

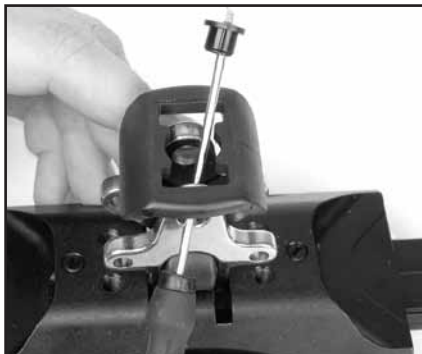
Install Replacement Bushings (H-17355B)

1/4" (6 mm) Clevis Pin

1. Load plastic bushings from inside toggle.

Tip: Slip small screwdriver into hole and use it as a guide to insert plastic sleeve.

2. Slip 1/4" (6 mm) clevis pin through toggle and secure with small cotter pin.



Install Replacement Urethane Stand-Up Device (H-17354C)

1. Remove stainless toggle from car.

Tip: mark top of toggle to make installation of new stand-up device easier.

2. Use pliers to squeeze circular base of stand-up device; work device up and out the side.

3. To install replacement piece, squeeze circular base of stand-up device and insert from side of toggle.

Note: do not use pliers to squeeze new stand-up device while installing. This will damage stand-up.

Tip: use soap or dry Teflon® spray like McLube on circular portion of stand-up device.



Inspect

Frequently inspect shackles and control block fittings for signs of fatigue and replace as necessary. Make sure every installation includes Harken track end stops. Arrange control tackle so cars do not hit end stops under load.

Maintenance

Traveler Cars: Clean by frequently flushing with fresh water. Periodically clean car by squirting a detergent/water solution into center openings. Roll car back and forth to distribute evenly then flush bearings with fresh water.

Do not use spray lubricants because ball bearings may skid not roll. Apply one to two drops of McLube® OneDrop™ to ball contact surfaces of track. Roll car back and forth through OneDrop™ several times to distribute onto bearings. Wipe remaining OneDrop™ off track. OneDrop™ is preferred but you can also use one to two drops of a light machine oil, such as 3-in-1. Too much oil attracts dirt.

Track: Clean with detergent and water.

Important: Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.

Warranty

For additional safety, maintenance and warranty information see www.harken.com or the Harken® catalog.



HARKEN®

INSTRUCTIONS

1561/1638 Stand-Up Toggles

Fit Midrange Cars: 1624/1625/1628/1629, T27 Series

1251 East Wisconsin Avenue • Pewaukee, WI 53072 U.S.A.
Telephone: (262) 691-3320 • Fax: (262) 691-3008
Website: www.harken.com • E-mail: harken@harken.com



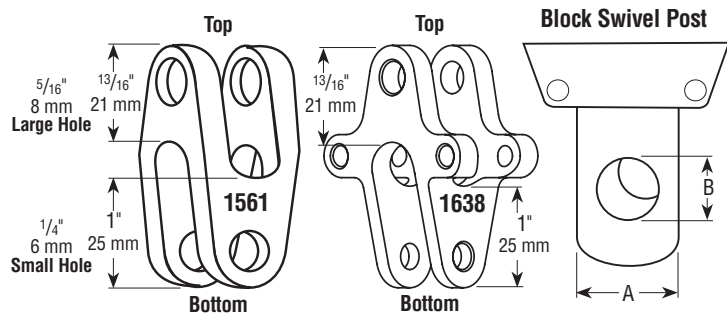
Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury or death. See www.harken.com for additional safety information.

