June 2012

TRACKER MARINE GROUP

TRACKER TECH & HOW-TO

GENERAL INSTRUCTION

TIE DOWN ACTUATOR INSTALL

PART #161986 ACTUATOR

THE FOLLOWING SLIDES ARE A GENERAL GUIDE FOR PART #161986 ACTUATOR INSTALL FOR ANY TRAILSTAR TRAILER EQUIPPED WITH THIS ACTUATOR FROM THE FACTORY.

THE INFORMATION PROVIDED IS A RESOURCE FOR INSTRUCTION INTENDED AS A GENERAL GUIDE FOR THIS AND OTHER SIMILAR APPLICATIONS.

SPECIFICATIONS ARE ALWAYS SUBJECT TO CHANGE IN THE MANUFACTURING PROCESS SO SOME PORTIONS OF THIS GUIDE MAY NOT DIRECTLY APPLY TO CERTAIN TRAILERS AND MODELS. SOME MINOR ADJUSTMENTS MAY BE NECESSARY TO COMPLETE INSTALL.

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Actuator Replacement

Tie Down Engineering
Actuator #48867K

Tracker Marine Group
Part #161986

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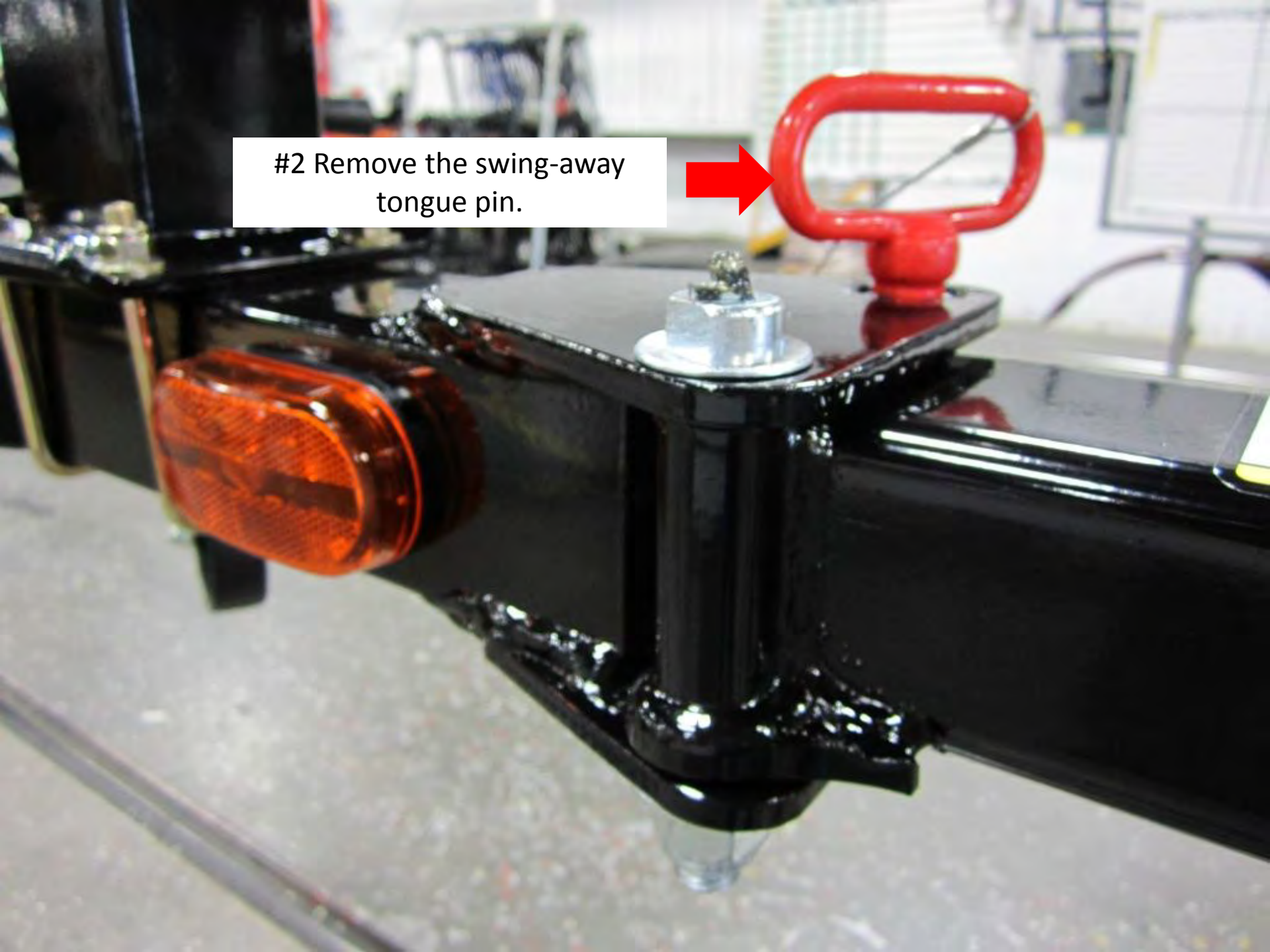
Tools Needed

