and connectors for wear and replace damaged items as required.
- Check for bending or cracking of steel components and replace components where necessary.
- Check all paintwork and touch up any worn or chipped areas.
- Check large rope net structures with tensioning aids, such as turnbuckles, for sufficient tension and re-tension if required.
- Check for grease points and apply appropriate grease to all grease nipples.
- In highly corrosive environments, regularly wash equipment with clean water to prevent the build-up of rust-causing minerals. This is particularly important where equipment is positioned under a

Comprehensive Inspection

Surfacing and Equipment

- Complete a detailed inspection of all areas covered under the Operational Inspection.
- Check the structural integrity of equipment subject to corrosion or rotting.
- Check for any changes in the safety of the equipment resulting from repairs, added components or replaced components.
- Ensure playground surfacing is free of surface wear, sub-grade deterioration, damage and trip hazards.
- Treat surface rust in metal components by cleaning the surface, rasping back, applying rust inhibitor and repainting as required.
- Touch up or refinish painted surfaces as required, including highlighting edges for visual awareness where necessary.
- Complete a functional check of all moving parts to ensure they operate smoothly within the intended range of movement.
- Top up mulch if applicable.
- Replace sand in sandpits if required.

Note: Comprehensive inspections should be undertaken by a suitably qualified person.

An inspection checklist has been provided as an attachment as part of the handover pack.

Additional safety and maintenance information

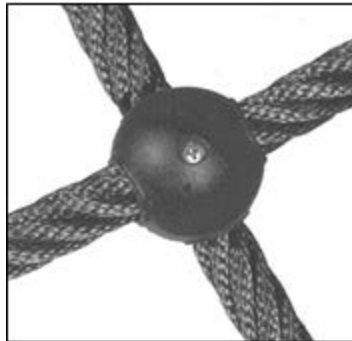
Rope Maintenance

The ropes on PlayCo products are made from a combination of abrasion resistant fibres, braided around a galvanized steel wire core. While the ropes themselves will require no maintenance (unless subject to vandalism), the plastic connectors should be checked on a regular basis to ensure that they are secure.

The 'standard connector' is used to hold intersecting ropes. Connectors are fastened over the ropes by being squeezed together and held in place using a self-locking system. They are then secured by use of screws inserted into the rope itself. The 'standard connector' fits together in two halves.

Rope Net Standard Connector (Part # 57882)

Tool – Standard T20 Torx Drive



STANDARD CONNECTOR

It is important to not over tension the cable and or tension when not required. The playground standard allows a minimum clearance from seat bottom to finished soft fall level of 400mm and a maximum of 1900mm.

Flying/Gliding Fox

The Flying/Gliding Fox are large pieces of play equipment that require specific maintenance regimes to keep them performing in a fun and safe manner. To ensure the equipment remains this way PlayCo recommends that the following steps are followed. Along with the general inspections, detailed above, the Flying/Gliding Fox cable tension needs to be checked at the following intervals;

- 2 weeks after install
- 6 weeks after install
- 3 monthly intervals thereafter

The design of the Flying/Gliding Fox places a high amount of load on the cable. To allow the cable to accept this level of load the cable will stretch during the first 6 to 18 months of use.

Maintenance Checklist – Annual Inspection

Inspection Date:

Inspector:

	Applicable for		Inspector's feedback	
	Play	Fitness	OK	Repairs Required
Physical Inspection - General				
Surface condition of structural elements, posts, platforms, roofs, handrails, columns etc	✓	✓		
Castings are secured and in place	✓	✓		
Welds are intact and not showing signs of stress or cracking	✓	✓		
Inground components are intact and not showing signs of movement	✓	✓		
Metal components are intact and not malformed, warped or cracked	✓	✓		
HDPE components are free from cracking, checking around fasteners and corners	✓	✓		
Examine rubber softfall for condition, paying close attention to joints and surface transitions	✓	✓		
Softfal minimum level markers are intact	✓			
Compliance plates are visible and information is clear	✓	✓		
Event and welcome signage is clear and readable, and that information is up to date		✓		
Slide supports and entry panels are secure and fastened	✓			
Edging and surface transitions are well defined and intact	✓	✓		
Tree roots are not invading areas where fall zones need to be maintained	✓	✓		
Top up loosefill material	✓	✓		
Physical Inspection - Moving Equipment				
Carousels are operating correctly, gap between the rotating section and adjacent surface is less than 8mm for accessible units	✓			
Horizontal deviation of the carousel rotating section and the adjacent surface is less then 20mm up/down for accessible units	✓			
Non-accessible carousels are operating correctly, consistently and moving freely	✓			
Glide 'n' Ride trolleys are sliding cleanly, smoothly and don't require excess force to operate	✓			
Glide 'n' Ride rubber braking pads are secure and intact	✓			
Flying Fox trolleys are sliding cleanly, smoothly and don't require excess force to operate	✓			
Flying Fox braking mechanism is operating correctly	✓			
Cable brake on Flying Fox is secure, intact and operational	✓			
Spring Toy steel spring is secure, connections are tight and free from any signs of stress	✓			

