Disassembly Instructions

Note this kit is just to cover if O-rings have failed if there are other problems with the valve such as heavy corrosion or debris in bores just the O-rings may not fix the problem. The Spool bores must be clean and smooth with a mirror like finish and the right size.

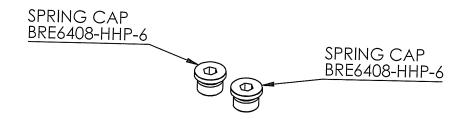
- 1) You may want to put the valve body into a vise for these procedures. Use plastic or a smooth jaw vise so as not to scratch the unit.
- 2) Remove the two Spring Caps (BRE6408-HHP-6).
 - a. <u>Caution there is spring pressure against this plug so be careful removing. Plug will not fly off if it is held.</u> See figure A-1
- 3) Using a wrench remove pressure gages.
- 4) Turn valve over in vise for access to Cap (20-102).
 - a. When turning valve body over springs will slide out of bores on Spring Cap end.
- 5) As shown in figure A-2 remove the 2 Glands (20-105) with a 22MM wrench.
- 6) Push out Indicator Spool (20-104) with a plastic or wood dowel or small screw driver handle. See figure A-2.

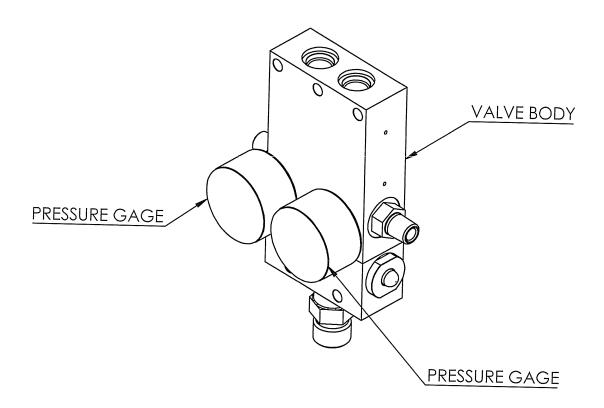
a. Caution do not scratch bore

- 7) Remove outlet see Fig A-3.
- 8) Remove the 6 Cap Screws see Fig A-3.
 - a. Cap (20-102) can now be removed.
- 9) Remove Main Spools (20-103) a shown in Figure A-4.
 - a. Caution push Spool out from Cap side only.
- 10) Inspect bores in the Main Body (20-101) and the Cap (20-102) for corrosion, pitting, or heavy scratches.
 - a. Any of these issues must be removed to prevent premature failure of O-rings.
 - b. If scratches are too deep or pitting has to be removed Body or Cap my need replacement.
 - c. If this is the case for failure of valve, the valve in not in a good environment and future failure of the O-ring seals will continue.
- 11) Remove O-rings from Spools (20-103) and (20-104).
 - a. Be careful not to scratch or ding up the Spools.
- 12) Remove O-rings from Glands (20-105).
- 13) Put new O-rings on Main Spools (20-103). Requires 6 568-012 5778-90 O-rings from kit in bag marked Main Spool (20-103).
- 14) Put one O-ring in each groove shown in Figure A-5. Repeat for 2nd Main Spool.
- 15) Put new O-rings on Indicator Spool (20-104). Requires 1 568-012 5778-90 O-ring and 2 568-010 5611-80 O-rings from kit in bag marked Indicator Spool (20-104).
- 16) Add O-rings to Indicator Spool (20-104) shown in Figure A-6
- 17) Add MS-111 grease to each O-ring and use finger to push grease into groove around O-ring.
- 18) Put new O-rings 568-906 onto Glands (20-105).
 - a. Note be careful not to tear O-ring on threads while installing.

