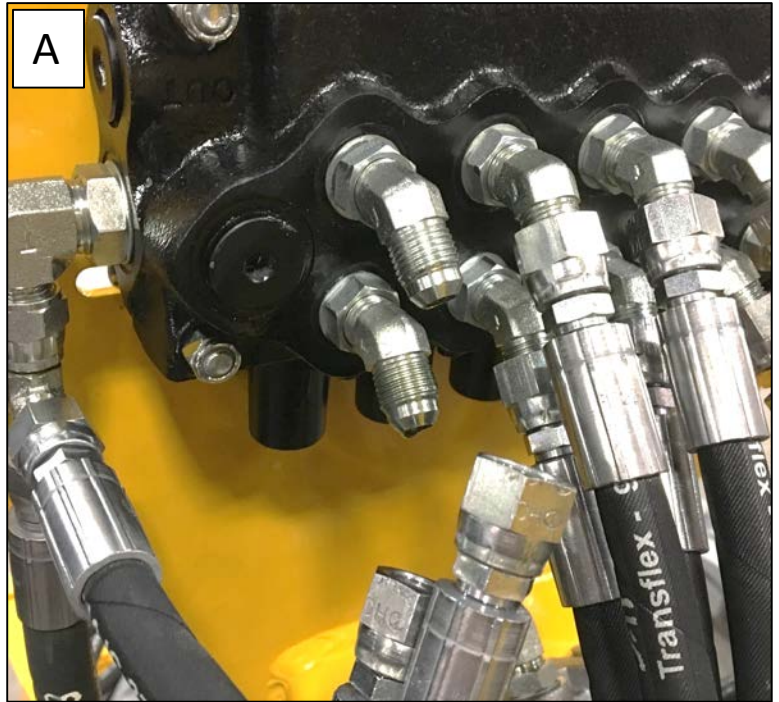


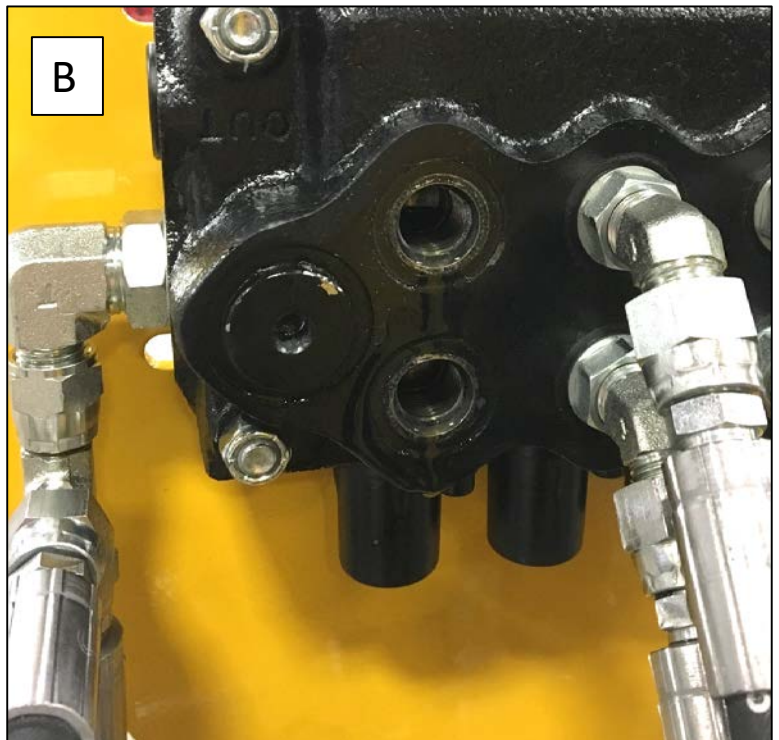
## Adding a winch 400 on a RF-410

1- Before to start the installation, be sure that the trailer is supported by its jack instead of the outriggers.

2- With a  $\frac{3}{4}$  wrench, remove the hoses of the right side outrigger (A).

