

Quick Service

TRAVELERS & GENOA LEADS



SERVICE AT REGULAR INTERVALS

Service is required after storage, when cars have too much friction, or if balls seem to be sliding instead of rolling. Flush with fresh water and detergent, move cars back and forth to circulate the balls, and follow with high-pressure water. Clean track grooves and then use a single drop of McLube OneDrop™ Ball Bearing Conditioner in each ball race.

Service items:

- Earth-friendly detergent
- McLube OneDrop™
- Water hose

Inspect carefully for:

- **Cracked, corroded, or elongated shackles:** Replace immediately.
- **Loose car fasteners:** Check all screws and cotter pins.
- **Loose track or end control screws:** If possible check underneath the deck to inspect for stress cracking and other damage. Pay careful attention to high-beam track on cabintop.
- **Missing bearings:** See chart on back for replacement ball bearings.
- **Bent wire clip (CB only):** Check that the ball retaining wire clip is not visibly damaged. See chart on back



for replacement wire clips. **Replacement CB Cars will not roll on older track.** CB cars require a groove in the track for the car's ball retaining wire.

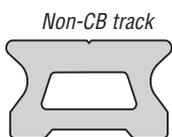
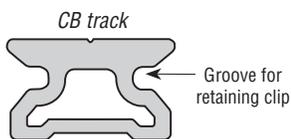
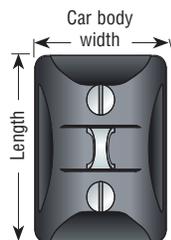
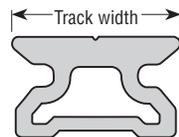
Find specific information at www.harken.com/manuals.

PART IDENTIFICATION

Method

1. If you only need to determine system size, simply measure the top of the track and use the Car Body and Track Widths chart below.

2. To identify a particular slider or ball bearing car, measure the car body width (not including control blocks) and then use the lengths in the Car Identification chart on back to find specific cars.



Car Body and Track Widths

System size	Car body		Track	
	in	mm	in	mm
Micro CB	1 ⁹ / ₁₆	40	1/2	13
Small Boat CB	2 ¹ / ₄	57	7/8	22
Small Boat Non-CB	2 ³ / ₁₆	56	7/8	22
Midrange CB	2 ³ / ₄	70	1 ¹ / ₁₆	27
Midrange Non-CB	2 ³ / ₄	70	1 ¹ / ₁₆	27
Big Boat CB	3 ⁹ / ₁₆	85	1 ¹ / ₄	32
Big Boat Non-CB	3 ⁵ / ₁₆	84	1 ¹ / ₄	32

SERVICEABILITY

Dealer Replaceable Parts

All track components
Ball bearings, toggles, car controls, and endcaps for non-CB cars (see chart)
Ball loaders for non-CB cars (see chart)

Traveler Rebuild Kits

Use for older non-CB ball bearing cars. Kit contains new endcaps, screws, Torlon ball bearings, ball loader, blue Loctite®, and instructions.

Part No.	Description	Torlon Ball Quantity
HSB501	Small Boat	64
HMR99	Midrange	60
HBB197	Big Boat	60



Parts included

Endcap Sets (No Balls)

Use for older non-CB ball bearing cars

System size	Description	Part No.
Small Boat	Plastic	HSB78
Midrange	Plastic	HMR3
Midrange	Aluminum	HC1653
Big Boat	Plastic	HBB48
Big Boat	Aluminum	HC289



Parts included

Ball Loaders (No Balls)

Use for older non-CB ball bearing cars

System size	Description	Part No.
Small Boat	Ball loader	HSB116
Midrange	Ball loader	HMR2
Big Boat	Ball loader	HBB1



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CAR IDENTIFICATION & BALL REPLACEMENT

Use chart to find ball bearing replacements if you know either the part number or certain measurements. The Car Length column can be used to identify different cars within a particular size range.