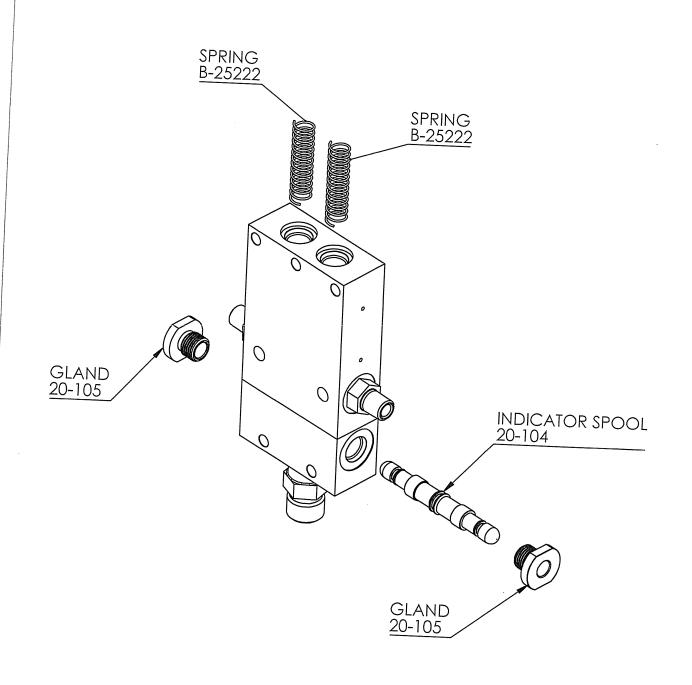
Re-assembly

- 1) With Main Body (20-101) in vise.
- 2) Push Main Spools (20-103) into bores of Main Body (20-101) from Cap end as shown in Figure A
 - a. Note this is the end with O-ring grooves.
- 3) Push Main Spools (20-103) so they are flush with top of Main Body.
- 4) Add 2 O-rings 568-0016 into grooves on Main Body.
- 5) The Cap (20-102) is now ready to be placed on Main Body. Use the 6 Cap Screws to bolt Cap down. Shown in Figure A-8
 - a. Make sure both faces of the Cap and Main Body are clean and free of debris.
 - b. Cap Screws need to be tight.
 - c. Note make sure to tighten evenly so that Cap is flush with Body.
- 6) Now take Indicator Spool (20-104) and put Gland (20-105) on one end. Then put Indicator Spool into bore of Cap and push in until Gland can be threaded into Cap. See Figure A-8.
- 7) Now thread other Gland into Cap and turn until O-ring touches.
- 8) Using the 22MM wrench tighten the Glands snug.
 - a. Caution to not over tighten as threads could strip.
- 9) Flip over Valve Body in vise, install springs into bores. See Figure A-9
- 10) Using a ratchet and Allen Key Hex socket push down on Spring Plug (BRE6408-HHP-6) and turn to engage threads and tighten. See Figure A-9
- 11) Repeat for second Spring Plug.
- 12) Use thread tape on gage threads and install in Body.
- 13) With fingers make sure that Indicator Spool will move back and forth.
 - a. Note may be tight at first but with a couple of cycles back and forth will loosen up as grease spread out in bore.
- 14) Now you are ready to hook hoses back on and ready to run.

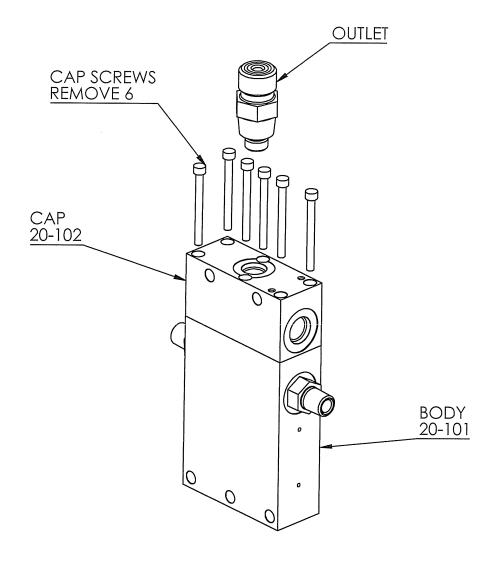




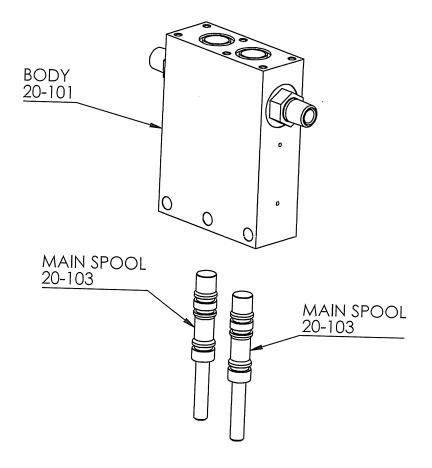
			DIMENSIONS ARE IN INCHES		NAME	DATE			
	<u></u>		FRACTIONAL± ANGULAR: MACH± BEND± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	KEW	1/2020	ASSURANCE VALVE SYSTEMS		
		A		CHECKED	KEW	1/2020			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ASSURANCE VALVE SYSTEMS IS PROHIBITED.				ENG APPR.	KEW	1/2020			
	***************************************			MFG APPR.			FIGURE A-1		
				Q.A.			HOUKL A-1		
		*******************************		COMMENTS:		*****************			
	NEXT ASSY	USED ON	FINISH				CIT		
	APPLIC	ATION	DO NOT SCALE DRAWING				SIZE DWG, NO. ELIMINATOR ASSYEMBLY		
		***************************************		L	***************************************	·	SCALE:1:5 WEIGHT: SHEET I OF I		