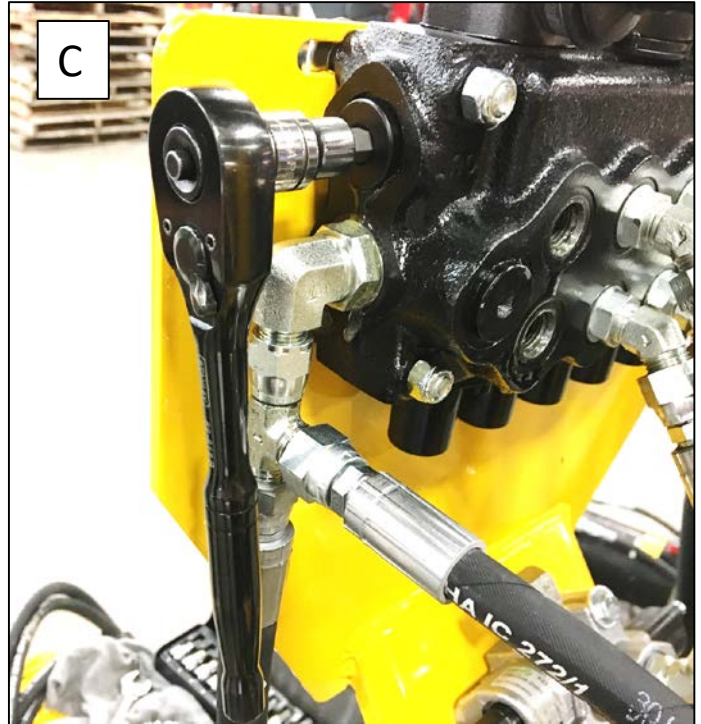


3- With a  $\frac{11}{16}$  wrench, remove the fittings (B) of the right outrigger (temporarily).

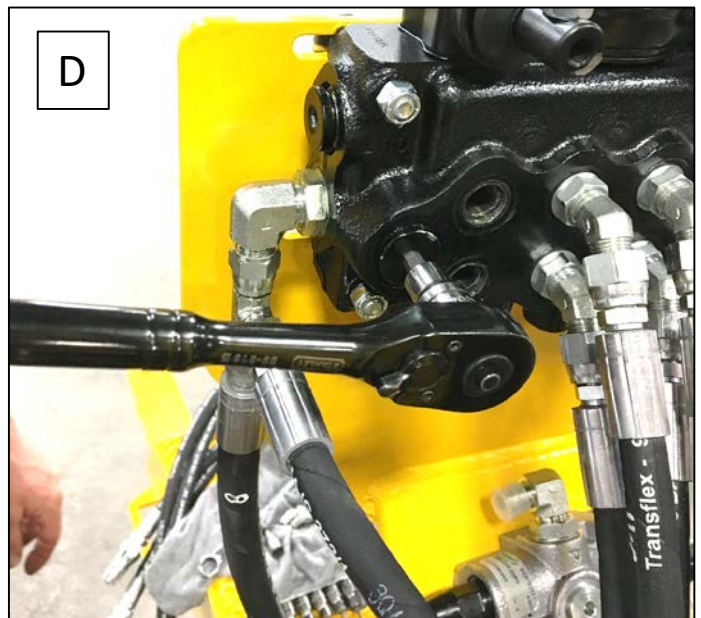


## Adding a winch 400 on a RF-410

4- With a 8 mm (or 5/16) Allen socket, remove the plug on the OUT upper side of the main valve (C).



5- With a 6 mm (or 7/32) Allen socket, remove the plug (D) to the left of the previous removed fittings (step 3).

