AMETEK®
AUTOMATION & PROCESS TECHNOLOGIES

CATRAC
HEAVY DUTY CABLE AND HOSE CARRIES

CABLE AND HOSE CARRIER

CATRAC ASSEMBLY AND INSTALLATION SUPPLEMENT
REMOVAL OF EXCESS CAMBER FROM CATRAC

Unless specified otherwise, all CATRAC systems will be shipped from the factory with a positive camber. The amount of camber will vary with the CATRAC size, load to be carried, type of material used (i.e. aluminum, steel etc.) or the amount of camber specified by the customer.

Occasionally, the CATRAC may have more camber than can be accommodated in a specific application. It may then become necessary to remove camber in the field before installation. If removal of camber in the field is required, the following procedures can be utilized.

CAUTION: Care must be used when attempting to remove camber in the field to prevent damage to the CATRAC system. Never attempt to remove all excess camber in one operation. If too much camber is taken out, it cannot be put back in! A negative camber can be achieved, which may lead to premature CATRAC failure. The amount of camber taken out each time an adjustment is made will vary from system to system. Generally, the higher the link is, the larger the pin and bolt diameter is, camber removal becomes more difficult. Therefore, it is very important to check the amount of camber taken out after each adjustment. Changes to drop heights **(FIG. #2)** and the amount of down force **(FIG. #3)** will have to be made as required to achieve desired overall camber height.

STEP 1: Position the CATRAC upside down on the floor as shown in **(FIG. #1)**. Measure the amount of positive camber present in the CATRAC at the center line of the system. For CATRAC systems in excess of (10) feet long, a wood block extending at minimum of 6” beyond both sides of the system should be placed below the CATRAC as shown. This helps to prevent the CATRAC from deflecting excessively.

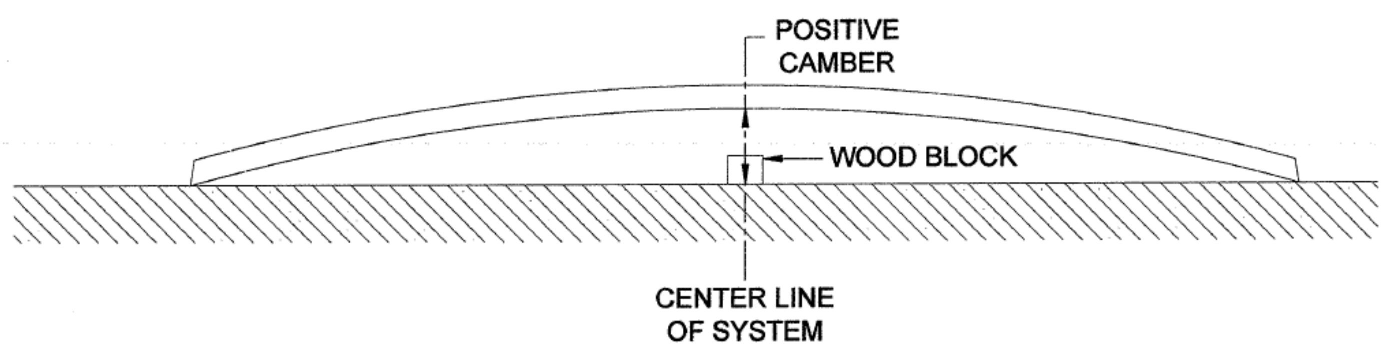

FIG. 1

STEP 2: Pick one end of the CATRAC up off the floor approximately 18 inches. Making sure your body and any foreign objects are clear of the CATRAC, drop the end on the floor. Make sure the CATRAC drops straight down and does not twist. Measure the amount of camber removed, if necessary, move to the opposite end and repeat the procedure making measurements until the desired camber is achieved.

