

Supplemental Information & Instructions for 900-990 HOIST, HARDTOP MIATA 90-05

KIT CONTENTS

- 1 x Strap Harness
- 1 x Pulley Assembly (2 Pulley Blocks, Rope, & Snap Hook)
- 1 x Screw-in Hook
- 1 x Rope Cleat
- 2 x Wood Screws
- 1 x Wood Block

This instruction set is divided into three sections. Please be sure to read through the entire set before beginning.

DISCLAIMER: MOSS MOTORS WILL NOT BE HELD RESPONSIBLE FOR DAMAGE CAUSED BY AN INCORRECT INSTALLATION OF THIS PRODUCT.

PART ONE - LIFT SYSTEM

The screw hook used to suspend the pulley assembly must be installed into a structurally-sound ceiling beam, joist, or support piece. Its location must be centered over the balance point of the top (See PART TWO). Locate a suitable storage site for your top, and install the supplied screw hook. *NOTE: Contact a contractor if you are unsure about how to locate a proper beam.*

For the cleat, find a vertical wall stud at a convenient location and attach the cleat in a vertical position (parallel to the wall stud) using the supplied wood screws. If the garage has been finished (i.e. drywalled), first affix the supplied wood block over the drywall in a vertical position using two "16 penny" nails (not supplied) to attach the block to the stud behind the drywall. Then screw the cleat to the wood block in the position shown in **Figure 2**.

Finish the installation of the lift system by linking the top ring on the pulley assembly to the recently installed screw hook.



Fig. 1 – Kit Contents



Fig. 2 – Wood Block & Cleat



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PART TWO – STRAP HARNESS

After installing the lift system, pull the lift line to raise the pulley assembly such that the snap hook is located a few inches above your Miata roof line. Tie off the lift line at the recently installed line cleat.

Locate your Miata under the pulley so that the snap hook is located approximately 4-6 inches in front of the top edge of the rear window. Release the top from the car according to the Mazda Owner's Manual but do not remove.

Lay the strap harness across the top, as shown in **Figure 3**, with the lateral tie strap towards the rear and the securing rings towards the front. Align the lift ring at the center of the harness to a point approximately 4-6 inches in front of the top edge of the rear window (directly underneath the hanging snap hook) as shown in **Figure 4**.

Make sure the rear lateral tie strap is set down near the lower edge of the rear window and tuck the loose straps under the top as shown in **Figure 5**. *NOTE: Make sure the straps are located on the outside of the chrome hold-down brackets as shown.*

Lift the front edge of the top and slip the front straps underneath the top as shown in **Figure 6**. *NOTE: When tightened down, the front straps must be located between the outer corner of the top and the outer edge of the roof latch as shown in the figure.*



Fig. 3 – Harness Orientation



Fig. 4 – Balance Point Location



Fig. 5 – Harness Tuck, Rear



Fig. 6 – Harness Tuck, Front



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(PART TWO continued)

Bring the front straps towards the rear straps. Latch the pair of rings on the left front strap to the snap hook on the left rear strap as shown in **Figure 7**. Repeat for the right side. *NOTE: After securing one buckle, it may be difficult to secure the second. You may find it easier to slide one of the front straps over the front roof latch (towards the centerline of the top) prior to buckling. After buckling, be sure to slide the strap back in place like in Figure 6.*

NOTE: Make sure both rings are attached to the snap hook as shown in the image. This allows a friction fit to facilitate tightening.

Taking note of the correct location for the lift ring (Figure 4), evenly tighten the harness by pulling and/or twisting the left and right front straps as shown in **Figure 8**. The lower half of the loop will slacken while the top half of the loop will remain taught. Loosen the harness by aligning the rings as shown in **Figure 9**.



Fig. 7 Buckled Harness



Fig. 8 – Tighten Harness



Fig. 9 – Loosen Harness



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PART THREE - LIFTING AND SECURING

Untie the lift rope from the cleat to carefully lower the pulley assembly enough to clip the lift ring, on the harness, to the pulley assembly snap hook. Checking clearances around you lift the top until it is completely clear of the car. Tie off the lift line to the cleat by making 2-3 series of "figure 8's" and finishing the knot as shown in **Figures 10, 11, & 12**. Pull the loose line to tighten the knot created by **Figure 12**. *NOTE: The top may swing slightly if the pulley assembly is not located directly over the lift ring.*



Fig. 10 – Tie Cleat, Step 1



Fig. 11 – Tie Cleat, Step 2



Fig. 12 – Tie Cleat, Step 3



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