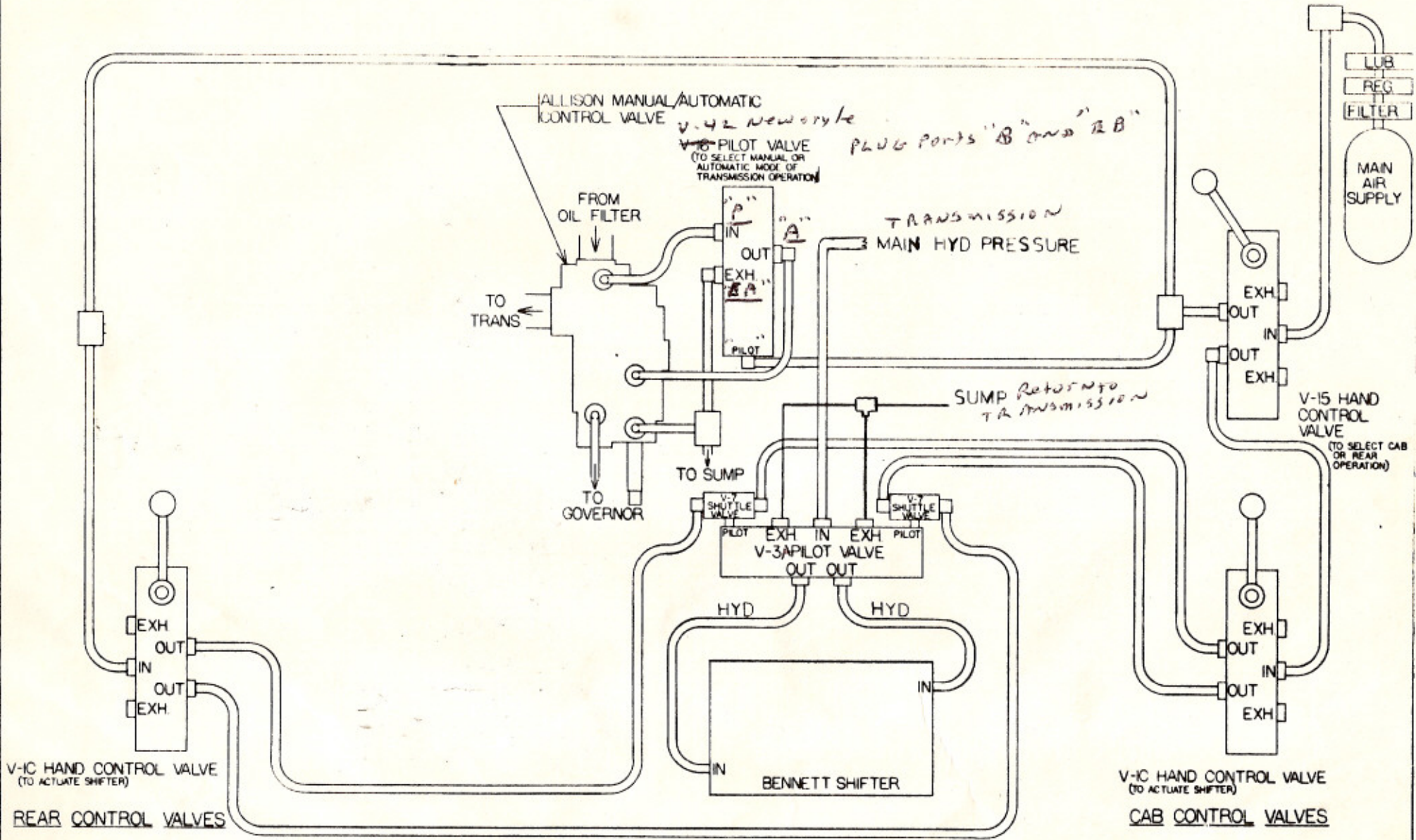


**NOTES:**  
 1. ALL DIMENSIONS SHOWN FOR REFERENCE ONLY.  
 A. READ THIS PROCEDURE COMPLETELY BEFORE PROCEEDING WITH INSTALLATION AND ADJUSTMENT.  
 B. IF THIS PROCEDURE IS TO BE USED AS AN ADJUSTMENT PROCEDURE ONLY, FIRST REMOVE THE COTTER PIN AND CLEVIS PIN (REFERENCE ITEM 14) AND PROCEED, BEGINNING WITH 2.