- 1- 3/8” Open end wrench
- 1- 1/2” Open end wrench
- 1- 7/16” Open end wrench
- 1- 9/16” Open end wrench
- 1- 3/4” Open end wrench
- 1- 3/4” Socket
- 1- 3/16” Allen wrench
- 1- Ratchet
- 1- Wire cutter

#1 Locate the brake line union behind the tongue brace.
Disconnect union with a 3/8” and a 7/16” wrench.


#2 Remove the swing-away tongue pin.

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#3 Using a 9/16” and a 3/4” wrench, along with a ¾” socket and ratchet, remove the actuator pins. (Reference next picture)

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#3 (continued)
Remove all 3 actuator pins located as shown.

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#6 Use the wire cutters to cut the wire tie.

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#7 Remove actuator reservoir cap.

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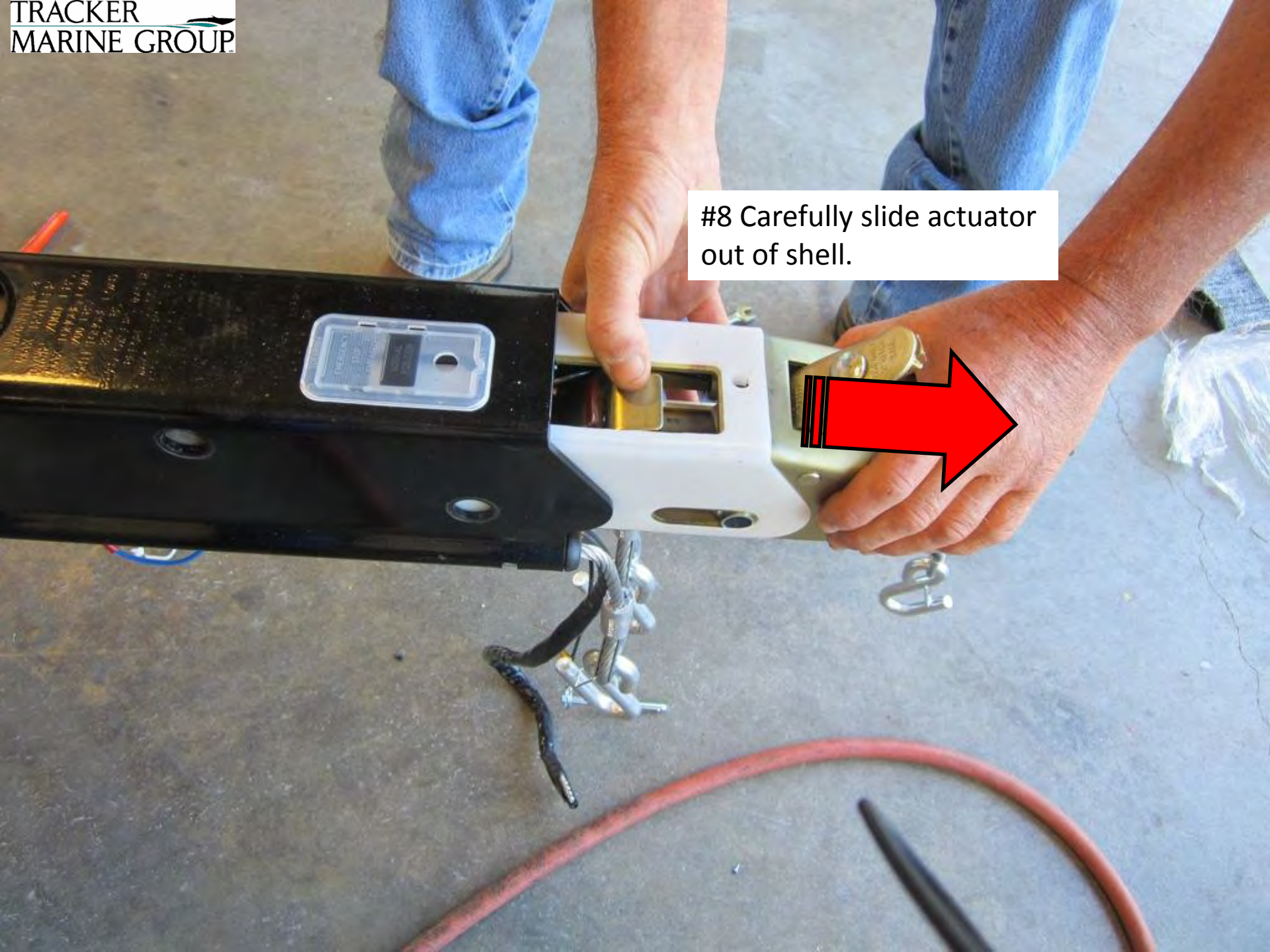

#8 Carefully slide actuator out of shell.

#9 Remove the rubber brake hose from the brake actuator using a 3/8” wrench.
TIE DOWN

