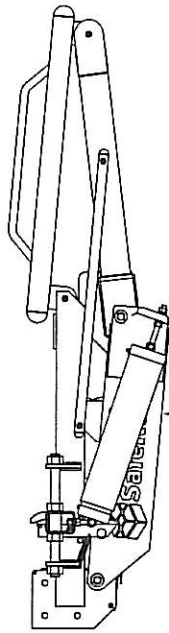


REPLACEMENT SPRINGS



ELEVATION VIEW

GANGWAY MUST BE IN STORED POSITION WITH CHAIN STOPS LOCKED IN PLACE

INSTRUCTIONS (TYPICAL BOTH SIDES OF GANGWAY)

NOTE:
BEFORE BEGINNING SPRING REPLACEMENT, GANGWAY MUST BE IN THE UPRIGHT/STORED POSITION WITH BOTH SAFETY CHAINS LOCKED AND SECURED IN PLACE.

- 1) WHEN REPLACING IDENTICAL SPRINGS, MARK LOCATION OF NUTS ON THREADED ROD OF BASE TREAD SPRING BRACKET AND EYEBOLT ON BODY SPRING BRACKET SO THEY CAN BE RELOCATED BACK IN THE SAME POSITION.

NOTE: MARKING NUT LOCATION WILL NOT BE NECESSARY WHEN REPLACING SPRINGS BECAUSE OF A CAGE ADDITION OR REMOVAL.

- 2) SLOWLY LOOSEN TOP JAM NUT OF YOKE TO RELEASE TENSION OFF OF SPRING YOKE. (YOKE MAY HAVE TO BE TAPPED UP TO LOOSEN) NOTE, THIS MAY NOT RELEASE ALL OF THE TENSION OFF OF THE SPRING. IF NOT, SLOWLY LOOSEN NUTS OF EYEBOLT ON BODY SPRING BRACKET TO RELEASE SPRING TENSION.
- 3) REMOVE EXISTING/BROKEN SPRING ASSEMBLY AND REPLACE WITH NEW SPRING ASSEMBLY.
- 4a) FOR IDENTICAL SPRING REPLACEMENT, SLOWLY TIGHTEN BASE AND BODY BRACKET NUTS DOWN TO ORIGINAL MARKED POSITIONS.
- 4b) FOR CAGE ADDITION/REMOVAL SPRING REPLACEMENT, SLOWLY TIGHTEN BASE AND BODY BRACKET NUTS DOWN FOLLOWING FIGURE BELOW FOR INITIAL SETUP. ALSO NOTE IN THE FIGURE BELOW THAT THE BASE TREAD SPRING MOUNT MAY NEED TO BE ADJUSTED SO THAT IT IS BETWEEN 3" TO 4" FROM THE BOTTOM OF THE BRACKET FOR CORRECTED SPRING PLACEMENT.

