WARNING:

DYNOMETERS ARE UNDER A LARGE AMOUNT OF FORCES ACTING UPON THEM
HAND DYNOMETERS PARTICULARLY ARE UNDER CANTILEVER FORCES DUE TO THE LONG HANDLE
THE DYNOMETER WILL TRY TO LIFT OFF THE TABLE DURING OPERATION
ENSURE THE DYNOMETER IS PROPERLY SECURED TO A PERMANENT FIXTURE

DO NOT HANG ON THE DYNOMETER

WEAR PROPER EYE PROTECTION

PERFORM A VISUAL CHECK ON DYNO HARDWARE AND COMPONENTS BEFORE EACH USE

ALWAYS TAKE THE FIRST STROKE ON ANY SHOCK
SLOWLY WITH 1 HAND
AND VERIFY PROPER ACTION
AND 0 INTERFERENCES

DO NOT FULLY COMPRESS STROKE LENGTH OF SHOCKS ON
FULLY CHARGED AIR OR COIL SPRINGS

ARM SHOULD NOT BE POINTING DOWNWARDS
AT ANY TIME DURING SHOCK TESTING OPERATION

FAILURE TO FOLLOW THESE PROCEDURES COULD RESULT
IN THE SHOCK BECOMING DISMOUNTED
PERSONAL INJURY
OR PROPERTY DAMAGE

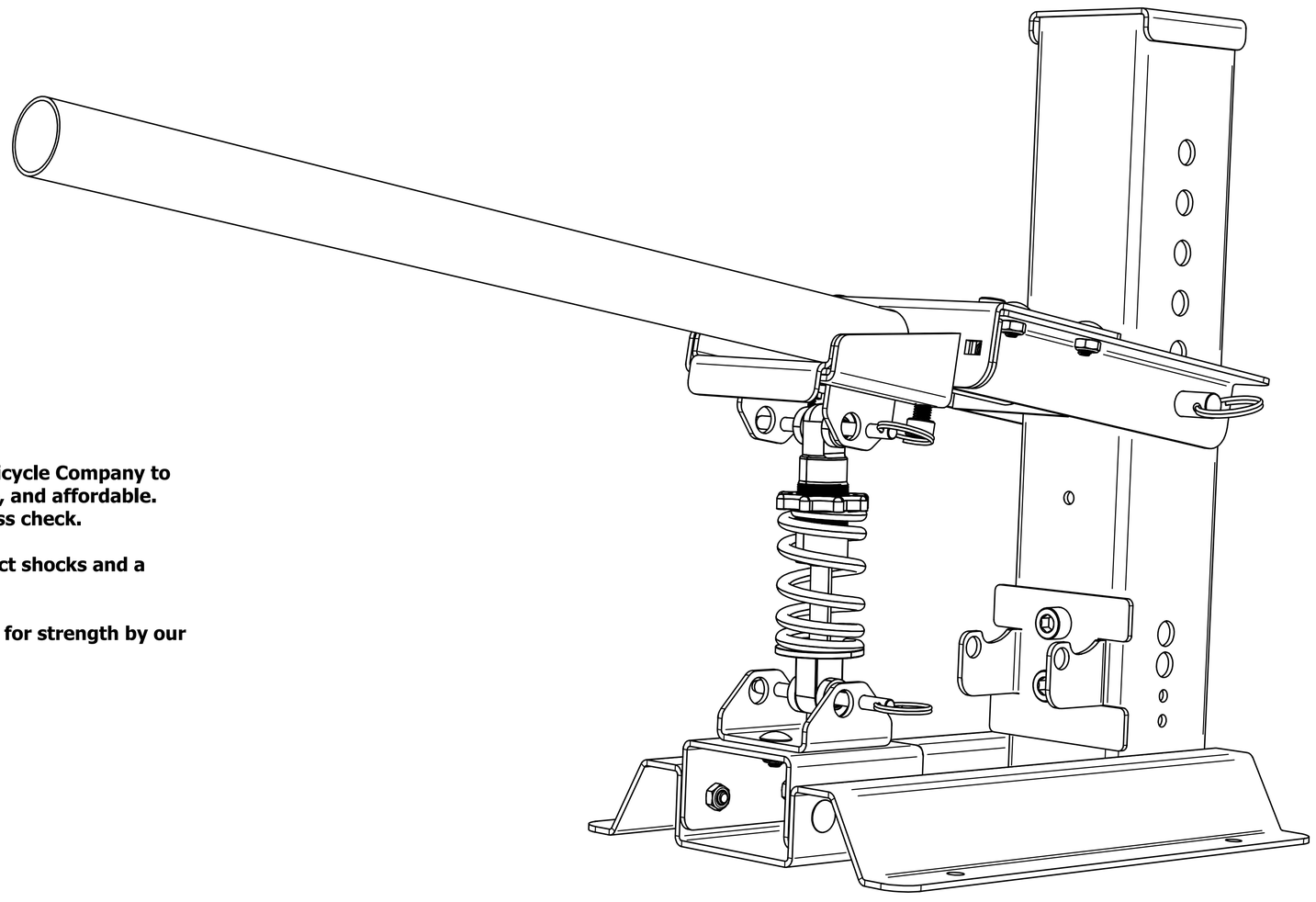
UP.BIKE

PRODUCT: TH-24 HAND DYNO FOR REAR BIKE SHOCKS

OPERATING INSTRUCTIONS

up.bike

RAISE YOUR GEAR



Finally an affordable hand rear shock dyno!

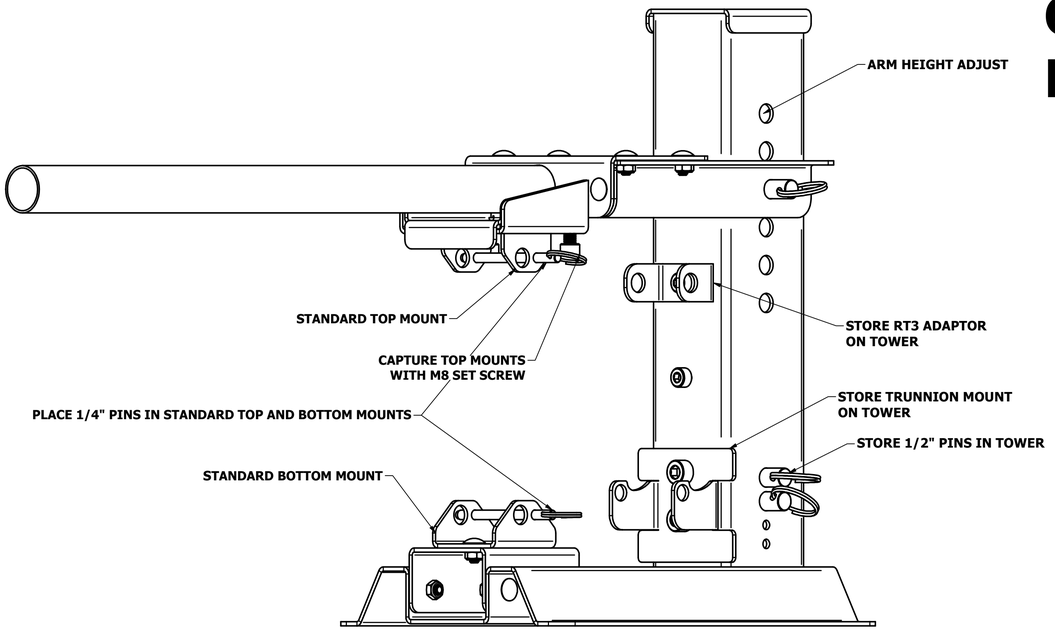
We teamed up with shock tuner and builder Travis Cole at Anvil Bicycle Company to design a dyno with three key objectives: universal, indestructible, and affordable. Finely rebuild and tune your rear shocks using a repeatable process check.