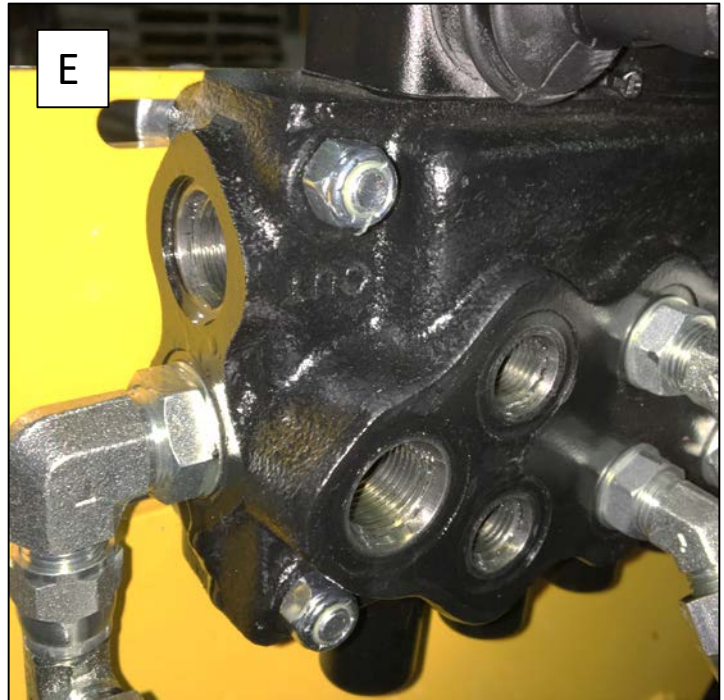




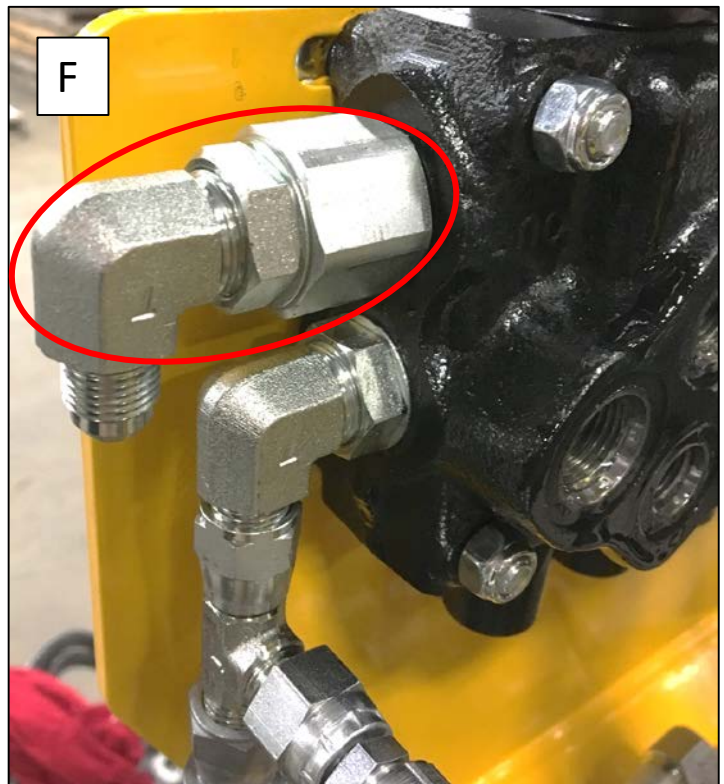
## Adding a winch 400 on a RF-410

Here is the valve now.  
You may now to install the  
provided fittings.

Note: If needed, with a  $\frac{1}{2}$  wrench  
and socket, loose slightly the 4  
bolts that hold the valve to the  
support for an easier installation.

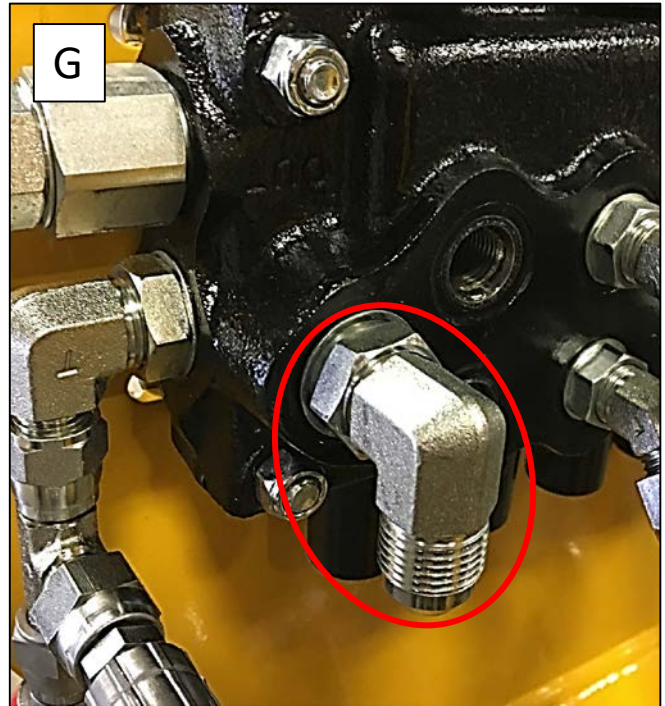


6- With a  $1 \frac{1}{16}$  wrench , screw  
the power beyond and the fitting  
at the end, if not assembly (F) in  
the main valve.

