

INSTALLATION INSTRUCTIONS FOR AIR ACTUATED CABLE TENSIONER KIT #256126

This Tensioner Kit is designed specifically for Ramsey Winch Model RPH 15,000 Series Winches. The Tensioner requires an *independent, adjustable* regulated air supply of between 50 psi and 90 psi. If you do not provide an adjustable air supply you will not be able to adjust the effort of the free-spool. If your vehicle is not equipped with an independent, adjustable air pressure regulator (used only for the tensioner) or you are unable to adjust it to a setting in the range indicated, order pressure regulator kit #256092 from Ramsey.

INSTALLATION PROCEDURE

Disengage the winch clutch and free spool all the cable **except for the last wrap off the winch**. Lay cable out in a straight line behind the truck to prevent kinking. Loosen capscrews holding tie bar and remove tie bar. Attach mounting angle (item #2) provided with tensioner kit to winch with existing capscrews. Tighten capscrews to 173 ft-lbs. (235 Nm).

Attach the tensioner bracket assembly (item #6) to the mounting angle using (2) 1/2-13NC x 1-1/2 capscrews, nuts, and washers (items #9, #10, and #12). Attach loosely, do not tighten. Assemble the tensioner kit as shown on the next page. Do not over-tighten capscrews and nuts going into the actuators (items #7 and 11) or fittings (items #14 and #15).

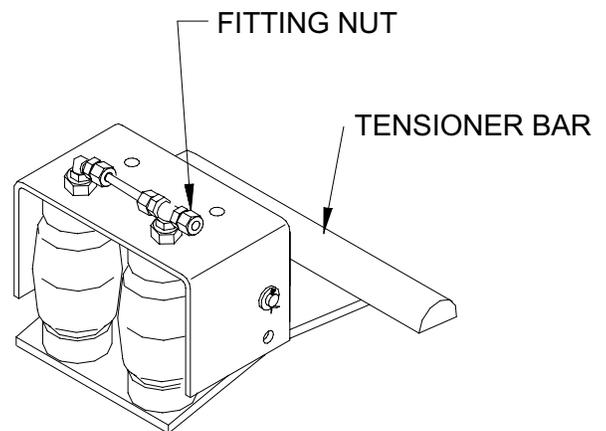
Attach the tensioner bar (item #3) to the pivot plate (item #1) and tighten to 23 ft-lbs. (31 Nm).

Center the tensioner bar between the drum flanges with a scale or tape measure by moving the entire assembly on the mounting angle. Be sure to keep the tensioner bar parallel to the drum barrel. Tighten the 1/2" capscrews to 60 ft-lbs. (81 Nm).

If you removed the cable entirely from the winch or this is a new installation: The cable tensioner is not intended to be energized on a bare drum. Before applying air to the cable tensioner, engage the clutch and run the winch in the reel in direction winding one full wrap of cable on the drum. This prevents damage to the cable tensioner.

Attach the regulated air supply to the "T" fitting on the tensioner (see figure at right). Hand tighten the nut. **Do NOT tighten more than 1/4 turn beyond hand tight**. Apply air to the tensioner. Engage the clutch and run the winch in the reel in direction winding about five wraps of cable onto the drum and stop. Using a hammer tap these five wraps tightly over against the cable anchor flange side of the cable drum. Finish winding all the cable onto the cable drum. As cable winds onto the drum, watch the tensioner. Tensioner must be free to move without obstruction to function properly. If tensioner touches any surrounding structure, correct the problem.

Adjust the free-spool effort of the cable tensioner. Disengage the winch clutch and free spool some cable off the drum. Adjust the air pressure to the cable tensioner to achieve the desired free spool effort that also prevents "bird nesting" of the cable.



DO NOT TIGHTEN FITTING NUTS MORE THAN 1/4 TURN BEYOND HAND TIGHT

CAUTION: DO NOT EXCEED 100 PSI AIR PRESSURE TO THE ACTUATORS.