The Dyno includes adapters for Specialized RT3 style direct connect shocks and a trunnion mount connect as well.

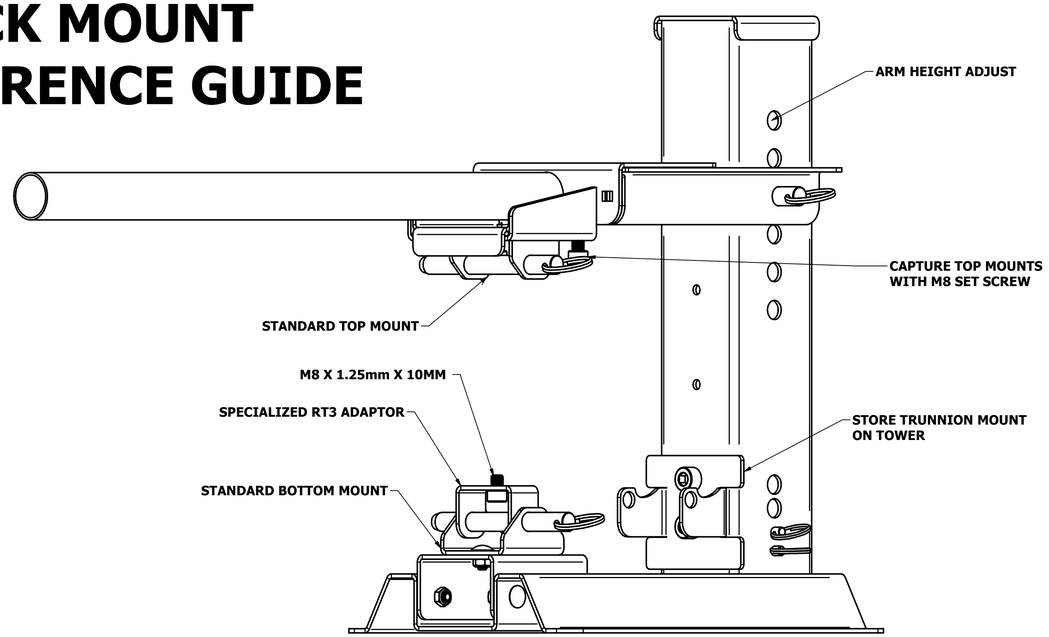
The Dyno is constructed using 304 12 gauge stainless and welded for strength by our AWS qualified fabricators to produce a lifetime product.

Up.bike your shop and take tuning to the next level!