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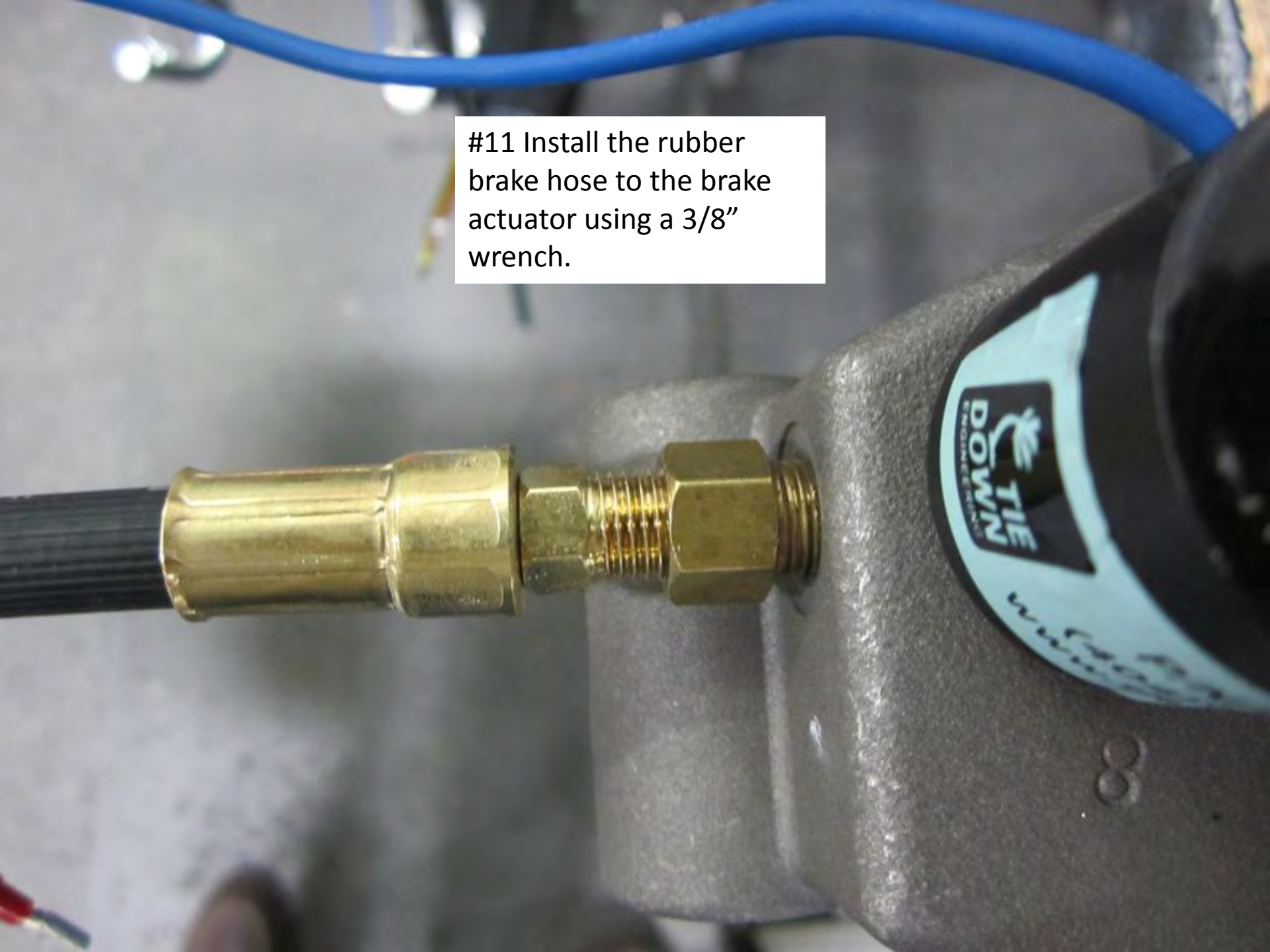