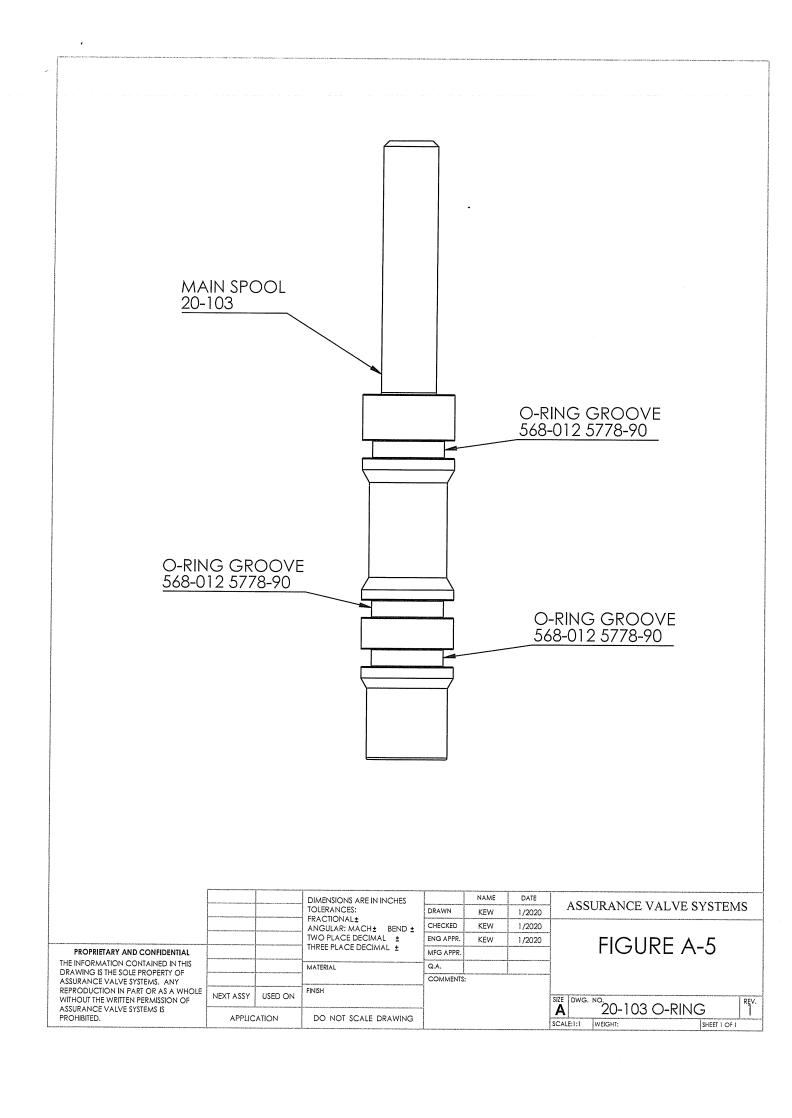
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL* ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ±	DRAWN CHECKED	NAME KEW KEW	DATE 1/2020 1/2020	ASSURANCE VALVE SYSTEMS
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ASSURANCE VALVE SYSTEMS IS PROHIBITED.	HREE PLACE DECIMAL ± M MATERIAL Q	MFG APPR. Q.A. COMMENTS:	KEW	1/2020	FIGURE A-2		
	NEXT ASSY	USED ON	FINISH				STE I DUG
	APPLICATION DO NOT SCALE DRAWING			77700			SZALE:1:5 WEIGHT:

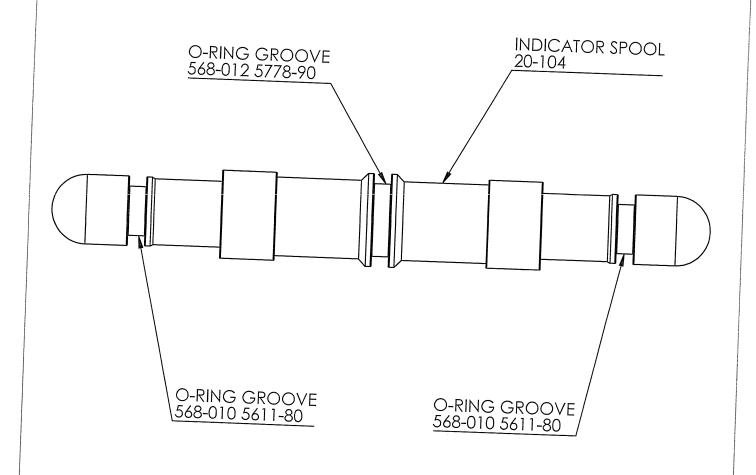


			DIMENSIONS ARE IN INCHES		NAME	DATE	LOCATE LA LOCATA LA LA CALCADA LOCATA LA CALCADA		
				DRAWN	KEW	1/2020	ASSURANCE VALVE SYSTEMS		
	**************		FRACTIONAL± ANGULAR: MACH± BEND ±	CHECKED	KEW	1/2020	FIGURE A-3		
			TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± MATERIAL	ENG APPR.	KEW	1/2020			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF				MFG APPR.					
				Q.A.					
				COMMENTS:					
	NEXT ASSY	USED ON	FINISH				SIZE DWG. NO.		
ASSURANCE VALVE SYSTEMS IS PROHIBITED.	APPLICATION DO NOT SCALE DRAWING		DO NOT SCALE DRAWING				SIZE DWG. NO. ELIMINATOR ASSY SCALE:1:2 WEIGHT: ISHEET 1 OF 1		



	·						
			DIMENSIONS ARE IN INCHES		NAME	DATE	ACCUID ANCE MAY 7
			FRACTIONAL± ANGULAR: MACH± BEND± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± MATERIAL	DRAWN	KEW	1/2020	ASSURANCE VALVE SYSTEMS
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS		ļ		CHECKED	KEW	1/2020	
				ENG APPR.	KEW	1/2020	
				MFG APPR.			FIGURE A-4
DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY				Q.A.			
REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ASSURANCE VALVE SYSTEMS IS PROHIBITED.				COMMENTS:			
	NEXT ASSY	USED ON	FINISH				
	APPLICATION DO NOT SCALE DRAWING						SIZE DWG. NO. ELIMINATOR ASSY 1
							SCALE:1:2 WEIGHT: SHEET 1 OF 1





PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ASSURANCE VALVE SYSTEMS. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
ASSURANCE VALVE SYSTEMS IS
PROHIBITED.

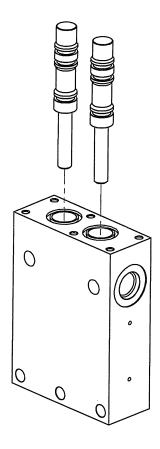
1	1			
	-	DIMENSIONS ARE IN INCHES		-
	ļ	TOLERANCES: FRACTIONAL±	DRAWN	Summer
***************************************		ANGULAR: MACH + BEND +	CHECKED	-
		TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	ENG APPR.	
		THE PERIOD DECIMAL ±	MFG APPR.	~
		MATERIAL	Q.A.	^
			COMMENTS:	
NEXT ASSY	USED ON	FINISH		
APPLIC	ATION	DO NOT SCALE DRAWING		

	NAME	DATE	
1	KEW	1/2020	
ED	KEW	1/2020	
PR.	KEW	1/2020	
PR.			