Use These Mainsheet Blocks with 1561/1638

Fits Blocks	Single	Double	Triple	Fiddle	A Post Ø	B Shackles Pin Ø
57 mm Carbo		X	X			6 mm
75 mm Carbo		X				6 mm
75 mm Carbo			X	X		5/16" (8 mm)
Small Boat	X			X	7/16" (12 mm)	1/4" (6 mm)
Midrange	X	X	X	X	9/16" (14.5 mm)	5/16" (8 mm)
57 mm ESP Single	X					5/16" (8 mm)
57 mm AirBlock	X				9/16" (14.5 mm)	1/4" (6 mm)
57 mm AirBlock			X	X		5/16" (8 mm)

Use These Car Control Blocks with 1638

Use these Carbo Blocks	End Controls	Purchase
2650 (dead end on control)	X	1631/E2730
2650 (dead end on block)	X	1632/1633/E2740, E2746
342/2638 (dead end on control)	X	1632/1633/E2750/E2756



Parts List

1561 Midrange Stand-Up Toggle

1. Stand-up toggle (H-17353C)
2. Polyurethane stand-up (H-17354C)
3. 3/16" Clevis pin (HCP208)
4. 1/4" Clevis pin (HCP211)
5. Bushings (2) (H-17355B)
6. Large cotter pin (HFS181)
7. Small cotter pin (HFS118)
8. Blue Loctite®



1638 Midrange Stand-Up Toggle with Control Tangs

1. Toggle with tangs (H-34293C)
2. Stand-Up Device (H-17354C)
3. 1/4" Clevis pin (HCP211)
4. 5/16" Clevis pin (HCP208)
5. 3/16" Clevis pin (2) (H-35241A)
6. Large cotter pin (HFS118)
7. Small cotter pin (HFS181)
8. Bushings (2) (H-17355B)
9. Blue Loctite®



Install 1561/1638 Toggle on Car

Tools

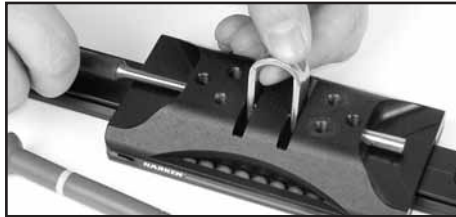
- Small slotted screwdriver
- Icepick
- Phillips screwdriver



1. Remove control blocks or swivel ears on windward assembly.



2. Remove two (2) plastic set screws on top of car and use icepick to push pivot pin to one side and remove shackle.



4. Install one (1) plastic set screw so it is flush with top of car.



5. Insert toggle so large flat end of rubber is up. Press down and push pivot pin into place.



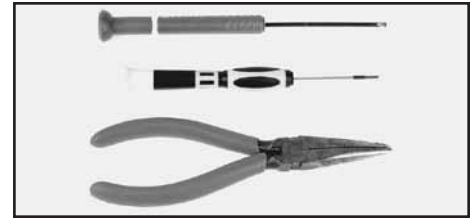
6. Secure with set screw or swivel ear screw. Assemble control blocks using blue Loctite® on screws.

Note: Use Loctite® on stainless screws only. Do not use on plastic set screws.
Note: 1638 Only—do not reinstall car control blocks.

Install Mainsheet Block on 1561/1638 Toggle

Tools

- 2 Small slotted screwdrivers
- Clevis pin 1/4" (6 mm) only
- Needle-nose pliers



5/16" (8 mm) Clevis Pin

1. Remove block shackle. Insert block.



Insert 5/16" (8 mm) clevis pin through toggle.

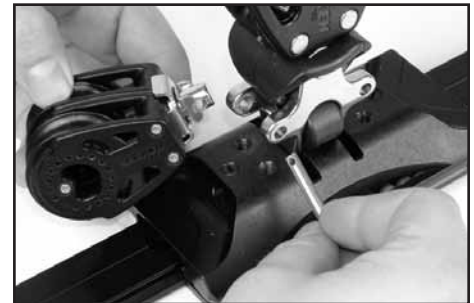
2. Secure with cotter pin.



Install Control Blocks on 1638 Toggle

3/16" (5 mm) Clevis Pin

1. Remove pins from tangs on toggle. Place block headpost between tangs.



Note: If you are using double control blocks add the U-Lock to align blocks and keep them from swiveling.

2. Install the pins and split rings.