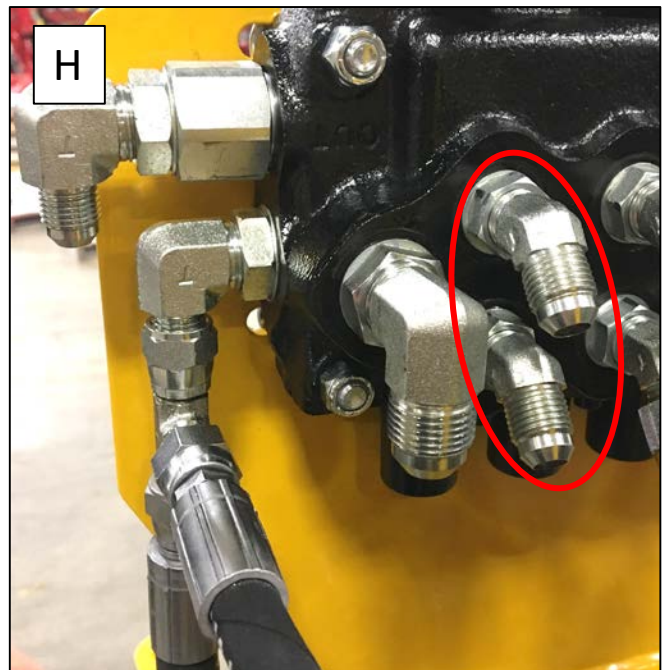


## Adding a winch 400 on a RF-410

7- With a  $\frac{3}{4}$  and  $\frac{7}{8}$  wrench, install the provided fitting as showed (G).

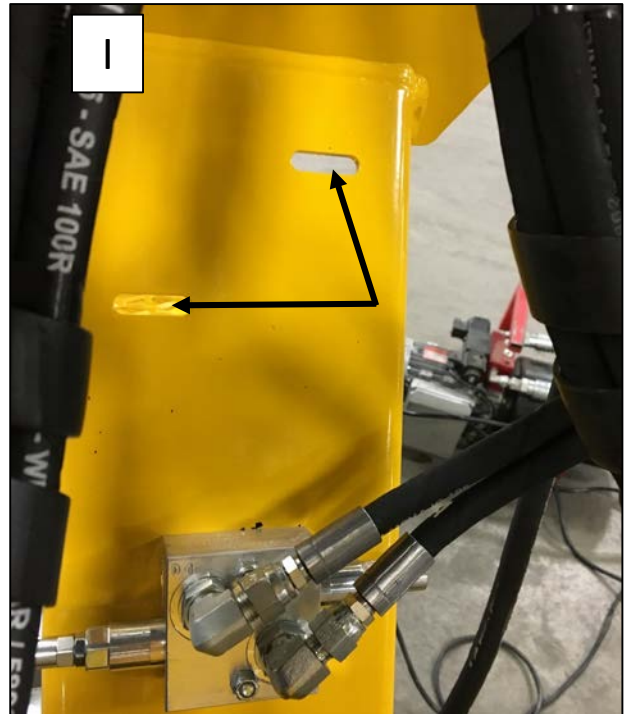


8- With a  $\frac{9}{16}$  and  $\frac{11}{16}$  wrench, reinstall the fittings of the outrigger by starting with the below one (H).



