RAM® Tough-Tray™ Locking Kit with Pin-Lock Knob (Side A)

- A. 1/4"-20 X 10 1/2" Long Threaded Rod
- B. 1" X 3/4" X 9 3/8" Long Steel Tube
- C. 3/8" OD X 6 1/2"Long Tube
- D. Spring (Replaces Original Spring)
- E. Composite Flange with Bose
- F. Composite Wedges (QTY. 2)
- G. 1/4"-20 Nylock Nut
- H. 1/4" Flat Washer (QTY. 2)



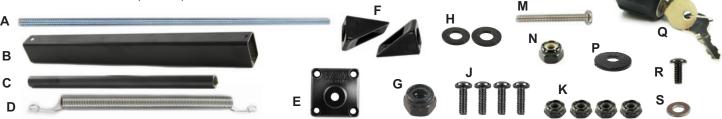
K. #8-32 Thin Nylock Nuts (QTY. 4) M. #8-32 X 1 ½"Long Machine Screw

N. #8-32 Nylock Nut (Thick Nut)

P. 3/4" OD X 1/4" ID Black Composite Washer Q. Locking Knob with Key

R. #8-32 X 3/8" Long Machine Screw

S. #8 Flat Washer



Before assembling, completely remove original spring that came with your Tough-Tray™



1. Thread (G) Nut onto (A) Rod with 3/8" of threading with 3/8" of threading protruding from (G) Nut, assemble in order: (F) Wedges, 1 (H) Washer, (C) Tube, and 2nd (H) Washer.



2. Attach (E) Flange to main tough tray slide using (J) Screws and (K) Nuts. RAM Logo must face upright.



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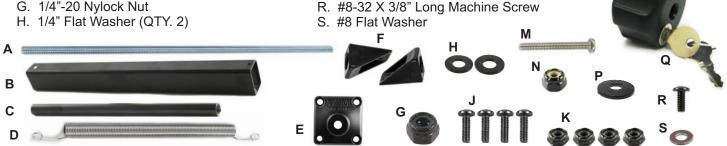
RAM® Tough-Tray™ Locking Kit with Pin-Lock Knob (Side A)

- A. 1/4"-20 X 10 1/2" Long Threaded Rod
- B. 1" X 3/4" X 9 3/8" Long Steel Tube
- C. 3/8" OD X 6 1/2"Long Tube
- D. Spring (Replaces Original Spring)
- E. Composite Flange with Bose
- F. Composite Wedges (QTY. 2)

- J. #8-32 X ½" Long Machine Screw (QTY. 4)
- K. #8-32 Thin Nylock Nuts (QTY. 4)
- M. #8-32 X 1 1/2"Long Machine Screw

N. #8-32 Nylock Nut (Thick Nut) P. 3/4" OD X 1/4" ID Black Composite Washer

Q. Locking Knob with Key



Before assembling, completely remove original spring that came with your Tough-Tray™



1. Thread (G) Nut onto (A) Rod with 3/8" of threading with 3/8" of threading protruding from (G) Nut, assemble in order: (F) Wedges, 1 (H) Washer, (C) Tube, and 2nd (H) Washer.



2. Attach (E) Flange to main tough tray slide using (J) Screws and (K) Nuts. RAM Logo must face upright.



RMR-INS-234-LK

RAM® Tough-Tray™ Locking Kit with Pin-Lock Knob (Side A)

3. On slide-portion of tray, install one end of (D) Spring using #8-32 Machine Screw, Washer and Nylock Nut from existing Tough Tray (Screwn, Nut and Washer not included with this kit).

Note: Spring must be offset **below** screw head as shown.



Slide-Portion of Tray

4. Assemble Tough Tray Main Slide into the Tough Tray Main Housing, insert (M) screw from top surface into housing and slide end of (D) Spring over (M) Screw as shown, followed by Washer from Tough-Tray kit.



5. Insert (B) Tube into Tough Tray Main Housing (Large hole must be on end with screw). Slide tube over (M) Screw and gently secure it with (N) Thick Nut. **Do not over-tighten.**



6. Pull Tough Tray Main Slide out of Main Housing and wedge as shown.



7. Fully insert Threaded Rod Assembly from **Step 1** into (B) Tube until it stops.



8. Close Main Tough Tray Slide over (A) Threaded Rod, install (P) Washer, lubricate threads with oil or grease then install (Q) Locking Knob. Install (S) Washer and ® Screw to (B) Steel Square Tube.



RAM Mounting Systems | 8410 Dallas Ave S Seattle, WA 98108 | Phone: (206) 763-8361 | Fax: (206) 763-9615 | www.rammount.com | support@rammount.com

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RAM® Tough-Tray™ Locking Kit with Pin-Lock Knob (Side A)

3. On slide-portion of tray, install one end of (D) Spring using #8-32 Machine Screw, Washer and Nylock Nut from existing Tough Tray (Screwn, Nut and Washer not included with this kit).

Note: Spring must be offset below screw head as shown.



4. Assemble Tough Tray Main Slide into the Tough Tray Main Housing, insert (M) screw from top surface into housing and slide end of (D) Spring over (M) Screw as shown, followed by Washer from Tough-Tray kit.



5. Insert (B) Tube into Tough Tray Main Housing (Large hole must be on end with screw). Slide tube over (M) Screw and gently secure it with (N) Thick Nut. **Do not over-tighten.**



6. Pull Tough Tray Main Slide out of Main Housing and wedge as shown.



7. Fully insert Threaded Rod Assembly from **Step 1** into (B) Tube until it stops.



8. Close Main Tough Tray Slide over (A) Threaded Rod, install (P) Washer, lubricate threads with oil or grease then install (Q) Locking Knob. Install (S) Washer and ® Screw to (B) Steel Square Tube.



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