

# REMOTE CABLE CONTROL JOYSTICK INSTALLATION FOR PMC VALVES USED WITH FRONT END LOADERS

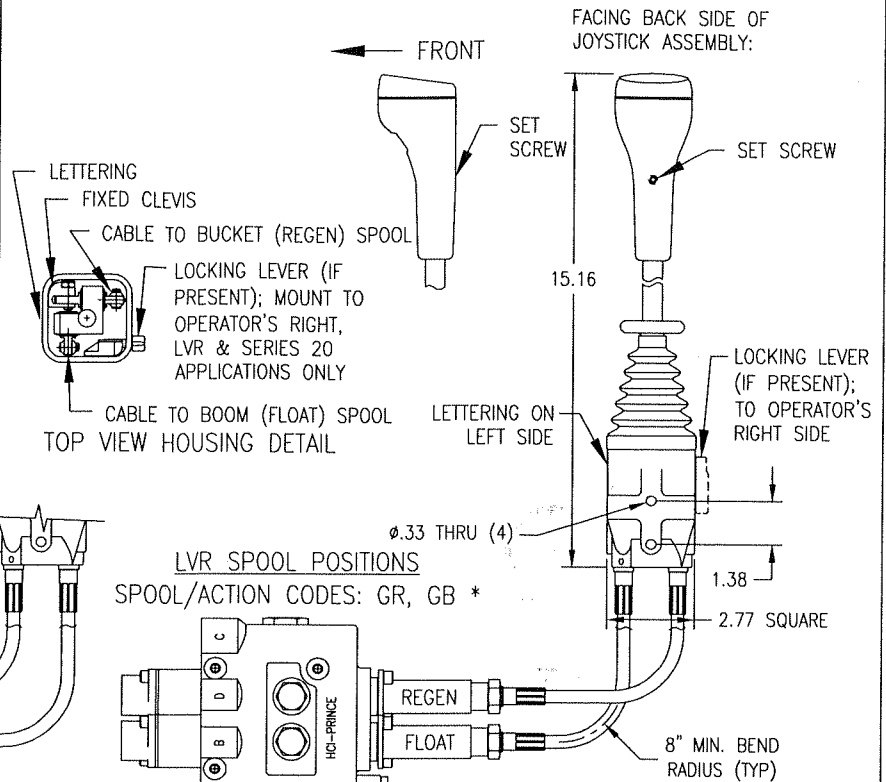
**ALL MODELS:** To maintain the proper handle function & pattern, the cables must be connected to the joystick and valve spools as shown. The joystick housing must be mounted with the lock lever (if present, or side w/three holes) oriented as shown, relative to the operator's position. Confirm that hoses and cables are connected correctly for proper bucket & boom operation before use.

**HANDLE:** If required, loosen the setscrew found in the rear side of the handle until handle can be moved freely. Orient handle as shown, relative to the housing. Tighten setscrew to hold the handle in position.

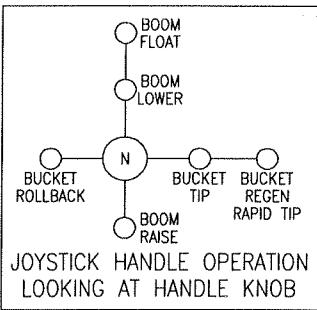
**"SERIES 20" MODELS:** Orient handle as shown with the locking lever (if present) to the right, lettering to the left. Connect the cable labeled "to boom spool" to the float (boom) section of a stack valve. Connect the cable labeled "to bucket spool" to the bucket section of the stack valve.

\* **"BB" SPOOL/ACTION:** LVR/LVT models having "BB" spool/action may use either joystick orientation depending on how the hoses are connected in the application.

