

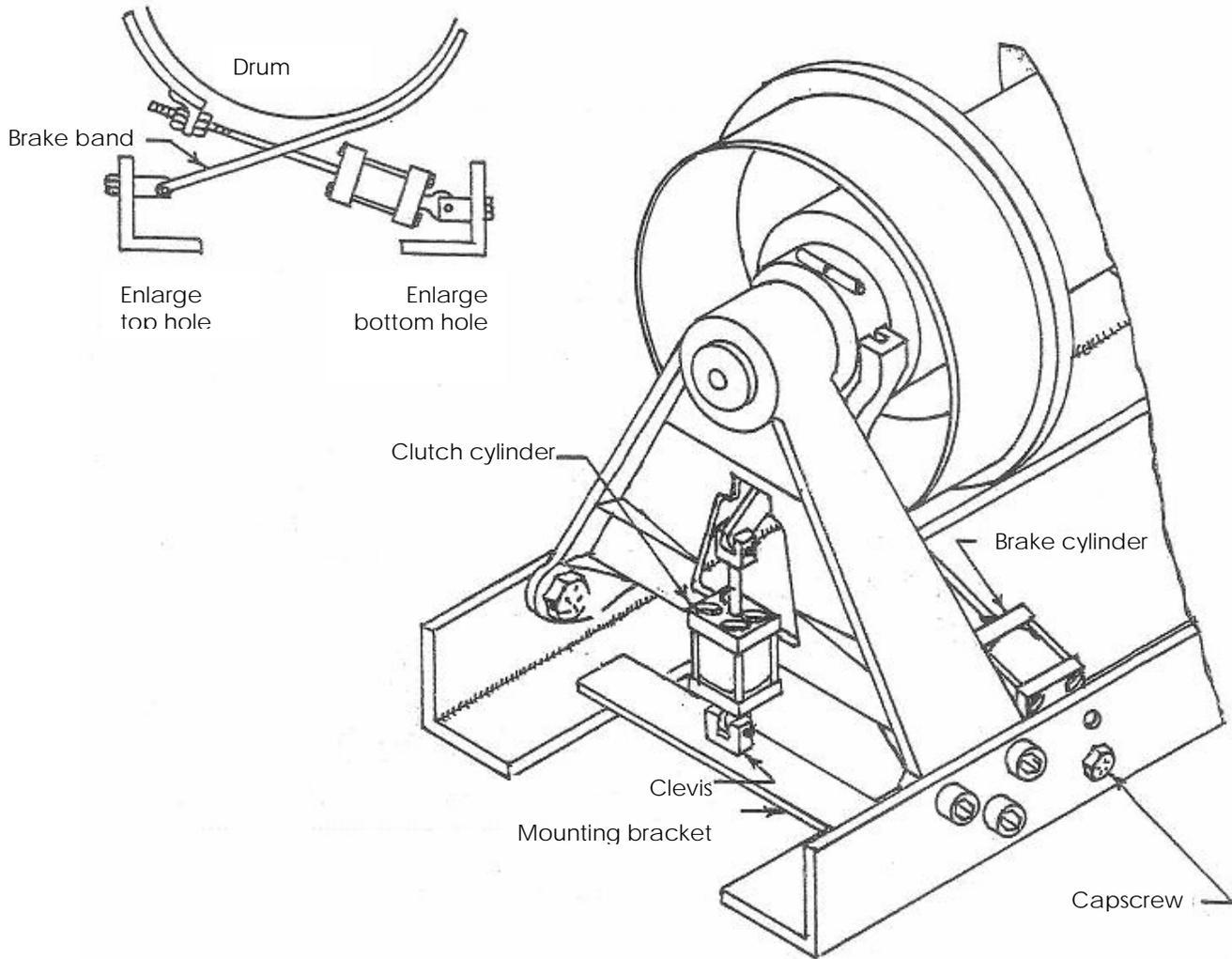


## AIR POWER SYSTEM CO., INC.

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## INSTALLATION INSTRUCTIONS

### WBR-20 and WBR-30 Kits Braden Winch AMS-20 & MS-30



#### WINCH PREPARATION:

Remove control linkage parts for clutch and drum brake *except clutch yoke*.

#### WINCH CLUTCH INSTALLATION:

1. Attach clevis on clutch cylinder (piston rod end) to clutch yoke with clevis pin.  
Secure with cotter pin.

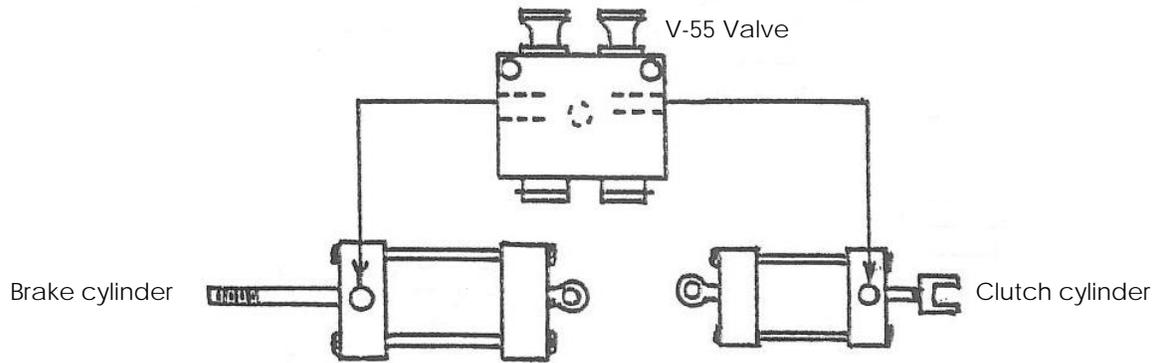
2. Attach clevis to mounting bracket. Pin eyebolt end of clutch cylinder to clevis. Secure with cotter pin.
3. **With clutch engaged**, position mounting bracket so pressure is **not** exerted on clutch yoke. Weld mounting bracket into place.

WINCH BRAKE INSTALLATION:

1. Remove brake band; turn it around to attach to opposite base angles. Remove and discard brake band bracket.
2. Enlarge top hole on winch base angle on opposite side where brake band bracket was attached to 1/2". Bolt clevis on using the enlarged hole. Tighten bolt firmly. Rotate brake band on drum clockwise and connect brake band to clevis with clevis pin. Secure with cotter pin.
3. Enlarge bottom hole on winch base angle (where brake band bracket was installed) to 1/2". Bolt clevis on using the enlarged hole.
4. Attach piston rod end of brake cylinder to the brake band with nuts on both sides of brake band connecting piece. Attach eyebolt end of brake cylinder to clevis using clevis pin. Secure with cotter pin.
5. Apply warning sticker in cab near control or dash.

VALVE(S):

Install valve(s) in desired location. Apply thread sealant to all fittings. Connect tubing between cylinders and valve(s). Connect to air source.



**Bill of Materials**

Qty	Description	WBR-20	WBR-30
1	Cylinder (Clutch)	C-4074	C-4074
1	Cylinder (Brake)	C-5460	C-5470
1	Valve	V-55	V-55
1	Tubing and fitting kit	TF-8	TF-8
3	Clevis	1299	1299
3	Clevis pins	1202	1202
3	Cotter pins	2357	2357
2	Capscrews (1/2-20 x 1.5" lg)	2154	2154
2	Capscrews (1/2-20 x 1" lg)	1485	1485
1	Bracket	1983	1983