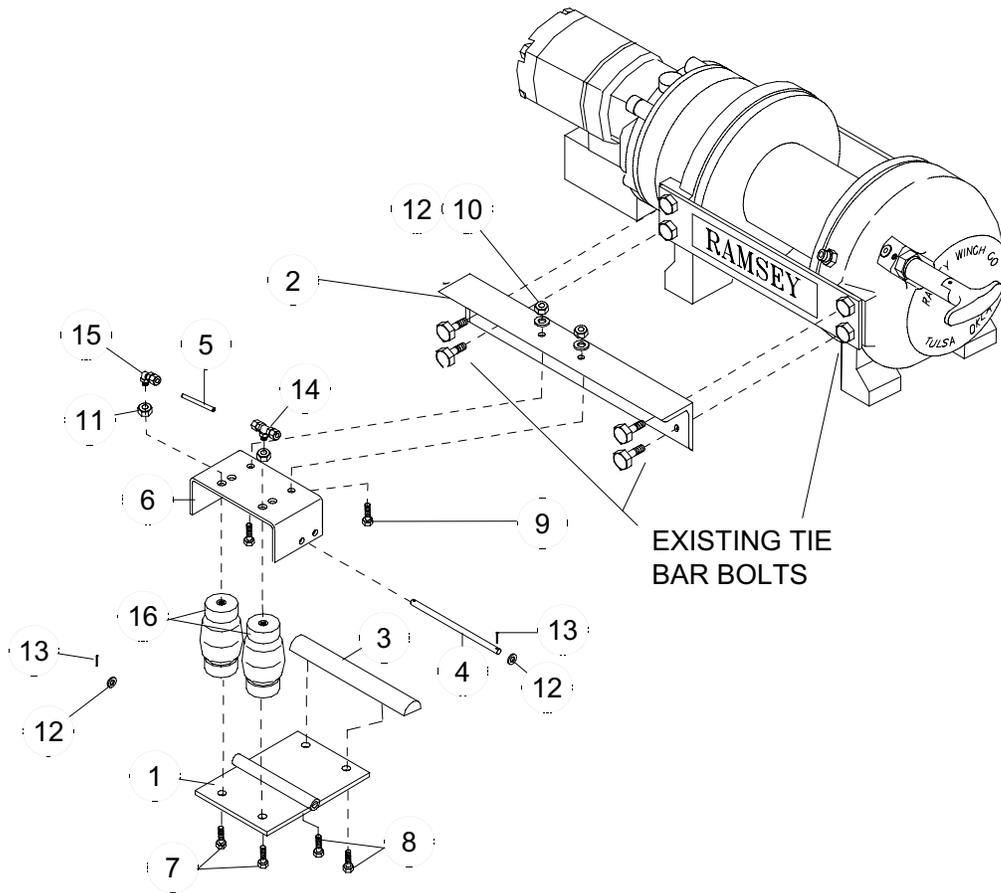
OPERATION

Once you have adjusted the air pressure to the desired level, only minor adjustment may be required if your pressure regulator setting drifts.



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KI-913399-0305-A



PARTS LIST FOR TENSIONER KIT #256126

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	265096	PIVOT PLATE
2	1	303109	MOUNTING ANGLE
3	1	304167	TENSIONER BAR
4	1	346046	PIN
5	1	365038	TUBE
6	1	408227	BRACKET ASSEMBLY-AIR TENSIONER
7	2	414137	CAPSCREW 5/16-18NC X 3/4 LG. HX.HD. GR.5 PLTD.
8	2	414278	CAPSCREW 3/8-16NC X 3/4 LG. HX.HD. GR.5 PLTD.
9	2	414548	CAPSCREW 1/2-13NC X 1-1/2 LG. HX.HD. GR.5 PLTD.
10	2	418069	NUT 1/2-13NC HX.REG. PLTD.
11	2	418080	NUT 5/8-11NC HX.REG. PLTD.
12	4	418223	WASHER 1/2 USS FLAT PLTD.
13	2	424005	COTTER PIN
14	1	432032	FITTING-TEE
15	1	432033	FITTING-ELBOW
16	2	433023	AIR ACTUATOR