QUICK MOUNT REFERENCE GUIDE

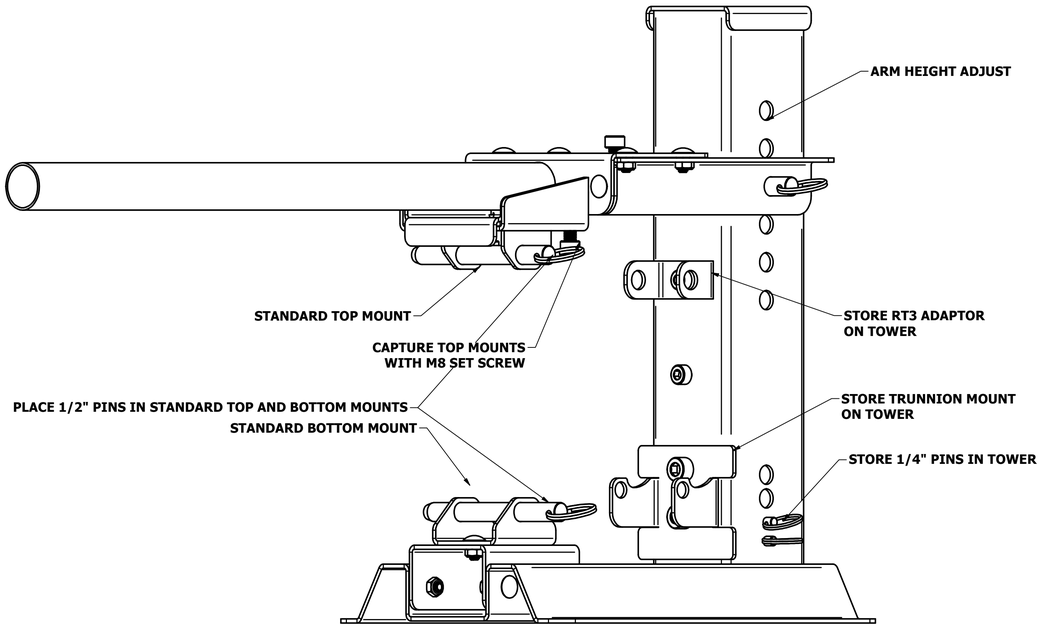


8MM PIN MOUNT

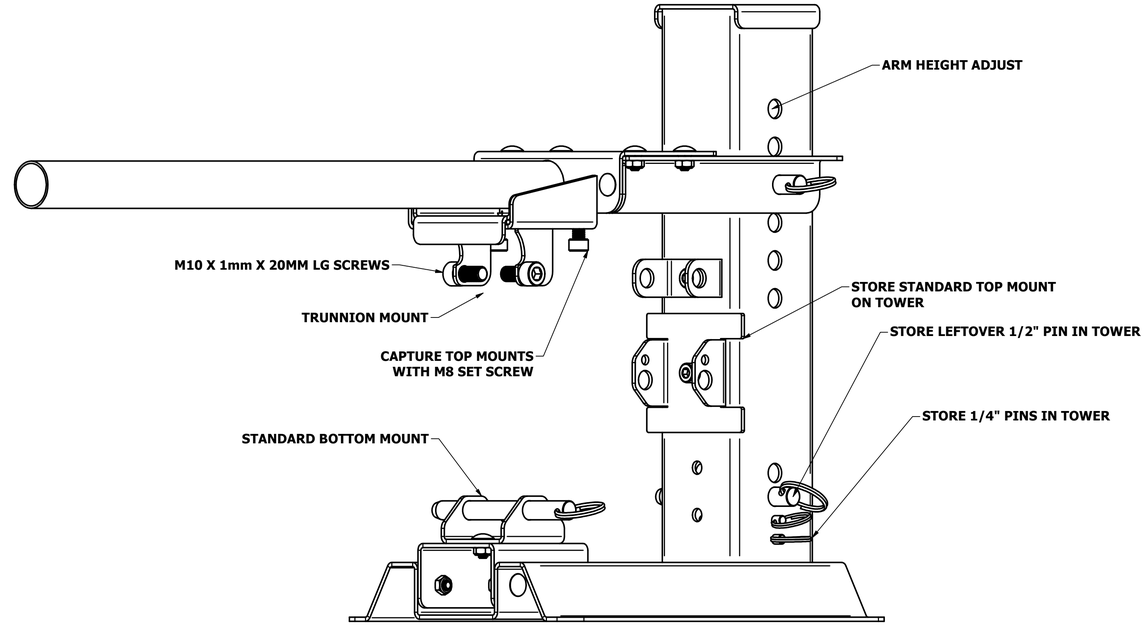


RT3 ADAPTOR

STANDARD 12MM PIN MOUNT



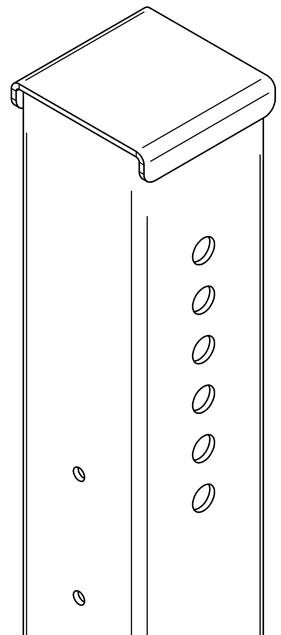
TRUNNION MOUNT

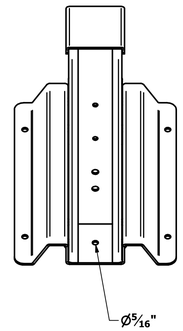


MOUNT TH-24

FIRST STEP BEFORE ANY OPERATION

DYNOMOTER MUST BE SECURED TO A WORK SURFACE



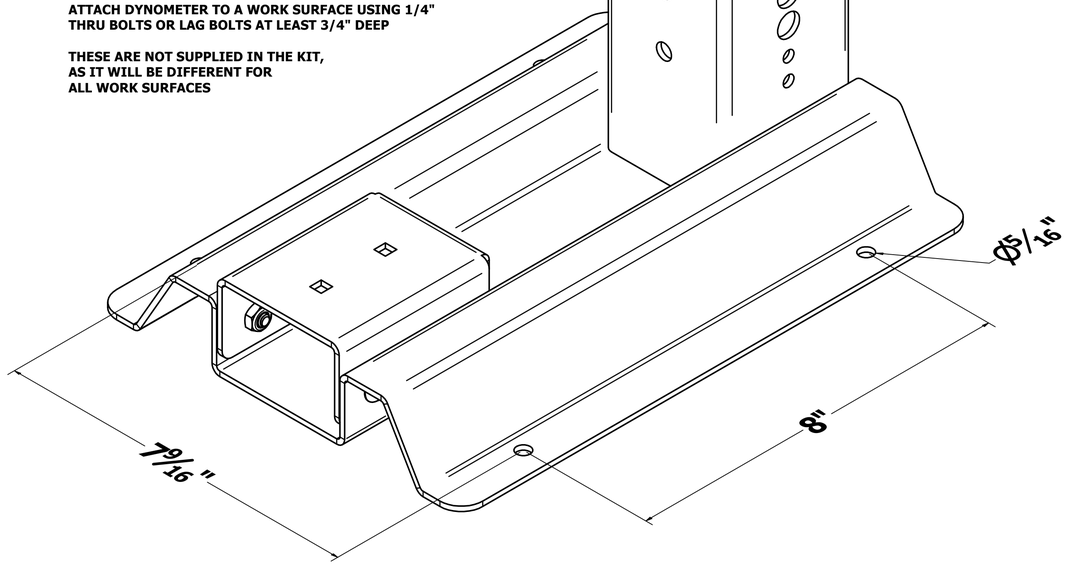


THERE IS A 5TH MOUNTING HOLE
ON THE INSIDE OF THE TOWER

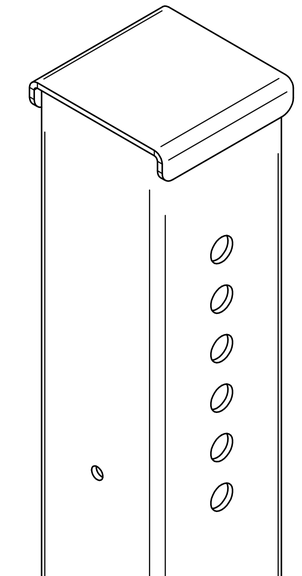
FIND THE CORRECT WORK SURFACE, PREFERABLY SOMEWHERE
PERMANENT THAT IS SECURED TO THE FLOOR
SUCH AS A WORKBENCH

ATTACH DYNOMETER TO A WORK SURFACE USING 1/4"
THRU BOLTS OR LAG BOLTS AT LEAST 3/4" DEEP

THESE ARE NOT SUPPLIED IN THE KIT,
AS IT WILL BE DIFFERENT FOR
ALL WORK SURFACES

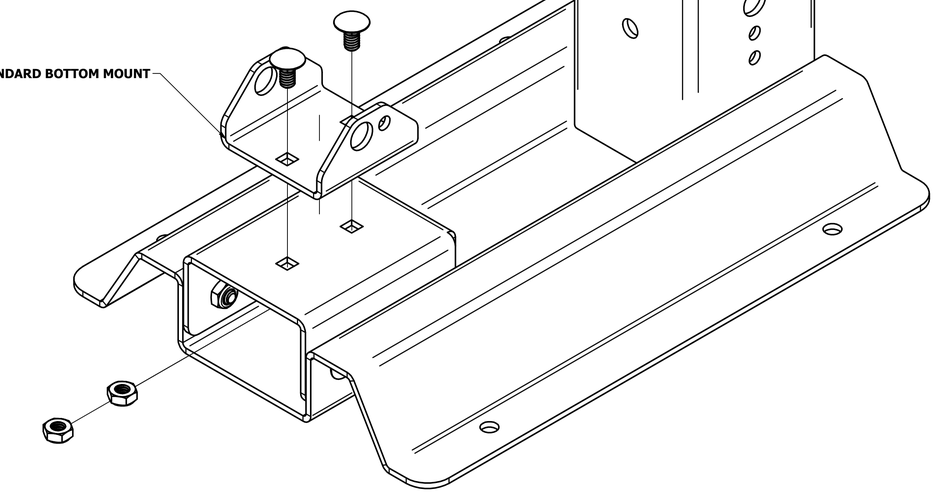


ATTACH "STANDARD BOTTOM MOUNT"

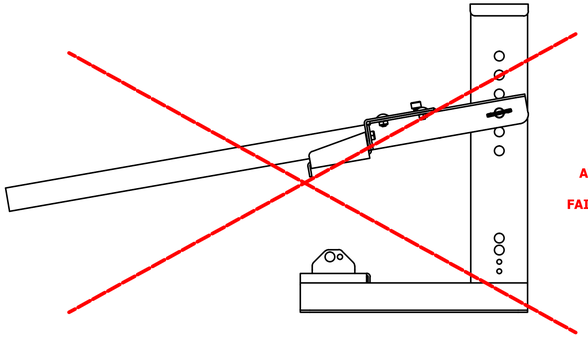


THE "STANDARD BOTTOM MOUNT" COVERS
12MM
8MM
MOUNTING PIN DIAMETERS

IT SHOULD BE MOUNTED AS SHOWN BELOW
USING PROVIDED HARDWARE
(2) 1/4" CARRIAGE BOLTS
(2) NYLOCK HEX NUTS



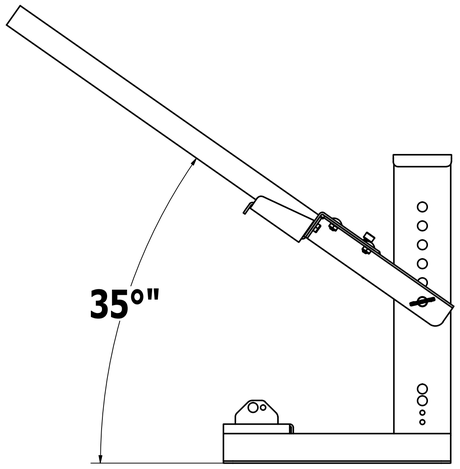
MOUNT ARM



WARNING:

ARM SHOULD NOT BE POINTING DOWNWARDS
AT ANY TIME DURING SHOCK TESTING OPERATION

FAILURE TO FOLLOW THIS PROCEDURE COULD RESULT
IN THE SHOCK BECOMING DISMOUNTED
PERSONAL INJURY
OR PROPERTY DAMAGE

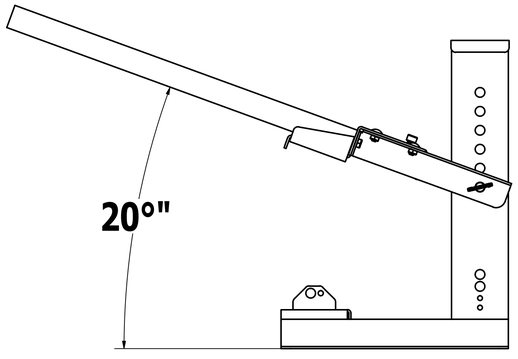


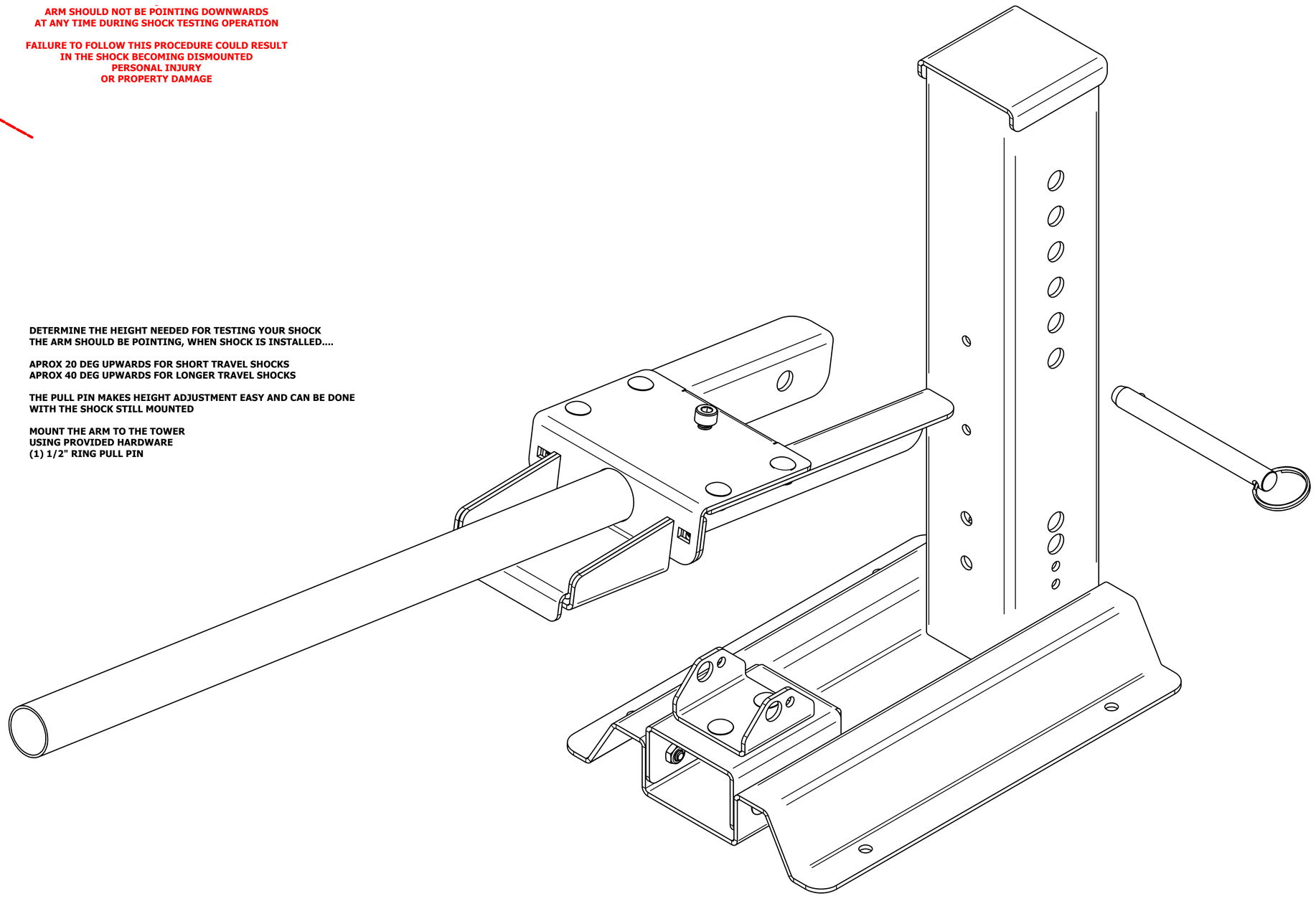
DETERMINE THE HEIGHT NEEDED FOR TESTING YOUR SHOCK
THE ARM SHOULD BE POINTING, WHEN SHOCK IS INSTALLED....

APROX 20 DEG UPWARDS FOR SHORT TRAVEL SHOCKS
APROX 40 DEG UPWARDS FOR LONGER TRAVEL SHOCKS

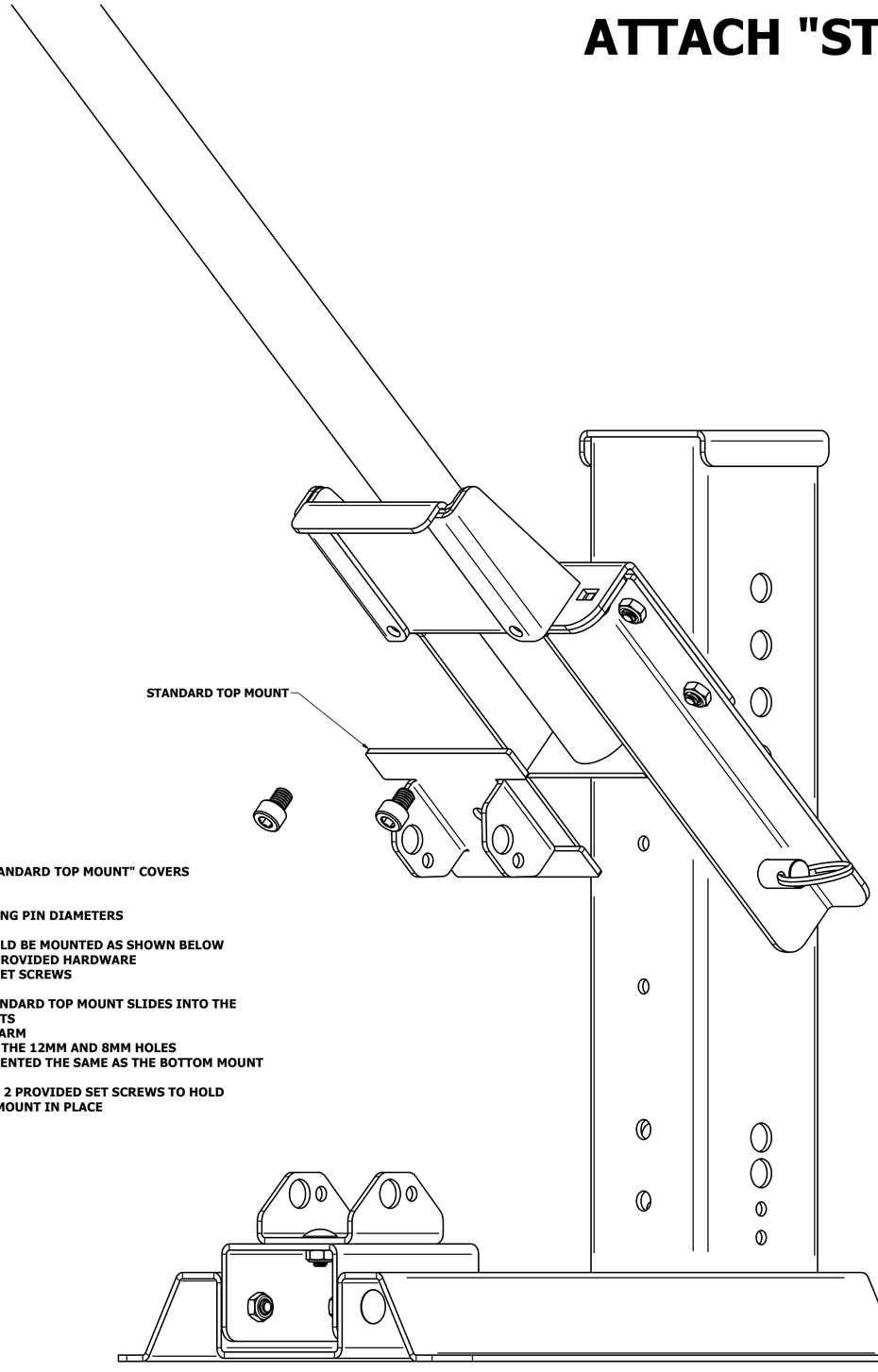
THE PULL PIN MAKES HEIGHT ADJUSTMENT EASY AND CAN BE DONE
WITH THE SHOCK STILL MOUNTED

