

4669G-700 ATV TRAILER RITCHIE CLAMP FITTING



Tools Required to assemble -
Electric drill, 11mm drill bit, 9mm drill bit.
1 x 13mm combination spanner
1 x 17mm combination spanner
1 x 24mm combination spanner
1 x ratchet drive c/w 13, 17 & 24mm sockets
1 x hammer
1 x vice grips

The trailer chassis should already be built from the decision to run sheep from right to left or left to right, when standing on Ritchie clamp.
As shown in main view, this is for **Right to Left**.

Before and During Assembly (if applicable)

Select a suitable flat level site for assembly. Ensure there is sufficient space, free of obstacles, for the assembly of the Ritchie Clamp on to the trailer unit allowing room for any necessary lifting equipment.

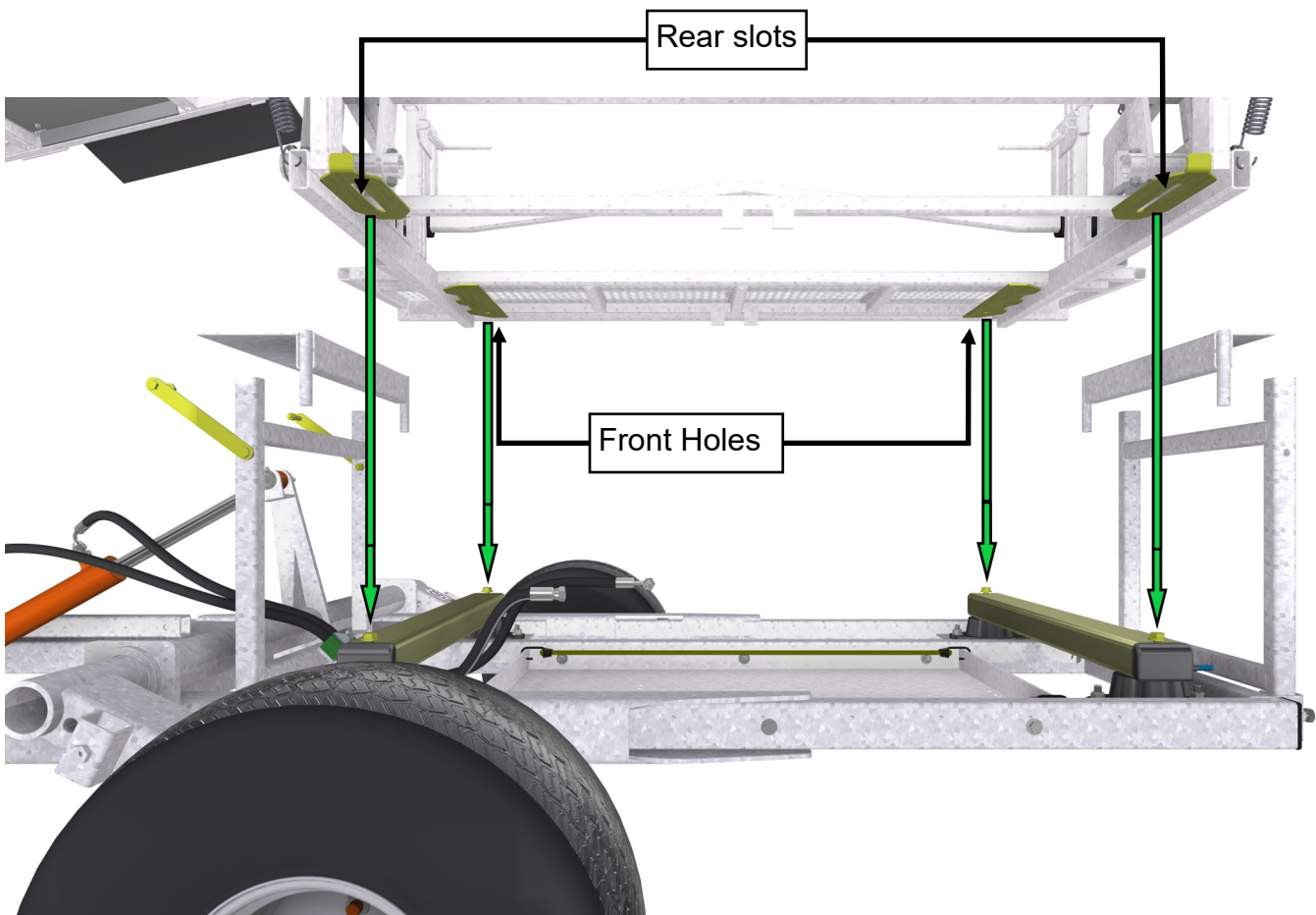
Ensure the trailer cannot move when detached from towing vehicle.