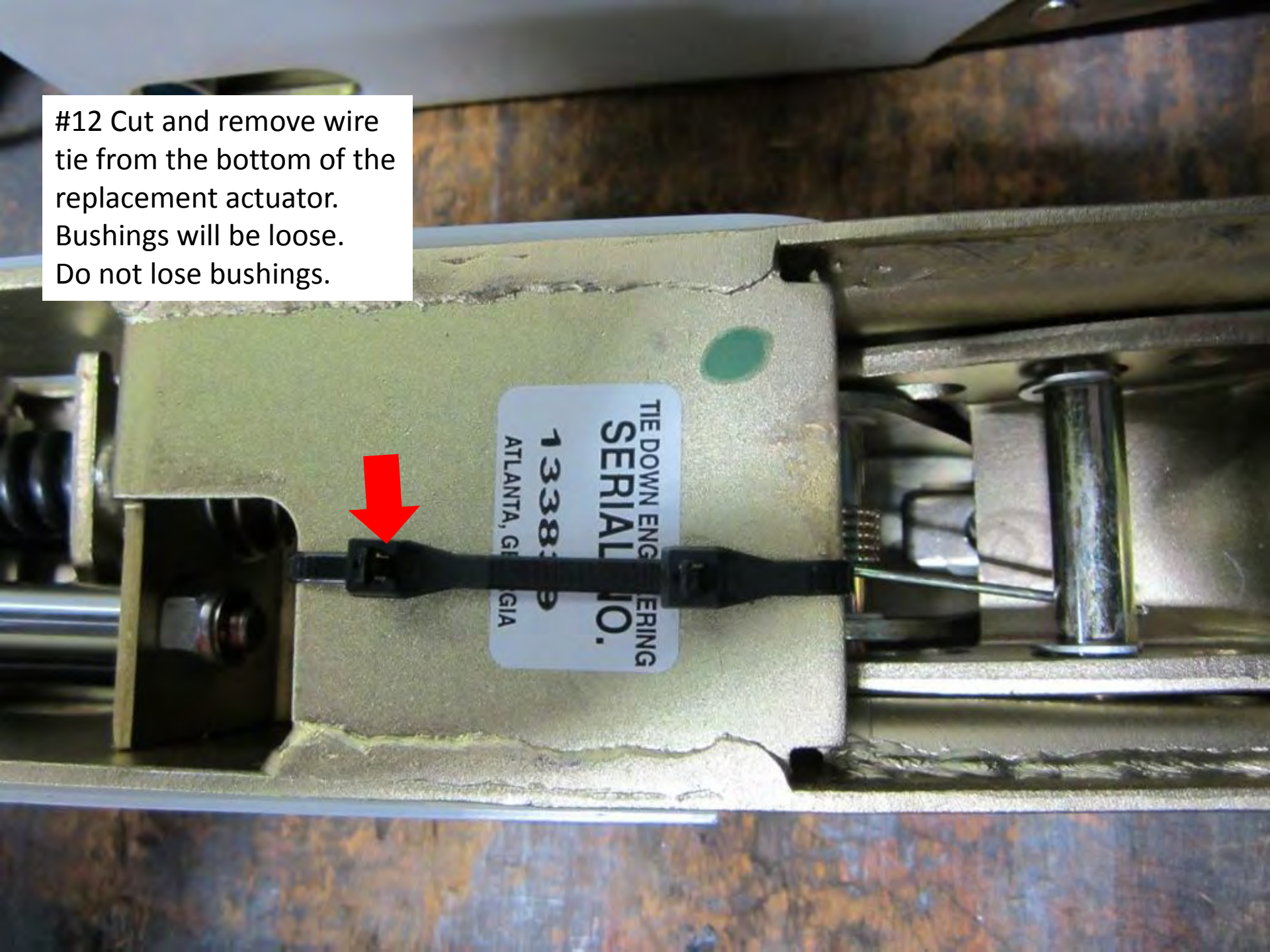
#10 Obtain the new replacement brake actuator.