MOUNT THE ARM TO THE TOWER
USING PROVIDED HARDWARE
(1) 1/2" RING PULL PIN





ATTACH "STANDARD TOP MOUNT"

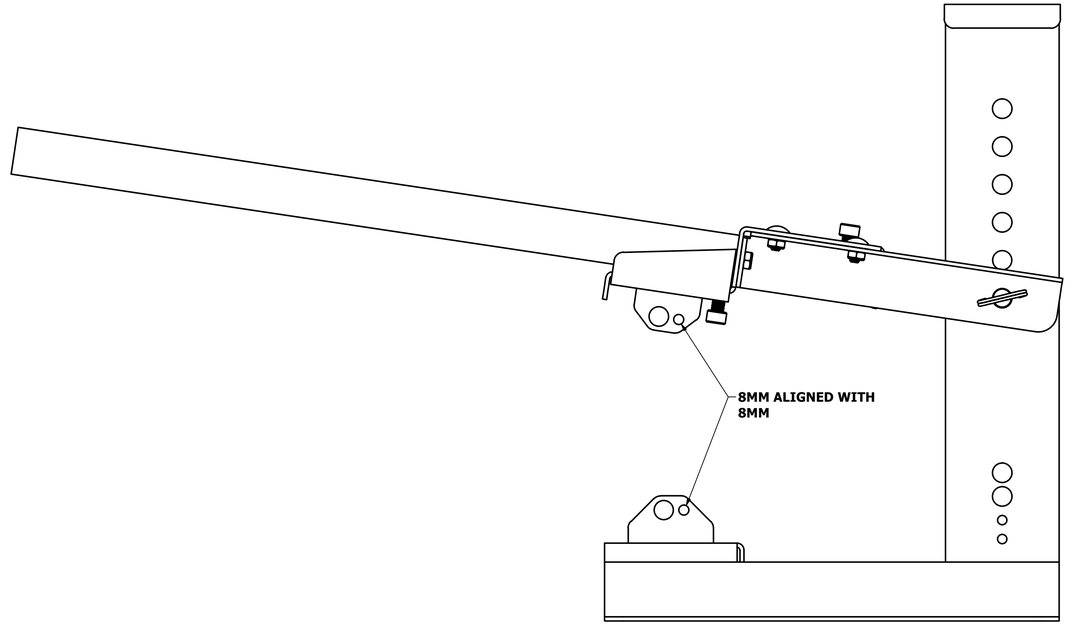


THE "STANDARD TOP MOUNT" COVERS
12MM
8MM
MOUNTING PIN DIAMETERS

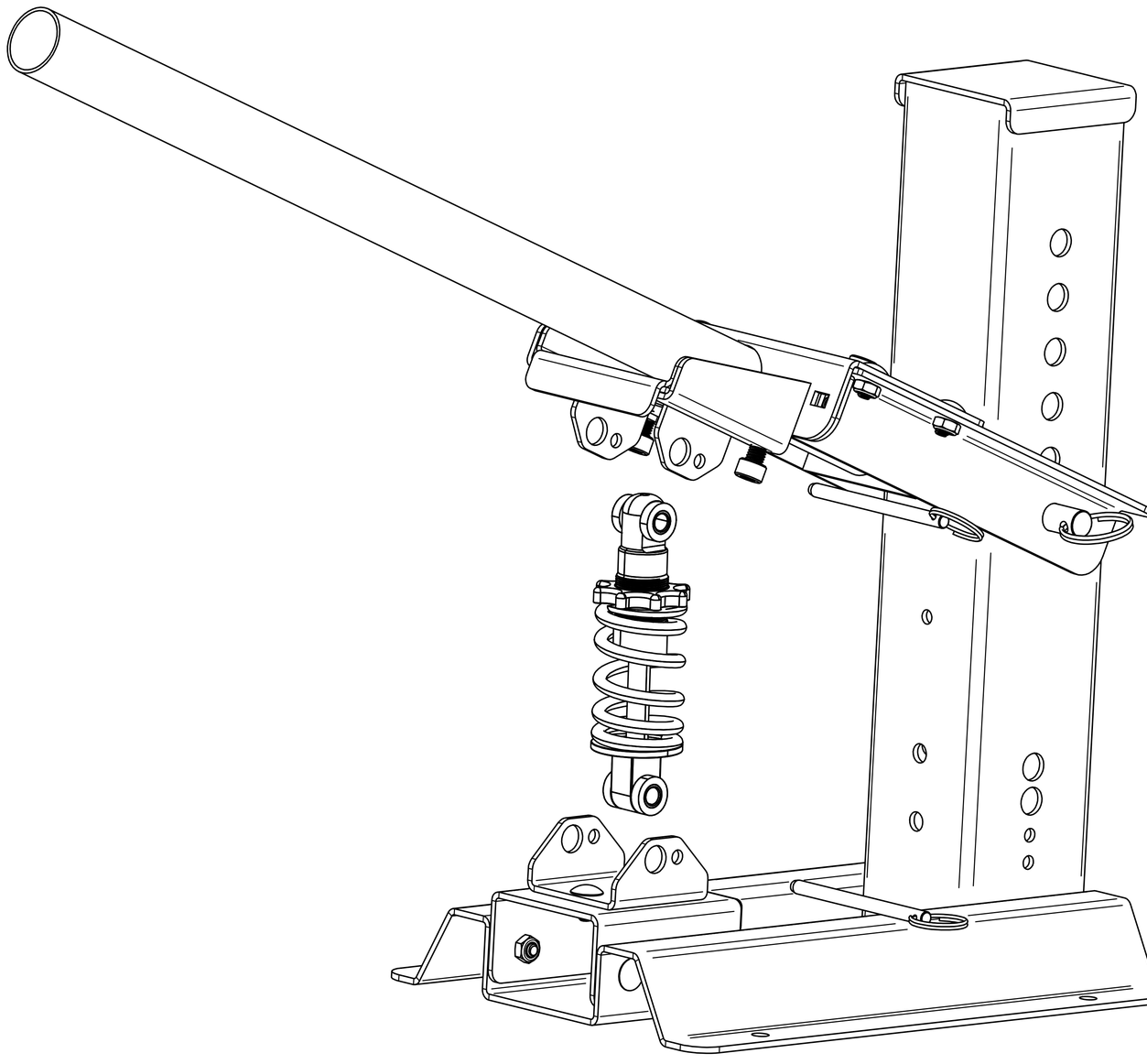
IT SHOULD BE MOUNTED AS SHOWN BELOW
USING PROVIDED HARDWARE
(2) M8 SET SCREWS

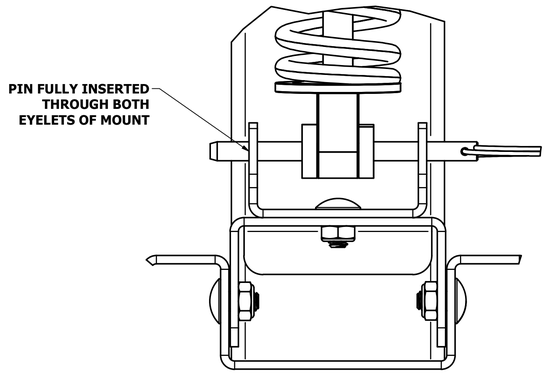
THE STANDARD TOP MOUNT SLIDES INTO THE
THE SLOTS
ON THE ARM
ENSURE THE 12MM AND 8MM HOLES
ARE ORIENTED THE SAME AS THE BOTTOM MOUNT