	Identify your car						Ordering Information			
	Car Part No.*	Description	Length		Balls/ Car	Ball Material	Order Ball		Ball Ø	
			in	mm			Part No.	Balls/Set	in	mm
Traveler	2700/2701/2702/2703	Micro CB	2 ⁹ / ₁₆	56	40	Torlon®	2708	20	3 ¹ / ₁₆	5
	156/157/171/211	Small Boat Non-CB	2 ⁷ / ₈	73	42	Delrin®	176	21	1 ¹ / ₄	6
	158/159/172/210/212	Small Boat high-load Non-CB	2 ⁷ / ₈	73	42	Torlon®	177	21	1 ¹ / ₄	6
	214/215/247/440/441	Small Boat 1250 Series Non-CB	4 ³ / ₈	111	64	Torlon®	177	21	1 ¹ / ₄	6
	2726/2728/2730/2732/2744	Small Boat CB	2 ⁷ / ₈	73	40	Delrin®	176	21	1 ¹ / ₄	6
	2727/2729/2731/2733/2734/2745	Small Boat CB high-load	2 ⁷ / ₈	73	40	Torlon®	177	21	1 ¹ / ₄	6
	2735/2736/2737/2738/2746	Small Boat CB 1250 Series	4 ¹ / ₈	105	60	Torlon®	177	21	1 ¹ / ₄	6
	1508/1575/1594	Midrange Non-CB	4 ¹ / ₄	108	48	Torlon®	1526	25	5 ¹ / ₁₆	8
	1509/1576/1595	Midrange long Non-CB	5 ¹ / ₄	133	60	Torlon®	1526	25	5 ¹ / ₁₆	8
	1604	Midrange w/2 toggles Non-CB	7 ¹ / ₄	184	86	Torlon®	1526	25	5 ¹ / ₁₆	8
	1624/1626/1628/1635/1640/T27xxB	Midrange CB	4 ¹ / ₄	108	48	Torlon®	1526	25	5 ¹ / ₁₆	8
	1625/1627/1629/1636/1641/T27xxB.HL	Midrange CB long	5 ⁹ / ₁₆	132	60	Torlon®	1526	25	5 ¹ / ₁₆	8
	515/608/1928/1930	Big Boat 3000 Series Non-CB	5 ¹ / ₄	133	50	Torlon®	547	25	3 ¹ / ₈	10
	558/609/1929/1931	Big Boat 4500 Series Non-CB	7 ¹ / ₄	184	72	Torlon®	547	25	3 ¹ / ₈	10
	1939	Big Boat 5000 Series w/2 toggles/shackles Non-CB	8 ¹ / ₂	216	90	Torlon®	547	25	3 ¹ / ₈	10
	1941	Big Boat 6000 Series w/3 toggles/shackles Non-CB	10 ¹ / ₂	267	110	Torlon®	547	25	3 ¹ / ₈	10
	3163/3164/3176/3177/3160/T32xxB	Big Boat CB 3000 Series	5 ³ / ₈	136	50	Torlon®	547	25	3 ¹ / ₈	10
	3165/3166/3178/3179/3161/T32xxB.HL	Big Boat CB 4500 Series	7 ¹ / ₁₆	188	72	Torlon®	547	25	3 ¹ / ₈	10
	3167/T32x4B	Big Boat CB 5000 Series w/2 toggles/shackles	9 ¹ / ₈	231	90	Torlon®	547	25	3 ¹ / ₈	10
	T32x4B.HL	Big Boat CB 2 high-load cars w/2 toggles	15	381	144	Torlon®	547	25	3 ¹ / ₈	10
3068	Mini-Maxi Non-CB	10	254	72	Torlon®	HBB21	1	1 ¹ / ₂	12	
3070	Maxi Non-CB	13 ⁷ / ₈	353	104	Torlon®	HBB21	1	1 ¹ / ₂	12	
3074	Big Boat CRX	5	127	102	Torlon®	H-38349A			Rollers	
3075	Big Boat CRX	7 ¹ / ₂	191	148	Torlon®	H-38349A			Rollers	
Genoa Lead	249	Small Boat Non-CB	4 ³ / ₈	111	64	Torlon®	177	21	1 ¹ / ₄	6
	G22xB/G22x7B	Small Boat CB	4 ¹ / ₈	105	60	Torlon®	177	21	1 ¹ / ₄	6
	1537	Midrange Non-CB	5 ¹ / ₄	133	60	Torlon®	1526	25	5 ¹ / ₁₆	8
	G27xB/G27x7B	Midrange CB	5 ⁹ / ₁₆	132	60	Torlon®	1526	25	5 ¹ / ₁₆	8
	G27xB.HL/G27x7B.HL	Midrange CB high-load	9	229	96	Torlon®	1526	25	5 ¹ / ₁₆	8
	554	Big Boat Non-CB	7 ¹ / ₄	184	72	Torlon®	547	25	3 ¹ / ₈	10
	587	Big Boat Non-CB	5 ¹ / ₄	133	50	Torlon®	547	25	3 ¹ / ₈	10
	G32xB/G32x7B	Big Boat CB	9 ¹ / ₈	231	90	Torlon®	547	25	3 ¹ / ₈	10
	3072	Mini-Maxi Non-CB	12	305	84	Torlon®	HBB21	1	1 ¹ / ₂	12

**"x" in part number indicates variable number from 0 to 7. See 27 mm & 32 mm System Part Numbers on page 102 of 2011 catalog for explanation.

CB Wire Clips

Track width	Description	Car length		Clip length (installed)		Part No. (order 2)
		in	mm	in	mm	
13 mm	Micro	2 ⁹ / ₁₆	56	2.15	55	H-33629A
	Small Boat	2 ⁷ / ₈	73	2.87	73	H-30291A
	Small Boat	4 ¹ / ₈	105	4.12	105	H-30292A
22 mm	Small Boat radial vang	4 ¹ / ₈	105	4.12	105	H-34230A* H-34231A**
	Midrange	4 ¹ / ₄	108	4.23	107	H-33989A
27 mm	Midrange	5 ⁹ / ₁₆	132	5.17	131	H-33990A
	Midrange	9	229	4.23	107	H-33989A***
	Big Boat - 3000	5 ³ / ₈	136	5.31	135	H-35629A
32 mm	Big Boat - 4500	7 ¹ / ₁₆	188	7.28	185	H-35630A
	Big Boat - 5000	9 ¹ / ₈	231	9.05	230	H-37506B
	Big Boat/2-car	15	381	7.28	185	H-35630A***



*Specially bent. Order one for outside.

**Specially bent. Order one for inside.

***Order 4 Clips.

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