



INSTALLATION INSTRUCTIONS

QA1 P/N 9028-x01

Bleed Adjustable Piston Rod

Bleed adjust assembly instructions

1. Thread the 9/16" jam nut onto the bottom of the piston rod.
2. Thread the eyelet onto the bottom of the piston rod and tighten the jam nut to the eyelet.
3. Install the travel indicator and closure nut/gland assembly over the piston rod (**Figure 1**)



Figure 1

4. Install the rebound valve stack on to the piston bolt.
5. Install the piston onto the piston bolt with the rebound face toward the rebound valve stack.
6. Install the compression stack onto the piston bolt followed by the valve plate disc and washer.
7. Install the O-ring onto the bleed needle and thread the bleed needle all the way into the piston bolt. (**Figure 2**)
8. Apply grease to the bleed needle O-ring piston rod internal threads. Push the piston bolt into the piston rod while simultaneously turning clockwise until the piston bolt threads engage into the piston rod.
9. Tighten the piston bolt into the piston rod and torque 15-20 lb. ft. (**Figures 3 and 4**)



Figure 2



Figure 4



Figure 3

10. Loosen the jam nut from the eyelet and unthread the eyelet from the piston rod.
11. Place one .542" x .020" diameter valve disc on each side of the adjusting wheel and slide the wheel and discs into the window of the eyelet with the detents on the wheel facing upward.

12. Place a detent ball into the bore on the top of the eyelet followed by the short spring and set screw.



Figure 5



Figure 6



Figure 7

13. Tighten the set screw until you can feel the detents while turning the adjuster wheel and the adjuster wheel still moves freely. Preloading the detent spring adjusts the feel of the detents. (*Figure 5, 6 and 7*)

14. With the piston side of the piston rod facing down, install the clevis end of the adjuster push rod inside the piston rod and turn clockwise until it locks in place on the bleed needle. Turn clockwise by hand to make sure the bleed needle is fully closed, do not force it. (*Figure 8 and 9*)

15. Thread the eyelet onto the piston rod. When the adjuster rod makes contact with the adjuster wheel, you will need to align the hex of the adjuster rod to the hex of the adjuster wheel.

16. Continue to thread the eyelet onto the piston rod until it contacts the jam nut (You will feel the clicks of the detents as the adjuster wheel will not spin with the eyelet). Torque the jam nut to 20 lb.ft.

17. Click the adjuster wheel towards the (-) 30 clicks with the eyelet facing upward. Then install the other set screw into the threaded hole in the side of the adjuster wheel and tighten. (*Figure 10*)



Figure 8



Figure 9



Figure 10

18. Bleed check ball - place the piston side of the piston rod upward. For rebound adjustment, place the check ball into the top port followed by the tall spring. For compression adjustment, place the spring into the top port followed by the check ball. Thread on the bleed cap and torque 10-12 ft./lbs. (*Figures 11 and 12*)



Figure 11



Figure 12

Revalve

1. Lock the shock eyelet into a shock vice.
2. Using a ½” wrench, remove the piston bolt.
3. Remove the compression stack/piston/rebound stack assembly from the piston bolt.
4. Install the rebound valve stack followed by the piston and compression valve stack.
5. Loosen the jam nut from the eyelet and unthread the eyelet from the piston rod.
6. Loosen the set screw in the adjuster wheel to remove the adjuster rod.
7. Push the adjuster rod into the piston rod to push out the bleed needle.
Inspect the O-ring on the bleed needle and replace if there is any wear or damage.
8. Thread the eyelet back onto the piston rod and place back into the shock vice.
9. Thread the bleed needle all the way into the piston bolt. (**Figure 13**)
10. Apply grease to the bleed needle O-ring and push it into the piston rod while simultaneously turning clockwise until the piston bolt threads engage into the piston rod. (**Figure 14**)
11. Tighten the piston bolt into the piston rod and torque 15-20 lb.ft.