USE THE 2 PROVIDED SET SCREWS TO HOLD
SHOCK MOUNT IN PLACE

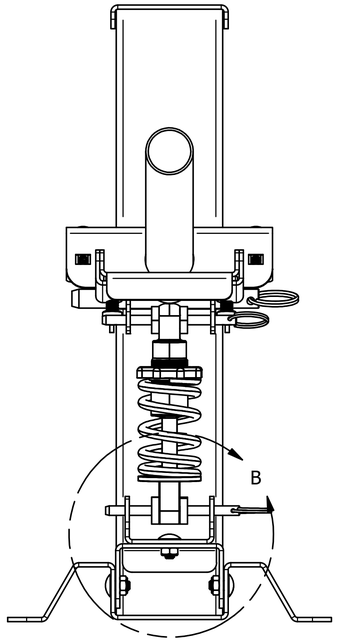


MOUNT SHOCK





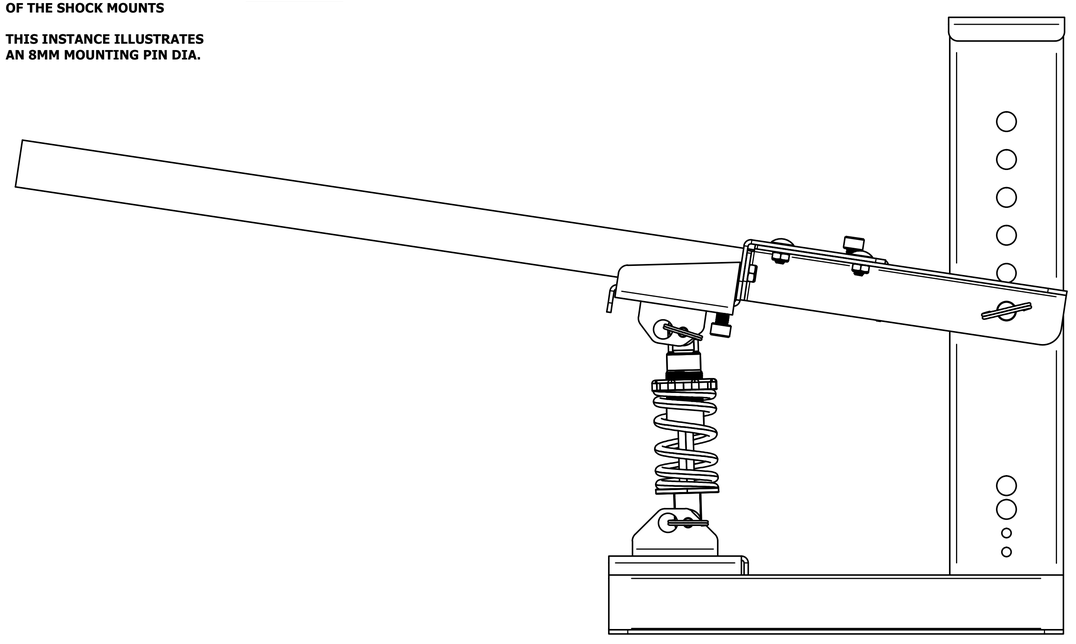
DETAIL B
SCALE 12" = 1'-0"



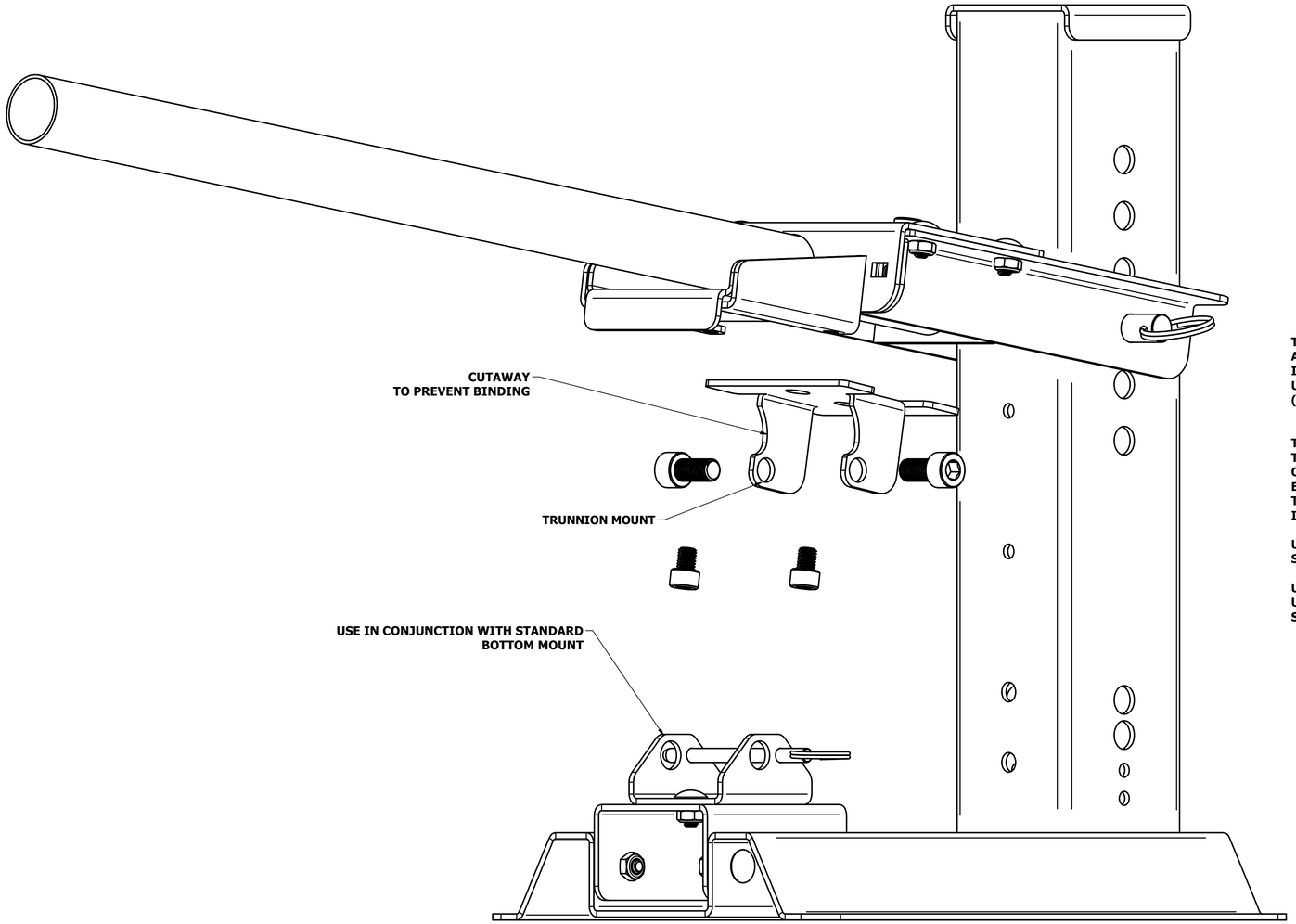
TO MOUNT A SHOCK USING STANDARD METHODS
USE THE PROVIDED HARDWARE
(2) 1/4" PINS FOR 8MM SHOCK PIN DIA
(2) 1/2" PINS FOR 12MM SHOCK PIN DIA

INSERT PULL RING PINS THROUGH FULLY UNTIL THEY ARE SECURE THROUGH BOTH EYELETS OF THE SHOCK MOUNTS

THIS INSTANCE ILLUSTRATES AN 8MM MOUNTING PIN DIA.