Manual handling regulations should be followed when assembling the Ritchie Clamp and associated ramps on to the trailer unit. The use of lifting equipment should be solely by trained operators who have read the safety and operation instructions for the specific equipment.

The use of power drills / screwdrivers should be solely by trained operators who have read the safety and operation instructions for the specific tool.

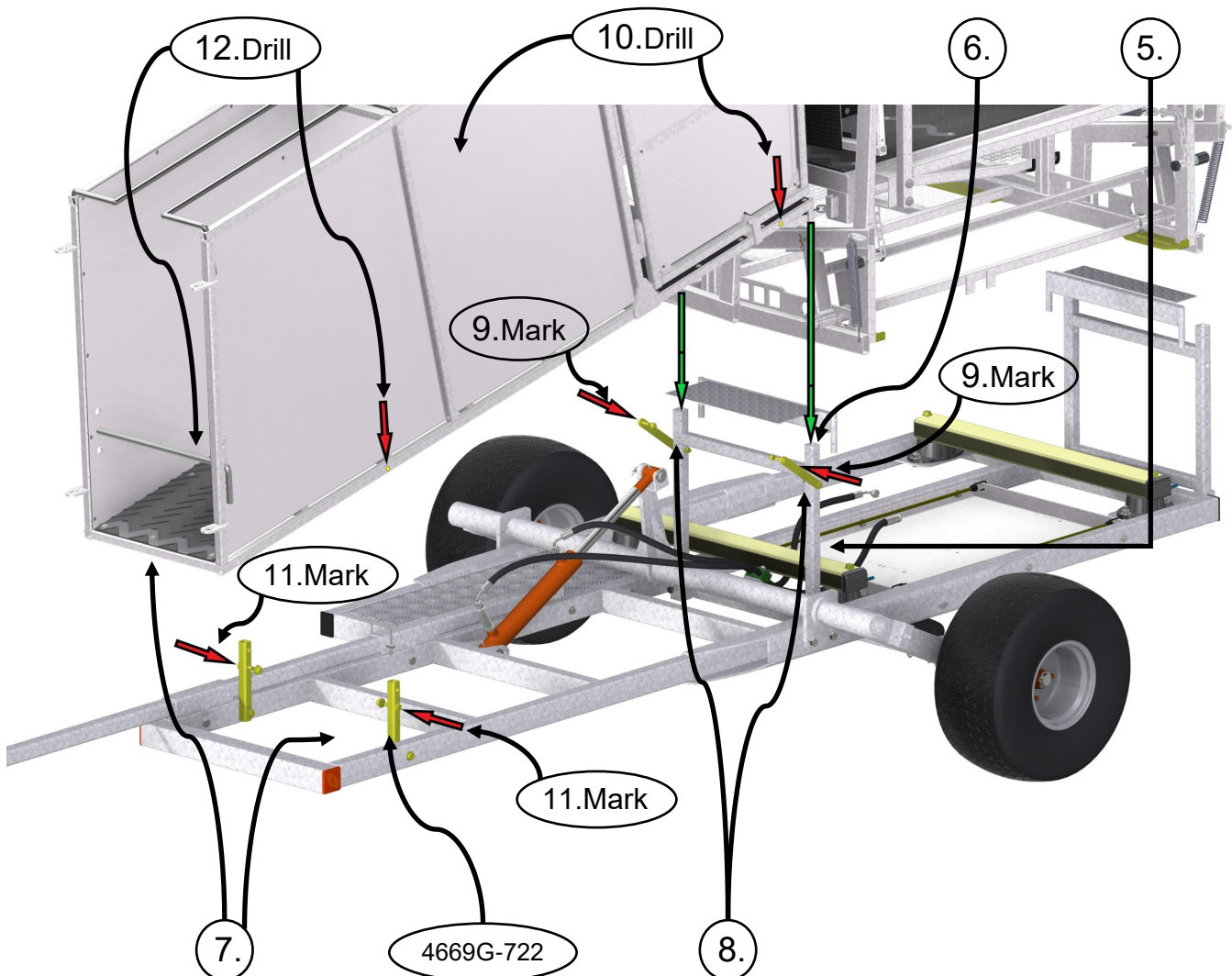
Instructions for fitting Ritchie clamp to ATV trailer

1. Loosen mounting bolts of load bars or dummy load bars, previously fitted to the chassis, for easier adjustment.
2. Lift Ritchie clamp base unit onto trailer and align front mounting holes of base over front holes in loadbars.
3. Use M10 x 35 setscrew & washer to locate front holes and also rear slots in Ritchie clamp base to load bars.
4. Leave bolts and setscrews loose for final fine adjustment, to be tightened later.