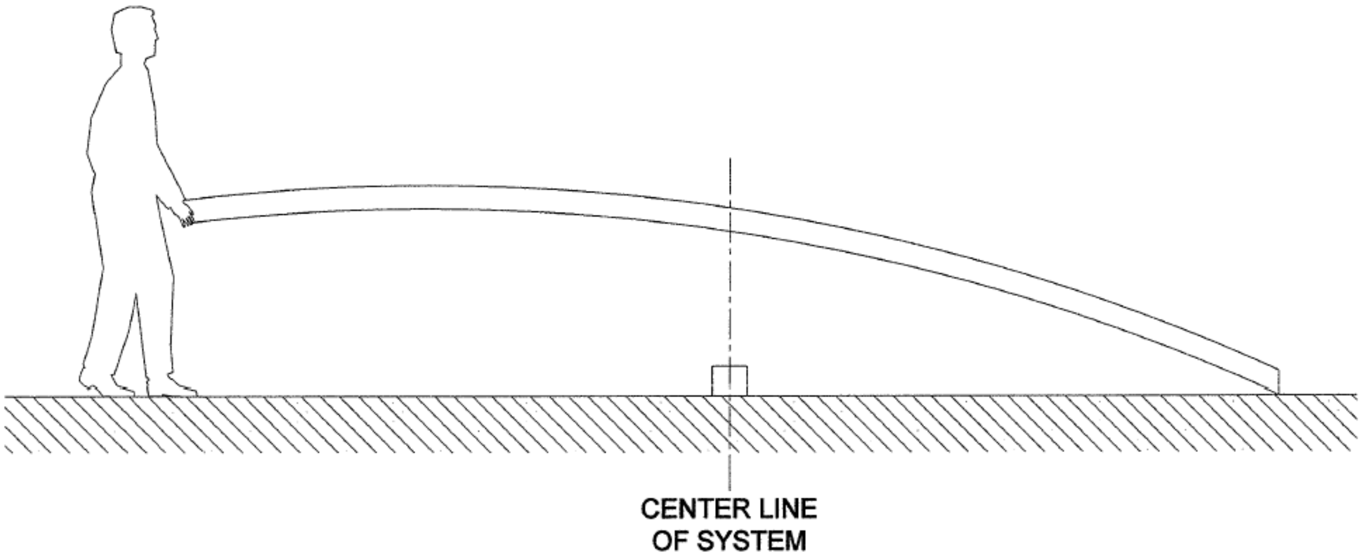

FIG. 2

STEP 3: An alternate method to use when the CATRAC weight exceeds safe lifting limits is shown in **(FIG. #3)**. Applying a downward force and bouncing motion, the CATRAC camber can be removed as desired. Working from one end of the CATRAC to the other using equal amounts of force and bounce will ensure uniform camber removal.

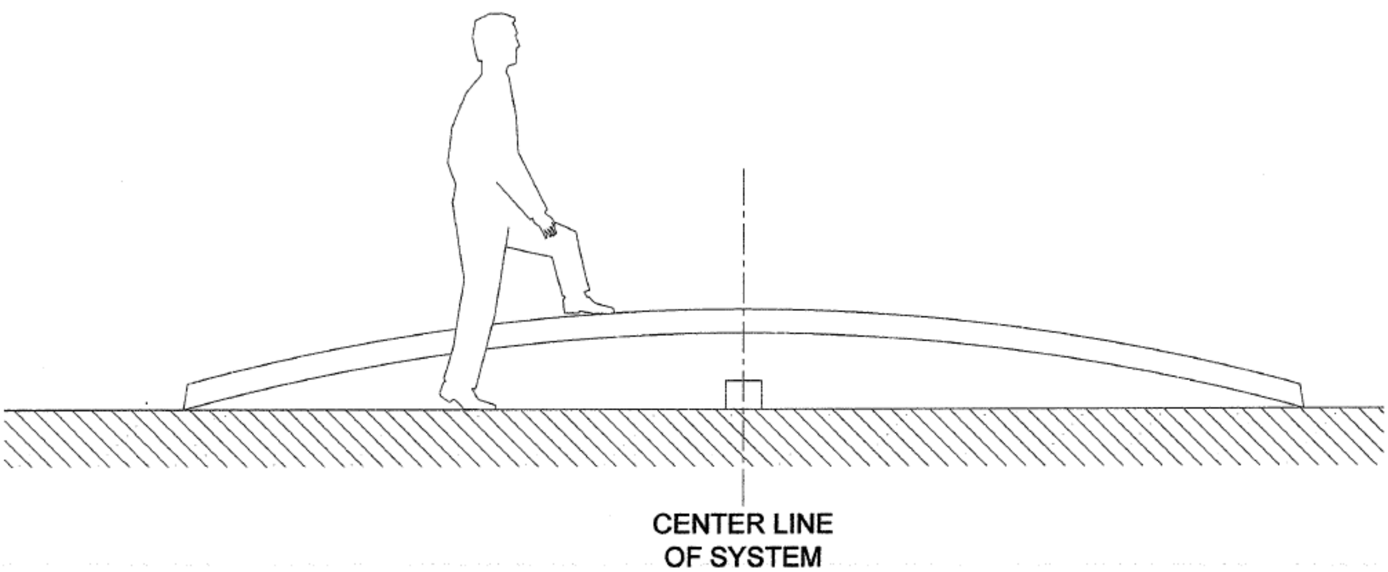

FIG. 3

NOTE: AMETEK will not assume responsibility for damage done to CATRAC by the customer when removing camber unless authorization has been given by the factory prior to attempting the procedure.