ATTACH "TRUNNION MOUNT"

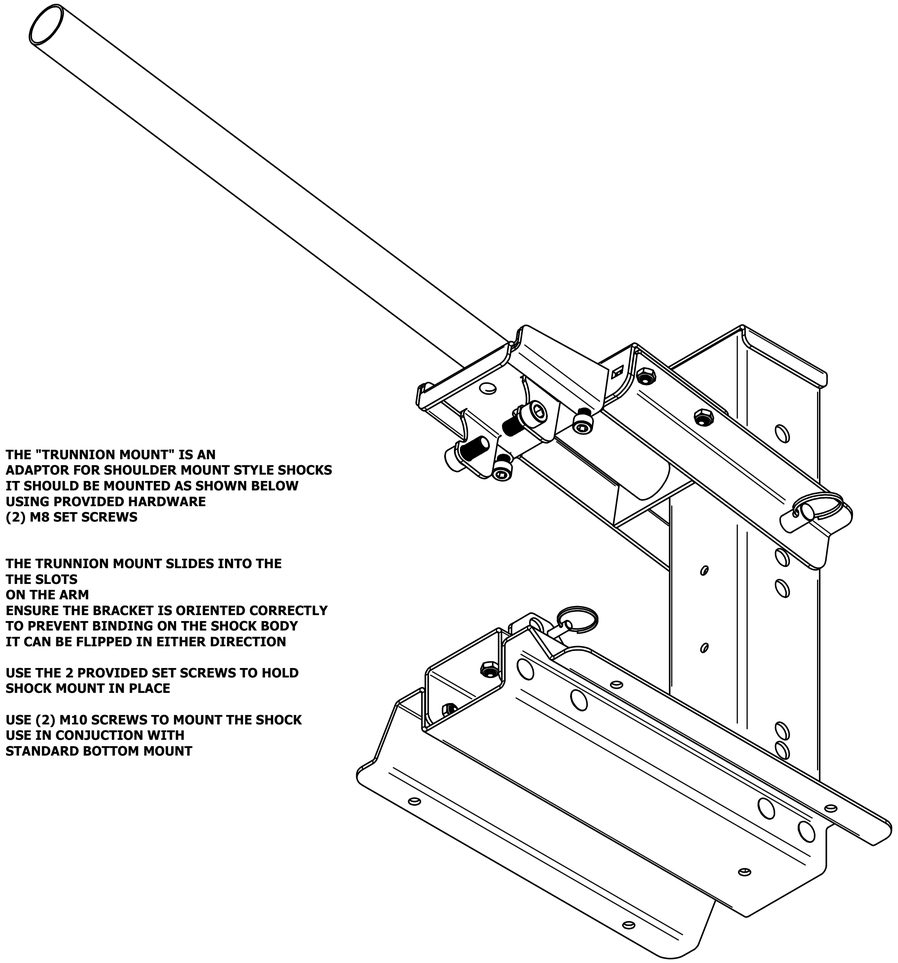


**THE "TRUNNION MOUNT" IS AN
ADAPTOR FOR SHOULDER MOUNT STYLE SHOCKS
IT SHOULD BE MOUNTED AS SHOWN BELOW
USING PROVIDED HARDWARE
(2) M8 SET SCREWS**

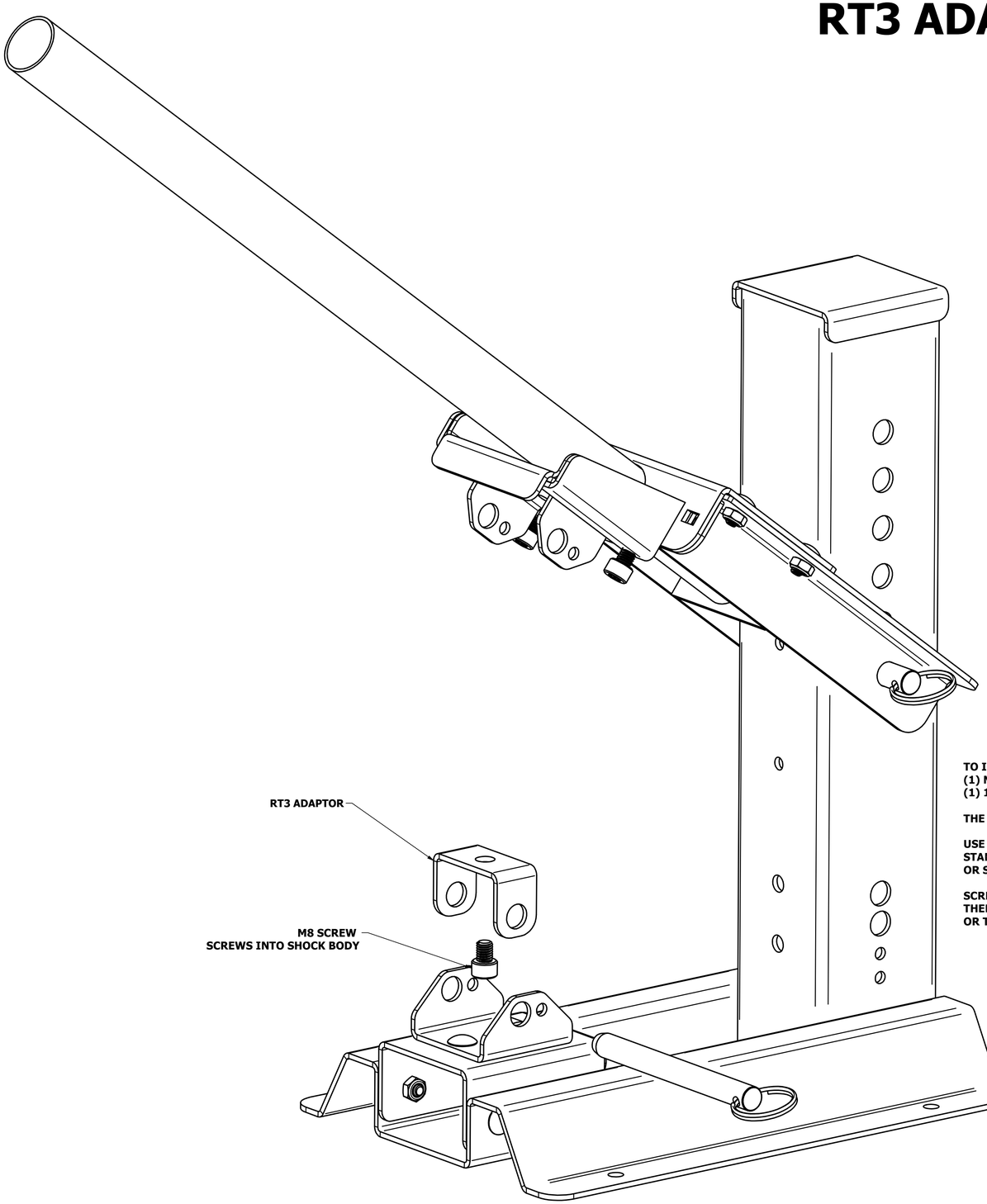
**THE TRUNNION MOUNT SLIDES INTO THE
THE SLOTS
ON THE ARM
ENSURE THE BRACKET IS ORIENTED CORRECTLY
TO PREVENT BINDING ON THE SHOCK BODY
IT CAN BE FLIPPED IN EITHER DIRECTION**

