

TRON LIGHTCYCLE CAR MAINTENANCE MANUAL

Generic Car Asset Documentation

Document Date: September 2025

CAR SPECIFICATIONS

Parameter	Specification	Tolerance
Model	TL-2024 Lightcycle Car	N/A
Maximum Speed	59.0 mph	±2.0 mph
Vehicle Weight	1850 lbs	±50 lbs
Rider Capacity	2 persons	Fixed
Operating Voltage	480V AC	±5%
Power Consumption	14.2 kW avg	±20%

SAFETY PROCEDURES

■■ WARNING: Always follow lockout/tagout procedures

1. Place car in designated maintenance position
2. Engage brake locks and wheel chocks
3. Isolate electrical supply at car junction box
4. Test isolation with approved meter
5. Apply personal locks to isolation points
6. Complete car-specific LOTO checklist

BEARING MAINTENANCE

Component	Part Number	Inspection Frequency	Replacement Interval
Main Drive Bearing	SKF-22320-E/C3	Daily	2000 hours
Front Wheel Hub L	TMK-SET45L	Weekly	1500 hours
Front Wheel Hub R	TMK-SET45R	Weekly	1500 hours
Rear Wheel Hub L	TMK-SET45L	Weekly	1500 hours
Rear Wheel Hub R	TMK-SET45R	Weekly	1500 hours
Guide Wheel Bearing	NSK-6308DDU	Monthly	3000 hours