## LVR & SERIES 20 MODELS:



## LVS, LVT, SV & RD5200 MODELS:

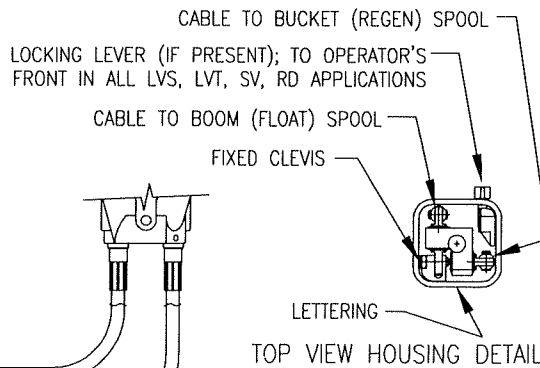


**LVT SPOOL POSITIONS**  
SPOOL/ACTION CODES: GR, GB \*  
MODELS USING C-689 CASTING

**LVT SPOOL POSITIONS:**  
SPOOL/ACTION CODES: RG, BG \*  
MODELS USING C-714 CASTING

## 'SV' & 'RD5200' MODELS:

Orient the housing and handle as shown with the locking lever (if present, or side with three holes) toward the operator's front and lettering to the rear. Connect the cable labeled "To Boom Spool" to the 1st spool (A-B) of an RD5200, or to the float (boom) section's spool of a stack valve. Connect the cable labeled "To Bucket Spool" to the 2nd spool (C-D) of an RD5200, or to the bucket section's spool of a stack valve.



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## REMOTE CABLE CONTROL

Heavy duty remote cable controls are available for most Prince directional control valves. The compact controller bodies are of die-cast metal construction and are available in either dual axis or single axis configurations. Dual axis joysticks are constructed with steel swivels and anti-wear bushings. The high strength flexible control cables are jacketed and have quick attach connections.

### REMOTE CONTROLLERS

	Prince Part No.
Dual Axis Joystick with lock	660170038
Dual Axis Joystick with lock & single normally open momentary switch	660170041
Single Axis Joystick	660170039

### CONTROL CABLES

49 inches long (1.25 M)	660171125
59 inches long (1.50 M)	660171150
79 inches long (2.00 M)	660171200
98 inches long (2.50 M)	660171250

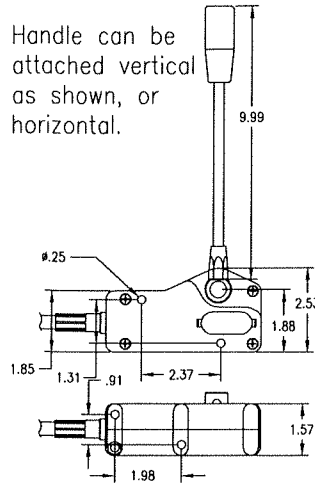
### VALVE CONNECTION KITS

RD5000 series kit*	660170037
LVS kit (Series loader valve)**	660170029
LVR or LVT kit (Rear or Top ported loader valve)**	660170029
SV stack valve or RD4100 kit***	660170031
Series 20 stack valve kit****	660170035

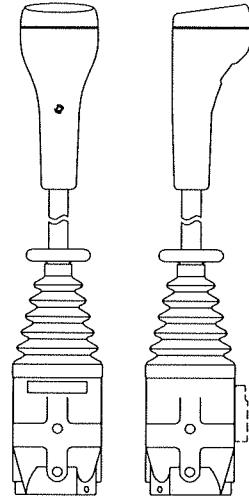
Note: One control cable and one connection kit is required for each spool controlled. Order the remote controller, the control cables and the connection kits as necessary to complete the remote cable control assembly.

- \* Field convertible or order option 3, less handle assembly.
- \*\* Order loader valve handle option 8, tang end only.
- \*\*\* Field convertible from standard handle or order option 6, clevis spool end only.
- \*\*\*\* Field convertible or order option 3, less complete handle.