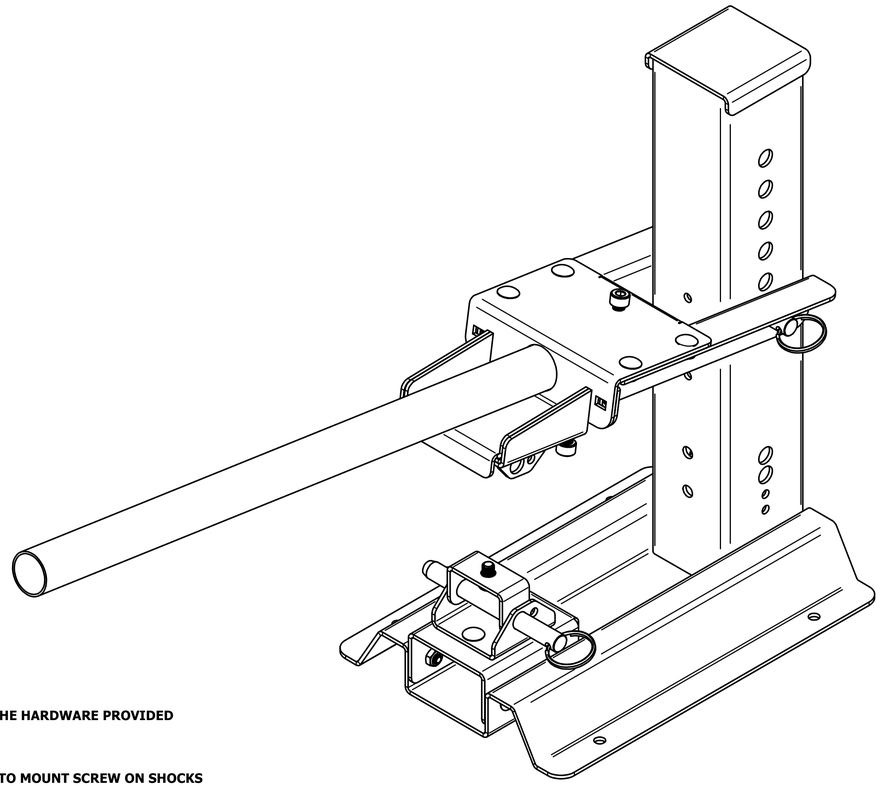
**USE THE 2 PROVIDED SET SCREWS TO HOLD
SHOCK MOUNT IN PLACE**

**USE (2) M10 SCREWS TO MOUNT THE SHOCK
USE IN CONJUCTION WITH
STANDARD BOTTOM MOUNT**



RT3 ADAPTOR





TO INSTALL THE RT3 ADAPTOR US THE HARDWARE PROVIDED
(1) M8 SCREW
(1) 1/2" PULL RING PIN

THE RT3 ADAPTOR IS SPECIALIZED TO MOUNT SCREW ON SHOCKS

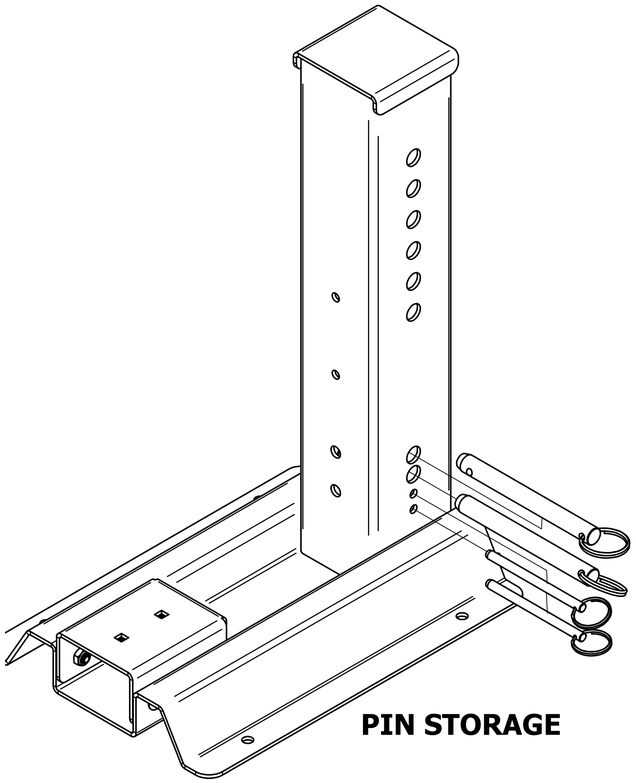
USE IN CONJUCTION WITH
STANDARD BOTTOM MOUNT
OR STANDARD TOP MOUNT

SCREW ADAPTOR TO SHOCK FIRST
THEN MOUNT SHOCK TO BOTTOM MOUNT
OR TOP MOUNT WHATEVER IS PREFFERED

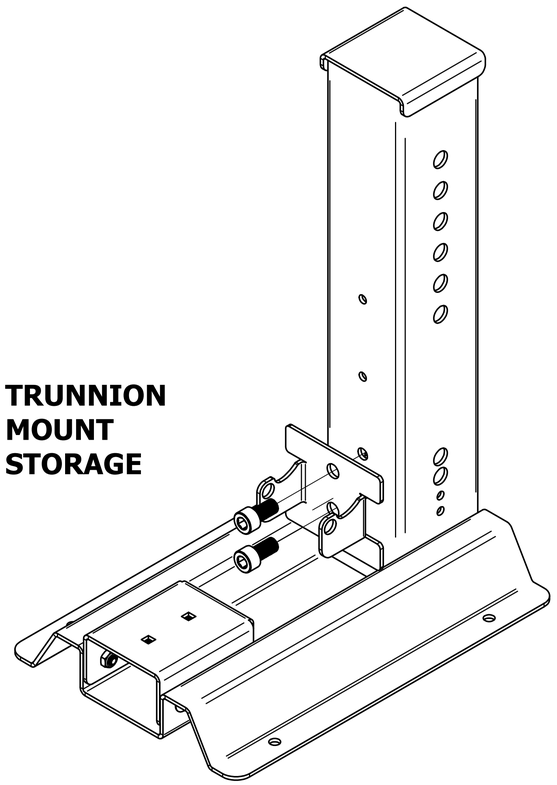
PART STORAGE

YOUR TH-24 HAND DYNO
COMES WITH ACCOMMODATIONS TO STORE
ALL ACCESSORIES DIRECTLY ON THE UNIT
SO YOU WILL NEVER HAVE TO DIG THROUGH A TOOL BOX TO
FIND THE RIGHT ACCESSORY FOR YOU SHOCK
WITH A FEW SIMPLE HAND TOOLS YOU CAN STORE/ AND CHANGE
MOUNTS ON YOU HAND DYNO WITH EASE ALL WHILE STAYING
ORGANIZED

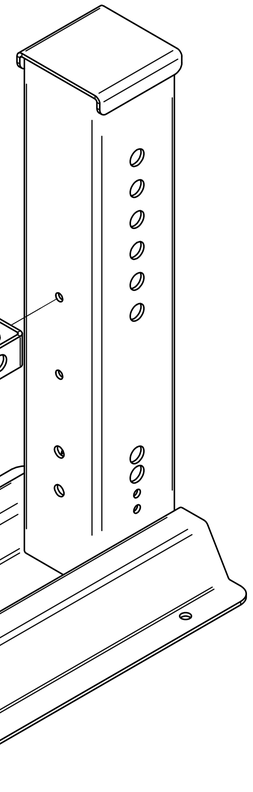
USE THE SAME HARDWARE FOR MOUNTING OF ADAPTORS
AS YOU USE FOR STORAGE



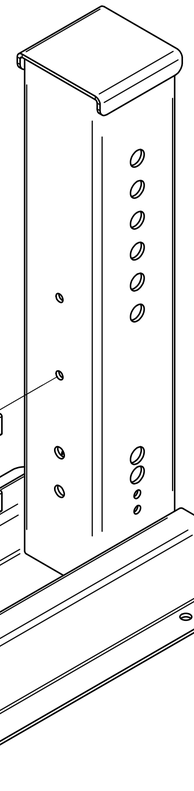
PIN STORAGE



TRUNNION
MOUNT
STORAGE



RT3 ADAPTOR
STORAGE



STANDARD
TOP MOUNT
STORAGE