- INSTALLATION INSTRUCTIONS:**
- 1 REMOVE SHIFTER MOUNTING BOLTS (8) AND DISCARD.
  - 2 INSTALL SHIFTER USING 1" SPACER AND 3/8"-18 UNC x 2" BOLTS (9) SUPPLIED. TORQUE BOLTS TO 18-18 LBS.-FT.
  - 3 LOOSEN CLAMP LEVER NUT.
  - 4 INSTALL TRANSMISSION LEVER ON RANGE SELECTOR VALVE SHAFT USING 3/8" I.D. WASHER AND NUT SUPPLIED. TORQUE NUT TO ALLISON SPECIFICATIONS.
  - 5 PUSH SHIFTER SHAFT TO ITS FULLEST INWARD POSITION AND ROTATE RANGE SELECTOR VALVE SHAFT COUNTER-CLOCKWISE UNTIL TRANSMISSION IS IN REVERSE (LAST DETENT).
  - 6 ADJUST CLAMP LEVER SO THAT LEVER IS VERTICAL AND LINK IS FREE ON SHOULDER BOLT.
  - 7 TIGHTEN CLAMP LEVER NUT. TORQUE TO 30-35 LBS.-FT.
  - 8 CONNECT AIR LINES AND INDICATOR LIGHT WIRES.
  - 9 SHIFT TRANSMISSION THRU ALL RANGES, REPEAT STEPS 5, 6, AND 7 AS REQUIRED TO ENSURE THAT LINK IS FREE ON SHOULDER BOLT IN LOW AND REVERSE RANGES.
  - 10 ATTACH THE ALLISON MANUAL-AUTOMATIC VALVE TO THE BENNETT DMTV MOUNTING BRACKET USING THE SIX MOUNTING BOLTS SUPPLIED WITH THE MANUAL-AUTOMATIC VALVE.
  - 11 ATTACH THE BRACKET TO THE TRANSMISSION LIFTING EARS USING THE 3/8"-11 BOLTS AND NUTS SUPPLIED (2).
  - 12 MOVE THE TRANSMISSION LEVER AND THE SHIFTER TO THE REVERSE POSITION. MOVE THE MANUAL-AUTOMATIC VALVE SPOOL TO ITS FULLEST INWARD POSITION.
  - 13 PLACE THE ROD-END, WITH THE NUT AND CLEVIS ATTACHED, OVER THE SHAFT.
  - 14 ADJUST THE CLEVIS UNTIL THE CLEVIS PIN CAN BE MOVED FREELY THRU THE CLEVIS AND VALVE SPOOL. INSERT THE COTTER PIN AND TIGHTEN THE JAW NUT.
  - 15 RESET THE UNIT TO ENSURE THAT THE LINKAGE (9) AND THE CLEVIS PIN (14) ARE MOVED FREELY IN BOTH THE REVERSE AND FIRST SHIFT POSITIONS.

REVISIONS		BENNETT ENTERPRISES, INC.	
NO.	DATE	BY	DESCRIPTION
A	7/1/68	GR	INSTALLATION SB-7 WITH DUAL MODE VALVE
B			
C			
D			
E			
F			

DATE: 7/1/68  
 DRAWN BY: GR  
 CHECKED BY: [Signature]  
 PART NO: BE-SB7-B6



V-15 HAND CONTROL VALVE  
(TO ACTUATE SHIFTER)

REAR CONTROL VALVES

V-15 HAND CONTROL VALVE  
(TO SELECT CAB OR REAR OPERATION)

CAB CONTROL VALVES

TYPICAL DUAL CONTROL INSTALLATION

REVISIONS			BENNETT ENTERPRISES, INC.		
NO.	DATE	BY	P. O. BOX 20436 DALLAS, TEXAS 75220		
1			PIPING DIAGRAM		
2			MT-650 HT-740/750 CLBT-750		
3			DRAWN BY	SCALE	MATERIAL
4			SM	NONE	
5			HEAT TREAT	DATE	DRAWING NO.
6				2-28-77	
7			PLATING/FINISH	APP'D	BE-SB7-C
8				CJ MITCHELL	