Dynamic fitness equipment is moving consistently and freely		✓		
Fitness equipment is not damaged or vandalised, creating potential pinch points		✓		
Physical Inspection - Rope and Chain Items				
S-hooks are secured and s-hook infills are present on all swings or chain items	✓			
Swing seats are secured, intact and cleaned	✓			
Swing beams and frames are sturdy and not moving, warped or misshapen from excess force	✓			
Swing hardware is operating correctly, chains are not showing signs of structural rust or corrosion	✓			
Inspect rope items for fraying, excessive wear on ferrules or anchors	✓	✓		
All rope hardware is fastened and ropes are tensioned correctly, ensure that ropes cannot overlap to cause potential entrapment	✓	✓		
Links are not showing signs of excessive wear	✓	✓		
Actions				
Check and tighten all bolts and fasteners on equipment	✓	✓		
Lubricate or replace any bearings that may be worn or broken	✓	✓		
Isolate or close any play events that are damaged or broken	✓	✓		
Replace any missing or broken parts	✓	✓		
Treat any surface chips or paint scratches with cold gal and touch up paint as a minimum	✓	✓		
Treat any deep or penetrating surface scratches with appropriate cleaning, filler and touch up paint	✓	✓		
If site conditions have changed, perform risk assessment to ensure the adequacy of control measures	✓	✓		
Document and report any maintenance issues	✓	✓		
Contact manufacturer for parts, support and assistance	✓	✓		

For warranty enquiries, replacement parts or maintenance assistance, please contact: spareparts@playco.com.au

Maintenance Checklist – Operational Inspection (Monthly/Quarterly)

Inspection Date:

Inspector:

	Applicable for		Inspector's feedback	
	Play	Fitness	OK	Repairs Required
Physical Inspection - General				
Surface condition of structural elements, posts, platforms, roofs, handrails, columns etc	✓	✓		
Castings are secured and in place	✓	✓		
Welds are intact and not showing signs of stress or cracking	✓	✓		
Inground components are intact and not showing signs of movement	✓	✓		
Metal components are intact and not malformed, warped or cracked	✓	✓		
HDPE components are free from cracking, checking around fasteners and corners	✓	✓		
Examine rubber softfall for condition, paying close attention to joints and surface transitions	✓	✓		
Slide supports and entry panels are secure and fastened	✓			
Physical Inspection - Moving Equipment				
Carousels are operating correctly, gap between the rotating section and adjacent surface is less than 8mm for accessible units	✓			
Horizontal deviation of the carousel rotating section and the adjacent surface is less than 20mm up/down for accessible units	✓			
Non-accessible carousels are operating correctly, consistently and moving freely	✓			
Glide 'n' Ride trolleys are sliding cleanly, smoothly and don't require excess force to operate	✓			
Flying Fox trolleys are sliding cleanly, smoothly and don't require excess force to operate	✓			
Flying Fox braking mechanism is operating correctly	✓			
Spring Toy steel spring is secure, connections are tight and free from any signs of stress	✓			
Dynamic fitness equipment is moving consistently and freely		✓		
Fitness equipment is not damaged or vandalised, creating potential pinch points		✓		
Physical Inspection - Rope and Chain Items				
S-hooks are secured and s-hook infills are present on all swings or chain items	✓			
Swing seats are secured, intact and cleaned	✓			
Inspect rope items for fraying, excessive wear on ferrules or anchors	✓	✓		
Links are not showing signs of excessive wear	✓	✓		

Actions				
Check and tighten all bolts and fasteners on equipment	✓	✓		
Lubricate or replace any bearings that may be worn or broken	✓	✓		
Isolate or close any play events that are damaged or broken	✓	✓		
Replace any missing or broken parts	✓	✓		
If site conditions have changed, perform risk assessment to ensure the adequacy of control measures	✓	✓		
Documents and report any maintenance issues	✓	✓		
Contact manufacturer for parts, support and assistance	✓	✓		

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Maintenance Checklist – Routine Inspection (Daily/Weekly)

Inspection Date:

Inspector:

	Applicable for	Inspector's feedback		
	Play	Fitness	OK	Repairs Required
Visual Inspection				
Equipment area is free from debris	✓	✓		
Equipment is intact, complete with no missing parts	✓	✓		
The equipment and surrounding area is free from nesting animals, pests or invasive flora	✓	✓		
The equipment and surrounding area is free from unhygienic contaminants, food waste, organic waste	✓	✓		
The equipment does not have any visible damage or vandalism	✓	✓		
Open and closed slides are clear of any obstructions	✓	✓		
Moving parts, swing chains, carousels, dynamic fitness equipment is free from obstructions that may hinder operation	✓	✓		
Rope elements are not tangled or twisted	✓	✓		
Free space and workout space around equipment are free from any foreign objects		✓		
Equipment signage is clear and visible		✓		
Visual inspection of bolts and fasteners in position	✓	✓		
Visual inspection of any trip hazards or access issues	✓	✓		
Actions				
Broken or damaged equipment is closed off and isolated	✓	✓		
Obstructions or foreign objects removed from the equipment area	✓	✓		
Rake and redistribute softfall to consistent levels (200mm minimum)	✓	✓		
Remove and dispose of any contaminants in softfall	✓	✓		
Remove graffiti, stickers or other foreign markings on equipment	✓	✓		
Clean perspiration off equipment		✓		
Wipe down swing seats and slide entries	✓	✓		
If site conditions have changed, perform risk assessment to ensure the adequacy of control measures	✓	✓		
Document and report any maintenance issues	✓	✓		
Contact manufacturer for parts, support or assistance	✓	✓		

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