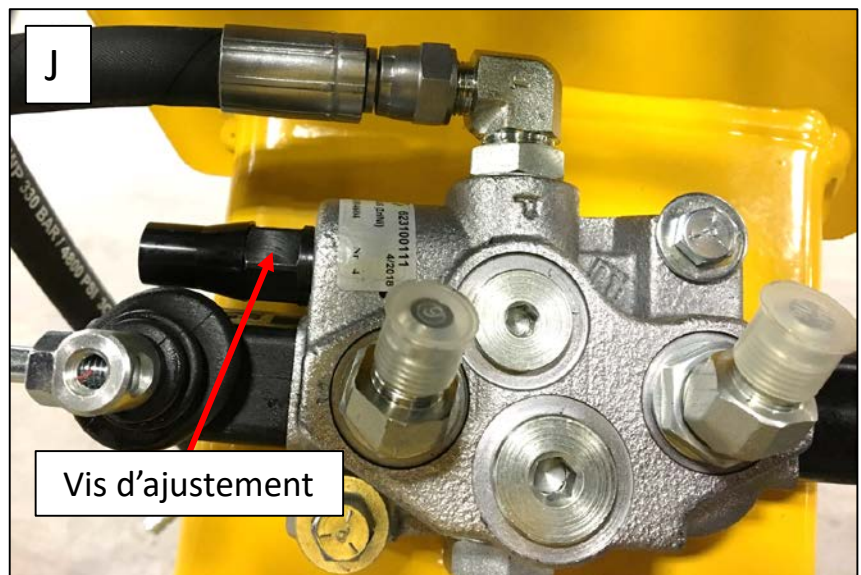
## Adding a winch 400 on a RF-410

9- With a  $\frac{1}{2}$  socket and wrench, install the option valve as illustrated (J) in the 2 holes of the support (I). Install the lever on that valve with a  $\frac{1}{2}$  wrench.



Note: The adjustment screw must be completely screwed in order to let the maximum pressure pass (J).

If the cable speed seems slow, verify with a 13 mm ( $\frac{1}{2}$ ) wrench and an Allen key 4 mm ( $\frac{5}{32}$ ).



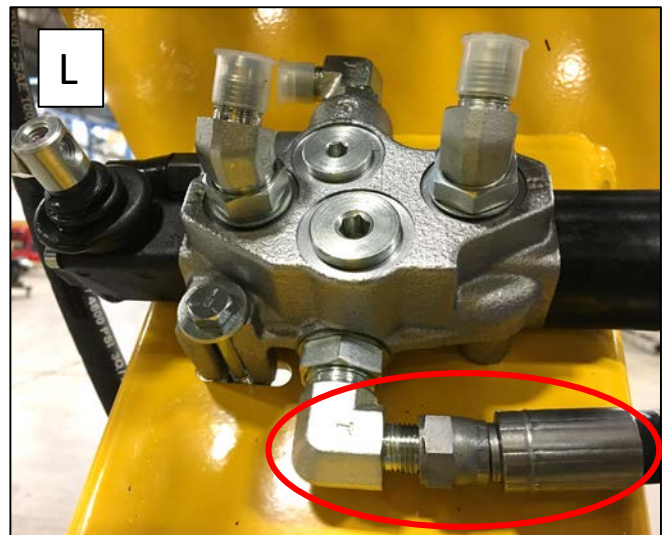


## Adding a winch 400 on a RF-410

10- With a 15/16 wrench, install the hose #29 that comes from the main valve to the option valve. Use the elbow end as illustrated (K).



11- With a  $\frac{3}{4}$  wrench, Install the other end of the #29 hose to the bottom position of the option valve (L).