#11 Install the rubber brake hose to the brake actuator using a 3/8” wrench.


#12 Cut and remove wire tie from the bottom of the replacement actuator. Bushings will be loose. Do not lose bushings.
TIE DOWN ENG ERING
SERIAL NO.
1338
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#13 Cut and remove wire tie from the top of the replacement actuator. Bushings will be loose. Do not lose bushings.

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#14 Carefully slide actuator into the actuator shell. Be careful not to cut the trailer wiring harness.

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#15 Assemble the 3 actuator pins through the bushings and thread the nuts onto the pins.

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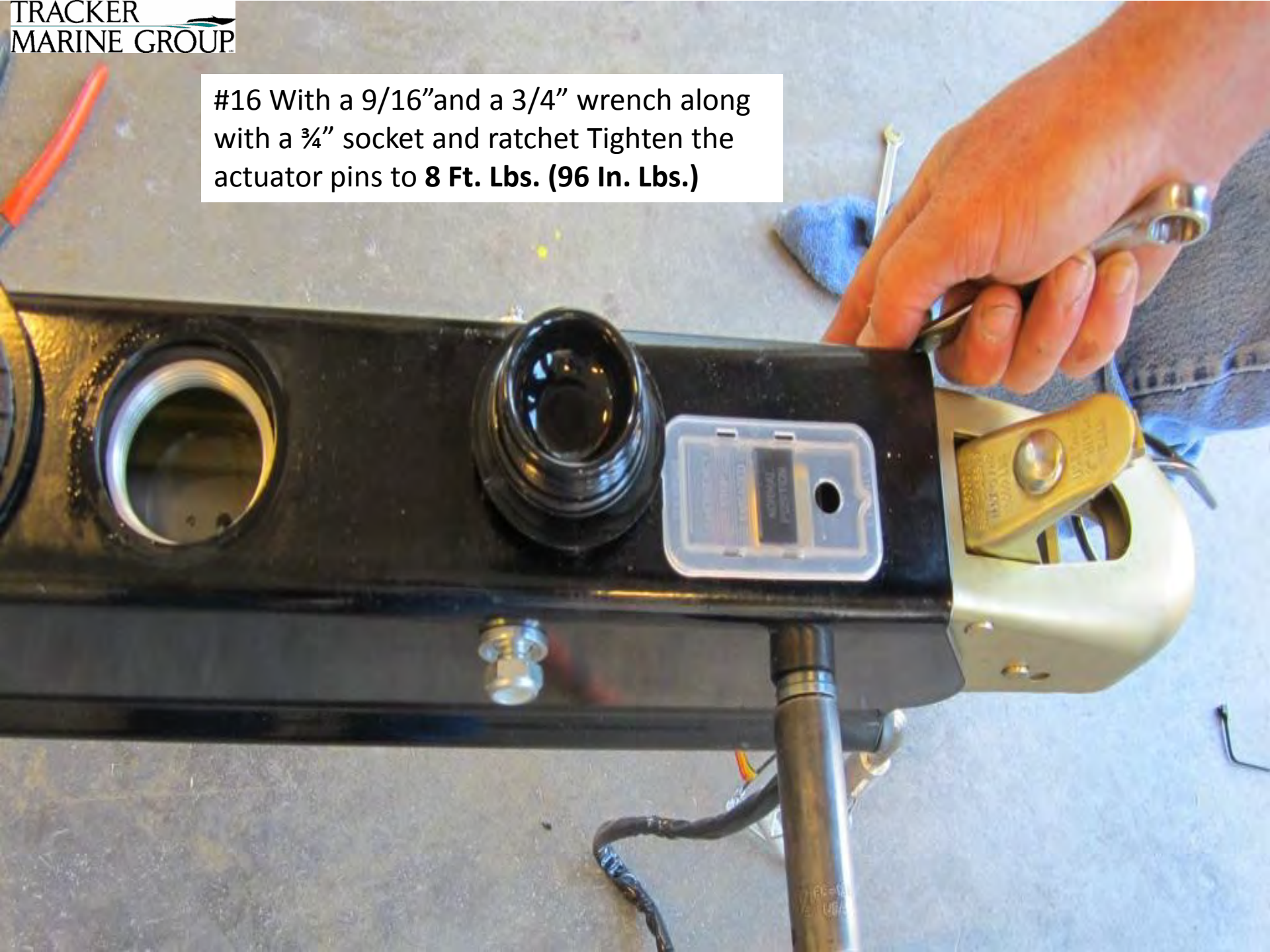
#16 With a 9/16”and a 3/4” wrench along with a ¾” socket and ratchet Tighten the actuator pins to **8 Ft. Lbs. (96 In. Lbs.)**