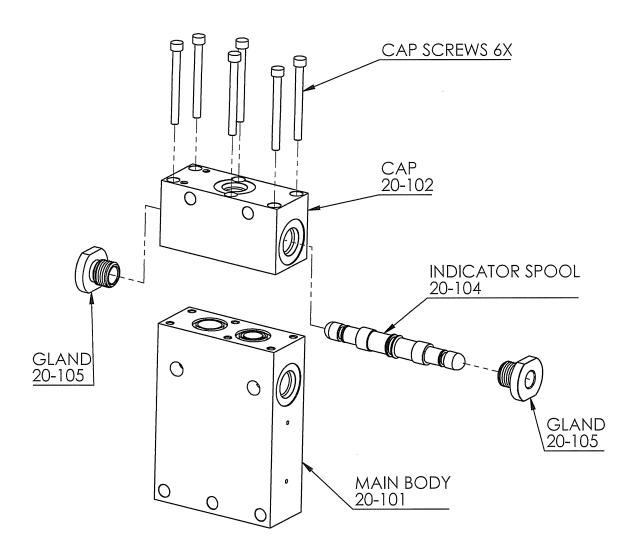
ASSURANCE VALVE SYSTEMS

FIGURE A-6

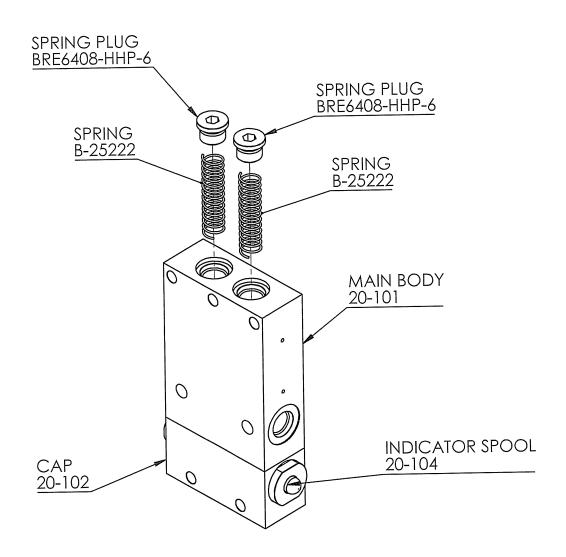
SCALE:1:1 WEIGHT: SHEET 1 OF 1



				T		T	***************************************		***************************************	
			DIMENSIONS ARE IN INCHES	ļ	NAME	DATE	ASSURANCE VALVE SYSTEMS		ЛS	
			TOLERANCES: FRACTIONAL *	DRAWN	KEW	1/2020				
	***************************************	NAME OF THE PERSON OF THE PERS	ANGULAR: MACH± BEND ±	CHECKED	KEW	1/2020				
			TWO PLACE DECIMAL ±	ENG APPR.	KEW	1/2020				
PROPRIETARY AND CONFIDENTIAL			THREE PLACE DECIMAL ±	MFG APPR.				FIGURE A	_7	
THE INFORMATION CONTAINED IN THIS			MATERIAL	Q.A.	December of the State of Mary Control of Mary State of St			1100KL /	\ /	
DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY	F	O NO CONTROL MANAGEMENT OF THE CONTROL		COMMENTS:						
REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	TION IN PART OR AS A WHOLE NEXT ASSY LISED ON FINISH		FINISH	Portugue out of the control of the c			SIZE DWG.	NO.		REV.
ASSURANCE VALVE SYSTEMS IS PROHIBITED.	TEMS IS APPLICATION DO NOT SCALE DRAWING			my per responsable			SCALE:1:2	ELIMINATOR A	SHEET 1 OF	11



			DIMENSIONS ARE IN INCHES		NAME	DATE	ASSURANCE VALVE SYSTEMS		
			TOLERANCES:	DRAWN	KEW	1/2020			
			TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	CHECKED	KEW	1/2020			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ASSURANCE VALVE SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ASSURANCE VALVE SYSTEMS IS PROHIBITED.				ENG APPR.	KEW	1/2020			
				MFG APPR.			FIGURE A-8		
				Q.A.					
				COMMENTS:					
	IN PART OR AS A WHOLE NEXT ASSY LISED ON FINISH		FINISH				SIZE DWG. NO. ELIMINATOR ASSY 1		
	APPLICATION DO NOT SCALE DRAWING						SCALE:1:5 WEIGHT: SHEET 1 OF 1		



Taken and the second							
		A TO STATE OF THE PARTY OF THE	DIMENSIONS ARE IN INCHES		NAME	DATE	ASSURANCE VALVE SYSTEMS
			TOLERANCES:	DRAWN	KEW	1/2020	ASSOLUTIVES VIIEVES 13 12 121
		***************************************	FRACTIONAL± ANGULAR: MACH± BEND ±	CHECKED	KEW	1/2020	
			TWO PLACE DECIMAL ±	ENG APPR.	KEW	1/2020	
PROPRIETARY AND CONFIDENTIAL			THREE PLACE DECIMAL ±	MFG APPR.			FIGURE A-9
THE INFORMATION CONTAINED IN THIS			MATERIAL	Q.A.			
DRAWING IS THE SOLE PROPERTY OF				COMMENTS			
ASSURANCE VALVE SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	NEXT ASSY	USED ON	FINISH	ocumination concentration of the concentration of t			SIZE DWG. NO. ELIMINATOR ASSY
ASSURANCE VALVE SYSTEMS IS PROHIBITED.	APPLIC	ATION	DO NOT SCALE DRAWING				SCALE:1:2 WEIGHT: SHEET 1 OF 1