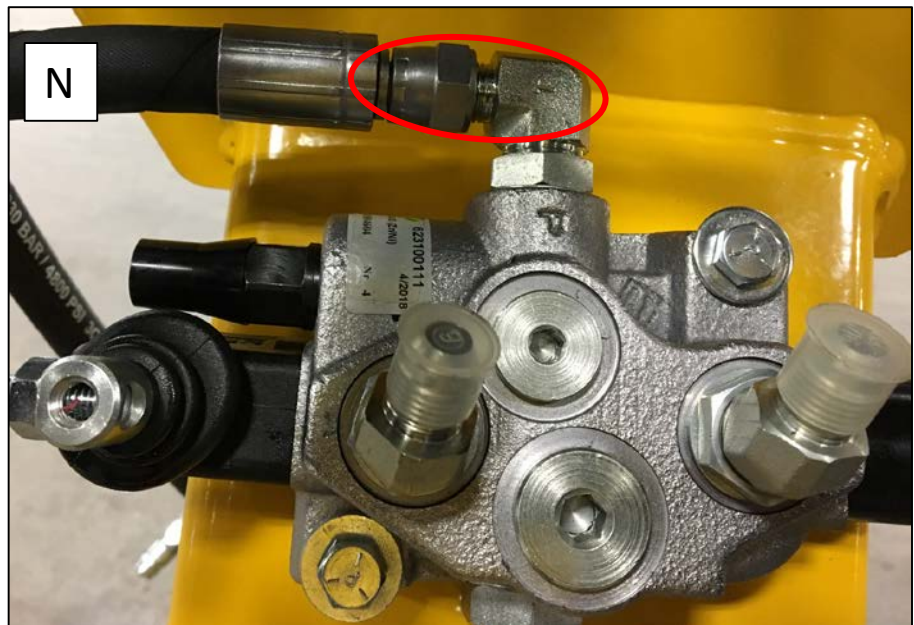


## Adding a winch 400 on a RF-410

12- With a  $\frac{3}{4}$  wrench, install the provided #28 hose, from the main valve to the option valve (M).



13- With a  $\frac{3}{4}$  wrench, install the other end of the #28 hose to the top fitting of the option valve (N).



## Adding a winch 400 on a RF-410

14- Install the winch on the boom facing the holes. Screw on the provided bolts (1/2 X 6") with a  $\frac{3}{4}$  socket and wrench.



15- Install the pulley support (P) to a distance of 8 1/2" from the winch (O) with a  $\frac{3}{4}$  wrench. Be careful that the pulley does not hit the cylinder.



16- Screw completely the nuts (Q) under the winch with a 9/16 socket or wrench.





## Adding a winch 400 on a RF-410

17- Connect the 2 provided hoses #25 from the winch to the option valve.



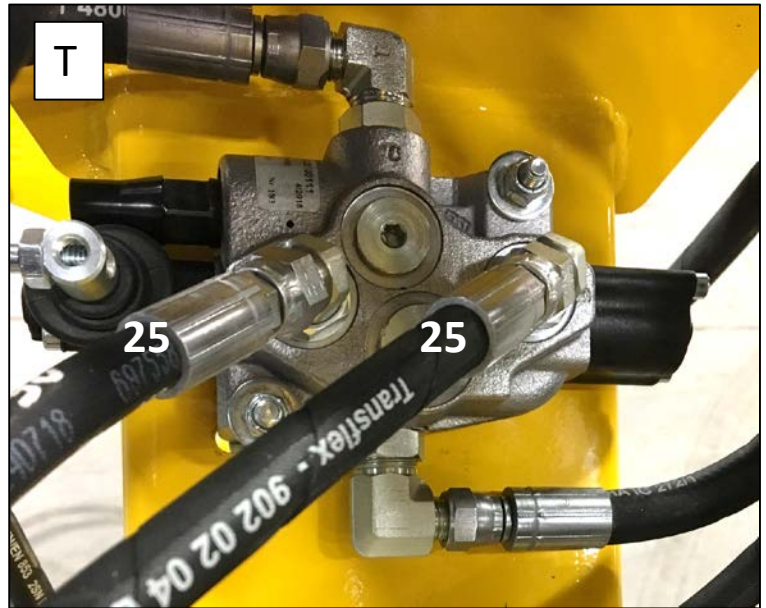
18- Weave these 2 hoses in the bunch (R), then follow the right line (S).

Once the hoses are well plugged, tighten the option valve fittings (T).

It is important to try if the valve works on the good way. Alternate the hoses if needed.



## Adding a winch 400 on a RF-410



### Needed tools:

- Wrenches 1 1/16, 7/8, 3/4, 11/16, 9/16 and 1/2;
- Socket 1 1/16 and 1/2;
- Socket Allen 8 mm (or 5/16), 6 mm (or 7/32) and 4 mm (or 5/32);
- Wire cutter pliers;
- Tape measure.

### Required time:

- 60 minutes