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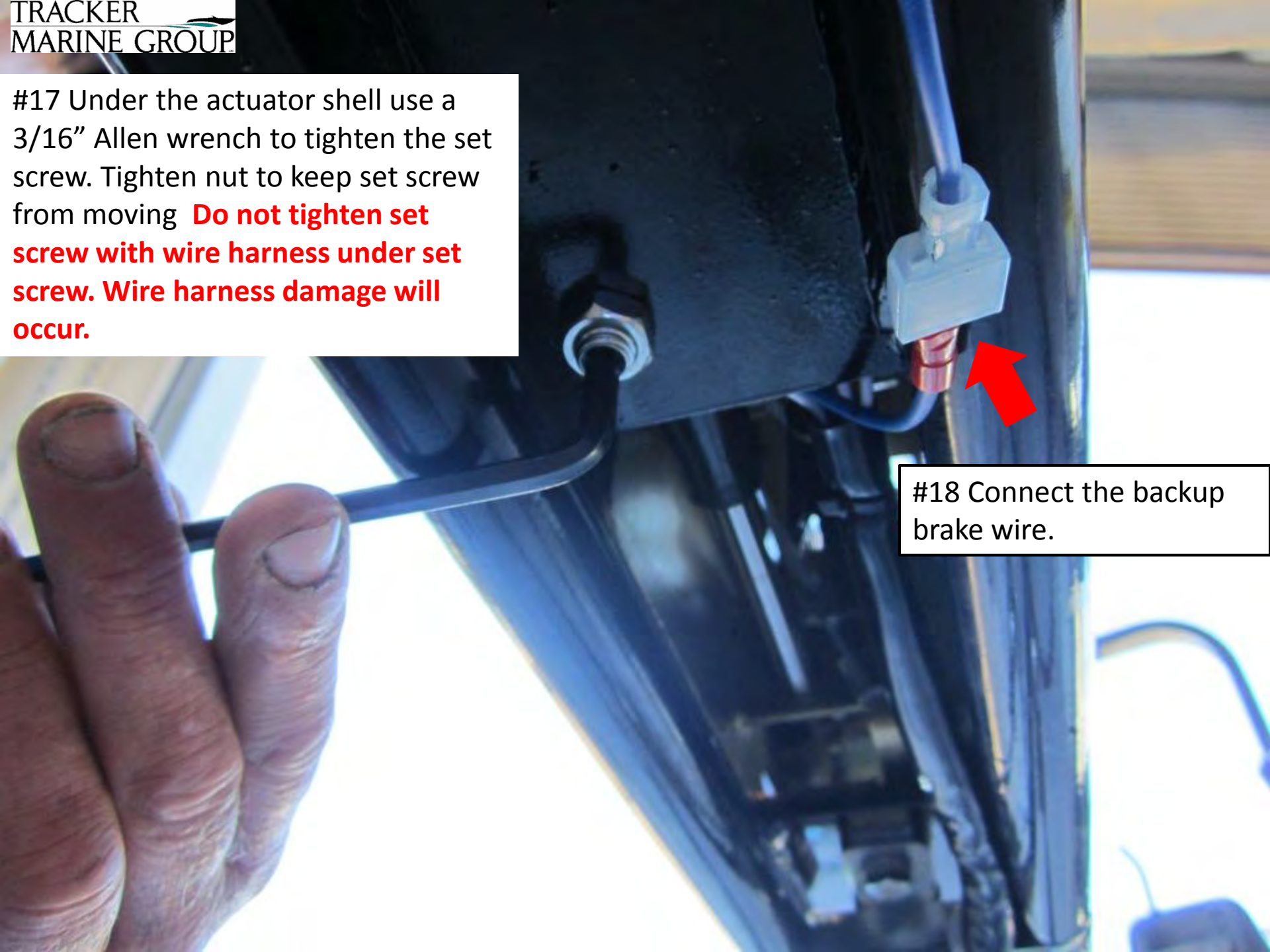
#17 Under the actuator shell use a 3/16” Allen wrench to tighten the set screw. Tighten nut to keep set screw from moving **Do not tighten set screw with wire harness under set screw. Wire harness damage will occur.**



#18 Connect the backup brake wire.

#19 Insert the swing-away tongue pin and retainer pin.

#20 With a 3/8” and a 7/16” wrench reconnect the brake lines as shown.

#21 Bleed the trailer brakes using DOT# 3 brake fluid.