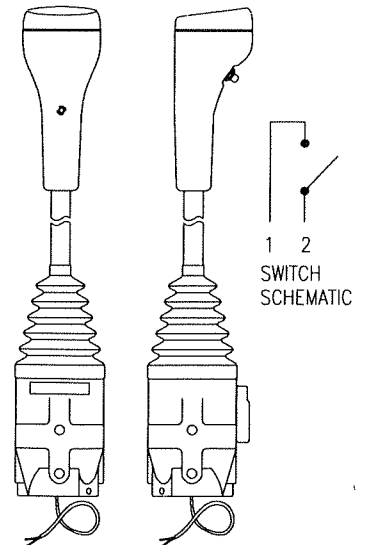
### SINGLE SPOOL CONTROLLER



### DUAL AXIS CONTROLLER (LVT, RD5000 orientation shown)



### DUAL AXIS CONTROLLER WITH SWITCH (LVT, RD5000 orientation shown)



### Istruzioni di montaggio cavi

- 1) Sollevare la cuffia (A).
- 2) Aprire il sacchetto contenente la minuteria (D,E,F,G,H).
- 3) Inserire i cavi (B) e (C) nei fori di  $\varnothing 14$  mm posti sul fondo del Joystick.  
Inserire la vite (D) M6x75 nel foro diagonale apponendo il relativo dado autobloccante (E) e stringere (coppia di serraggio 20 Nm).
- 4) Collegare le forcelle dei cavi (B) e (C) tramite i perni (F) e i benzing (G) alla crociera.
- 5) Riportare la cuffia (A) nella sua sede.
- 6) Dopo avere installato il joystick, inserire i tappi bianchi (H) nei fori rimasti liberi.

E' consigliabile non ruotare l'impugnatura in quanto posizionata già sull'asse preferenziale di lavoro.

### Assembly cables instructions

- 1) Raise ear protector (A).
- 2) Open plastic part bag (D,E,F,G,H).
- 3) Insert cables (B) and (C) in the holes  $\varnothing 14$  mm on the bottom of the Joystick.  
Insert the screw (D) M6x75 in the diagonal hole putting the relevant locknut (E) and then tighten (tightening torque 20 Nm).
- 4) Connect clevis of the cables (B) and (C) to the cross trough the pivot (F) and the snap ring (G).
- 5) Reposition ear protector (A) in the own seat.
- 6) After the joystick installation, put the white plugs (H) in the free holes.

We recommend do not turn the handgrip, because it's already located on the right axis.

### Instructions montage des câbles

- 1) Lever le soufflet (A).
- 2) Ouvrir le sac du kit de fixation (D,E,F,G,H).
- 3) Insérer les câbles (B) et (C) dans les trous  $\varnothing 14$  mm placées à l'embase du joystick.  
Insérer la vis (D) M6x75 dans le trou diagonale et mettre le relatif écrou de blocage (E), depuis serrer (couple de serrage 20 Nm).
- 4) Coupler les chapes des câbles (B) et (C) par les pivots (F) et les benzings (G) à la croisée.
- 5) Remettre le soufflet (A) dans sa place.
- 6) Apres l'installation, insérer les bouchons blancs (H) dans les trous libres.

Il est préférable ne tourner pas le poignée pourquoi il est déjà placé sur l'exact axe.

### Instrucciones de montaje del cable

- 1) Levantar el protector (A).
- 2) Abrir la bolsa de las diferentes piezas (D, E, F, G, H).
- 3) Insertar los cables (B) y (C) in los agujeros  $\varnothing 14$  mm.de la parte de abajo del Joystick.  
Insertar el tornillo (D) M 6x75 en el agujero diagonal y colocando la contratuerca (E) apretendo 20Nm.
- 4) Conectar los ganchos de los cables (B) y (C) en cruz a través del pivote (F) y anillo de cierre (G).
- 5) Volver a poner el protector (A) en su sitio.
- 6) Poner los tapones blancos (H) en los agujeros vacios.

Recomendamos no girar la empuñadura porque ya esta colocada sobre el eje correcto de trabajo.