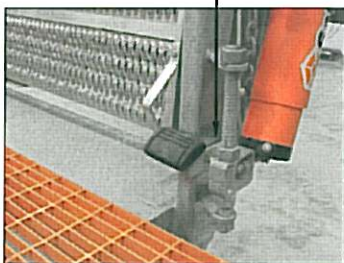
AFTER INITIAL SETUP, FOLLOW ADJUSTMENT GUIDE ON NEXT PAGE

REMOVE NUTS AT THIS POINT TO REMOVE AND REPLACE WITH NEW SPRING

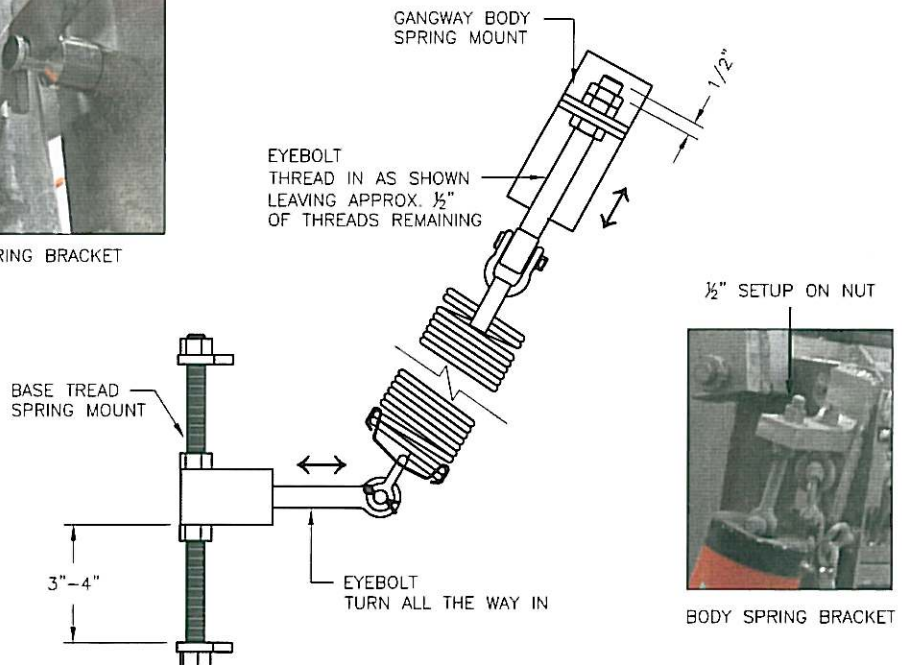


BASE TREAD SPRING BRACKET

START BRACKET LOW WHEN CAGE IS NOT USED



BASE TREAD SPRING BRACKET

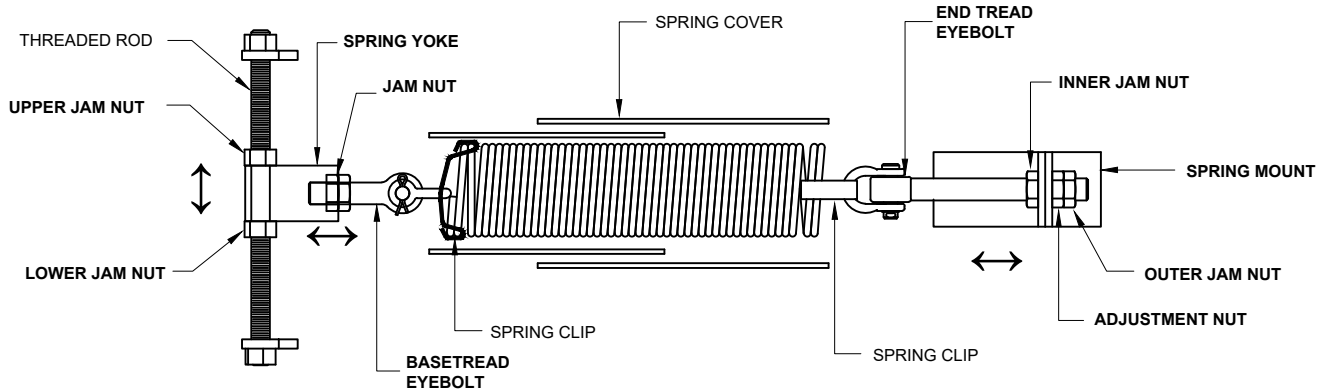


INITIAL SETUP FOR NEW SPRINGS

SPRING ADJUSTMENT GUIDELINES

WARNING:

ANY CHANGE IN THE WEIGHT OF THE GANGWAY OR CAGE CAN DRAMATICALLY EFFECT THE GANGWAY OPERATION. IF THE GANGWAY IS SUPPOSED TO HAVE A CAGE AND THE CAGE HAS NOT BEEN ATTACHED, DO NOT OPERATE THE GANGWAY UNTIL THE CAGE IS ATTACHED.



WARNING:

SPRING TENSION IS PRE-SET AT SafeRack FACTORY, WITNESS MARKS SHOULD BE MADE PRIOR TO MAKING ANY ADJUSTMENTS IN THE SPRING SYSTEM.

THE GANGWAY SPRINGS HAVE 3 AVAILABLE ADJUSTMENTS THAT CAN BE USED TO EFFECT THEIR PERFORMANCE:

SPRING YOKE ADJUSTMENTS:

RAISING THE SPRING YOKE WILL MAKE THE GANGWAY EASIER TO DEPLOY AND FEEL LIGHTER IN THE WORKING POSITIONS.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) RAISE THE UPPER JAM NUT ON THE THREADED ROD ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) RAISE THE LOWER JAM NUT AND SPRING YOKE TIGHT TO THE NEW POSITION.
- 4) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

LOWERING THE SPRING YOKE WILL MAKE THE GANGWAY HARDER TO DEPLOY AND FEEL HEAVIER IN THE WORKING POSITIONS.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) LOWER THE LOWER JAM NUT ON THE THREADED ROD ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) LOWER THE UPPER JAM NUT AND SPRING YOKE TIGHT TO THE NEW POSITION.
- 4) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

BASETREAD EYEBOLT ADJUSTMENTS:

EXPOSING MORE THREADS OUTSIDE OF THE SPRING YOKE WILL MAKE THE GANGWAY DEPLOYMENT EASIER.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) LOOSEN THE JAM NUT INSIDE OF THE SPRING YOKE ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

EXPOSING FEWER THREADS OUTSIDE OF THE SPRING YOKE WILL MAKE THE GANGWAY DEPLOYMENT HARDER.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) TIGHTEN THE JAM NUT INSIDE OF THE SPRING YOKE ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

END TREAD EYEBOLT ADJUSTMENTS:

STRETCHING THE SPRING WILL MAKE THE GANGWAY HARDER TO DEPLOY AND FEEL LIGHTER IN WORKING POSITIONS.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) LOOSEN THE OUTER JAM NUT ON THE SPRING MOUNT ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) TIGHTEN THE ADJUSTMENT NUT AND INNER JAM NUT AGAINST THE OUTER JAM NUT.
- 4) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

SHORTENING THE SPRING WILL MAKE THE GANGWAY EASIER TO DEPLOY AND FEEL HEAVIER IN WORKING POSITIONS.

- 1) RAISE THE GANGWAY TO THE UPRIGHT, STORED POSITION AND MAKE SURE IT IS LOCKED IN PLACE.
- 2) LOOSEN THE INNER JAM NUT ON THE SPRING MOUNT ABOUT $\frac{1}{2}$ " ON EACH SIDE.
- 3) TIGHTEN THE ADJUSTMENT NUT AND THE OUTER JAM NUT AGAINST THE INNER JAM NUT.
- 4) TEST THE GANGWAY. IF NECESSARY, REPEAT THESE STEPS.

IF THE GANGWAY STILL DOES NOT OPERATE IN AN EXPECTED MANNER, CALL SafeRack AT 803-774-7225.