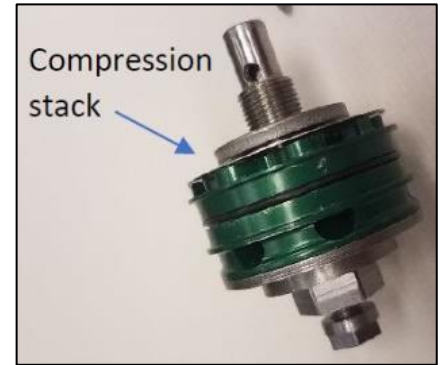


Figure 13



Figure 14

12. Loosen the jam nut from the eyelet and unthread the eyelet from the piston rod.
13. With the piston side of the piston rod facing down, install the clevis end of the adjuster push rod inside the piston rod and turn clockwise until it locks in place on the bleed needle. Turn clockwise by hand to make sure the bleed needle is fully closed, do not force it. (**Figure 15**)
14. Thread the eyelet onto the piston rod. When the adjuster rod makes contact with the adjuster wheel, you will need to align the hex of the adjuster rod to the hex of the adjuster wheel.
15. Continue to thread the eyelet onto the piston rod (you will feel the clicks of the detents as the adjuster wheel will not spin with the eyelet. (**Figure 16**)



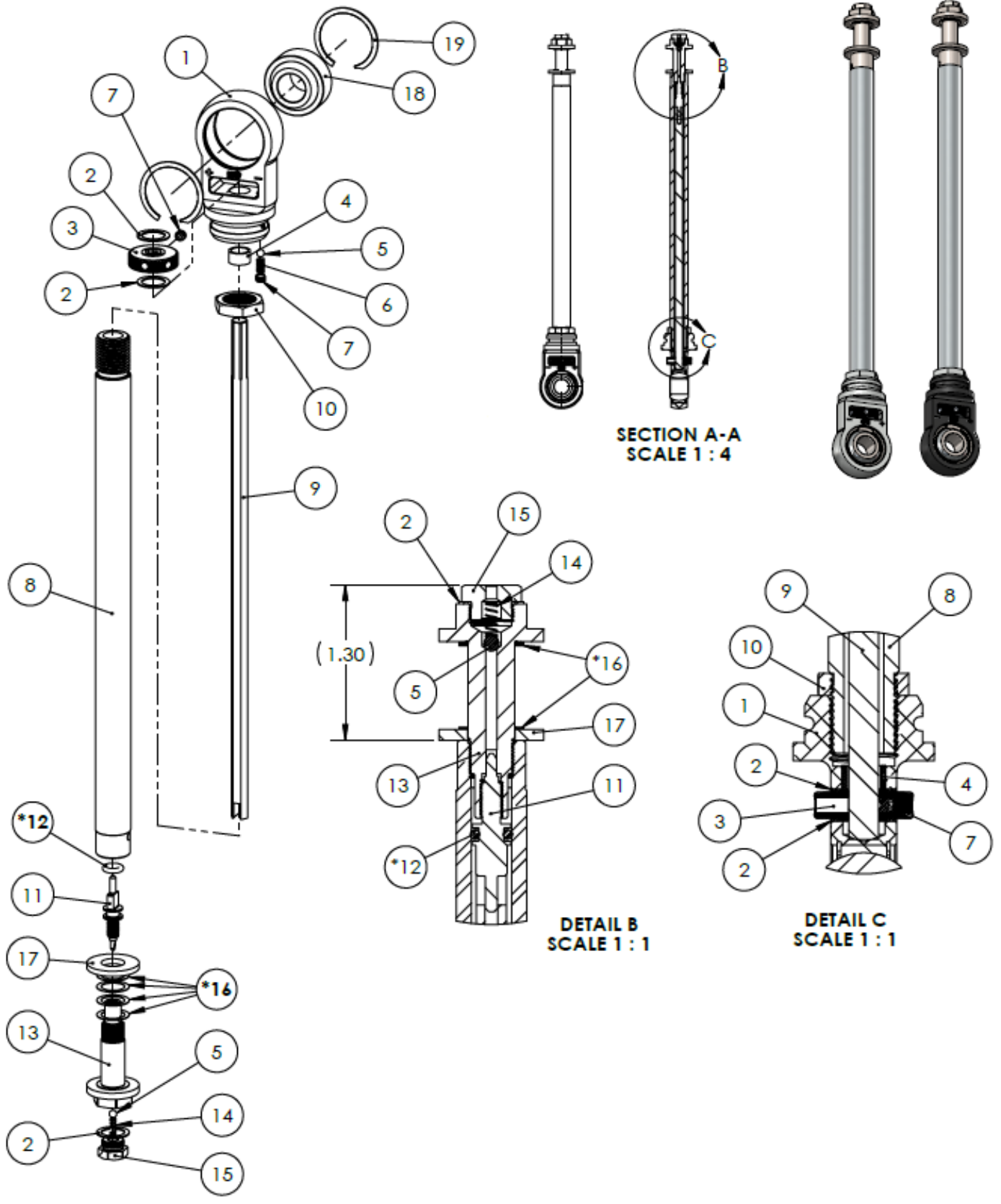
Figure 15



Figure 16

16. Click the adjuster wheel towards the (-) 30clicks with the eyelet facing upward and install the other set screw into the side of the adjuster wheel and tighten.