***Tire and wheel removal may be necessary to reach the caliper bleeders**

***Torque wheel lug nuts to 90 ft-lb**

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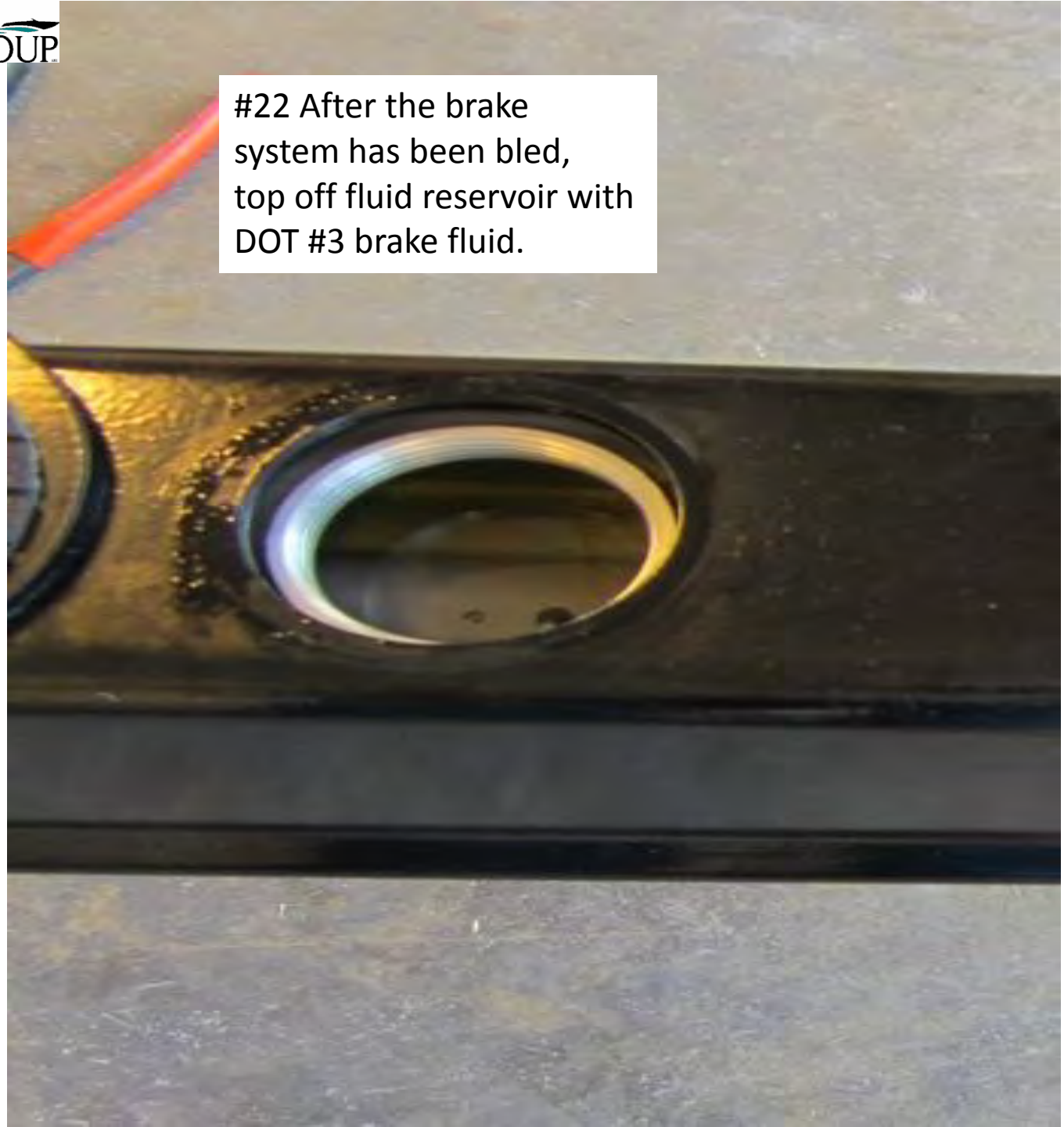

#22 After the brake system has been bled, top off fluid reservoir with DOT #3 brake fluid.

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#23 Install actuator reservoir cap.

Install is complete.