REFERENCE #	PART #	DESCRIPTION	QTY
1-7; 18-19	9036-221	LOOP ASSEMBLY, ALUMINUM, BLEED ADJUST +.5"	1
1-7; 18-19	9036-222	LOOP ASSEMBLY, STEEL, BLEED ADJUST +.5"	1
1-7; 18-19	9036-223	LOOP ASSEMBLY, ALUMINUM, BLEED ADJUST +1"	1
1-7; 18-19	9036-224	LOOP ASSEMBLY, STEEL, BLEED ADJUST +1"	1
1-7; 18-19	9036-225	LOOP ASSEMBLY, ALUMINUM, BLEED ADJUST +2"	1
1-7; 18-19	9036-226	LOOP ASSEMBLY, STEEL, BLEED ADJUST +2"	1
2	7855-196	VALVE DISC KIT, 8-PK .542" OD X .020"	3 EACH
3	9025-143	KNOB, BLEED ADJUST	1
4	9032-396	BUSHING, 7MM ID X 9MM OD X 5MM	1
5	7857-101	CHECK BALL 8-PK	2 EACH
6	9015-103	SPRING SS .125" OD X .235"	1
7	9013-102	SET SCREW, SOCKET HEAD 8-32 X .188"	2
8	9028-305	ROD, PISTON 15MM OD, ADJ 5" STROKE / 7.17" LONG	1
8	9028-306	ROD, PISTON 15MM OD, ADJ 6" STROKE / 8.17" LONG	1
8	9028-307	ROD, PISTON 15MM OD, ADJ 7" STROKE / 9.17" LONG	1
8	9028-308	ROD, PISTON 15MM OD, ADJ 8" STROKE / 10.17" LONG	1
8	9028-309	ROD, PISTON 15MM OD, ADJ 9" STROKE / 11.17" LONG	1
9	9028-325	ADJUSTER SHAFT, 15MM ROD 5" STROKE / 6.79" LONG	1
9	9029-326	ADJUSTER SHAFT, 15MM ROD 6" STROKE / 7.8" LONG	1
9	9029-327	ADJUSTER SHAFT, 15MM ROD 7" STROKE / 8.8" LONG	1
9	9029-328	ADJUSTER SHAFT, 15MM ROD 8" STROKE / 9.8" LONG	1
9	9029-329	ADJUSTER SHAFT, 15MM ROD 9" STROKE / 10.8" LONG	1
10	9014-113	NUT, JAM 9/16-18 RH	1
11	9058-103	NEEDLE, .035" BLEED, 15MM ROD	1
12	9044-208	O-RING METRIC 2.0MM X 5MM	1
13	9029-316	PISTON BOLT	1
14	9015-193	SPRING SS .110" OD X .312"	1
15	9055-359	CAP, CHECK BALL HOUSING	1
16	7855-181	VALVE DISC KIT, 8-PK .542" OD X .010"	4 EACH
17	9005-237	WASHER, VALVE PLATE .875" X .395" X .090"	1
18 & 19	SIB8-101PK	BEARING KIT, .500"ID X .625" WIDE / 2 BEARINGS 4 SNAP RINGS	1 PER SHOCK
	9028-501	ROD KIT, PISTON 15MM OD, BLEED ADJ. 5"	
	9028-601	ROD KIT, PISTON 15MM OD, BLEED ADJ. 6"	
	9028-701	ROD KIT, PISTON 15MM OD, BLEED ADJ. 7"	
	9028-801	ROD KIT, PISTON 15MM OD, BLEED ADJ. 8"	
	9028-901	ROD KIT, PISTON 15MM OD, BLEED ADJ. 9"	





Technical Support Line: (952) 985-5675 Email: Info@QA1.net

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- Quick Tips
- Install Information
- Tuning and Repair Guides
- Other technical information

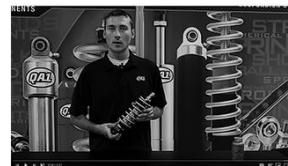
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