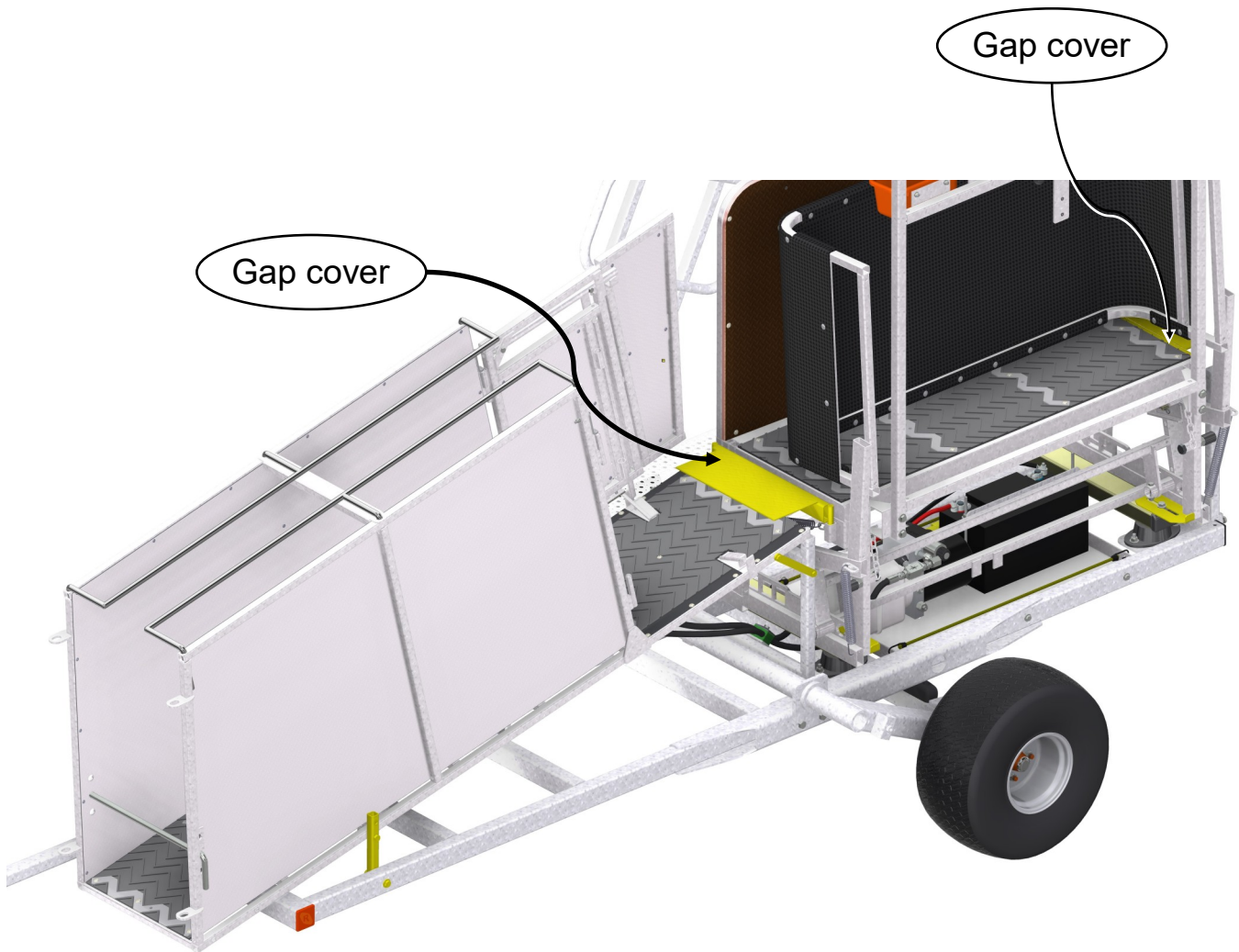
Instructions for fitting Ritchie clamp lead up ramp to ATV trailer

5. Ensure H-FRAME ASSY with hose clamp is securely fitted to chassis.
6. Lift lead up ramp onto trailer, placing locating pins in open top of H-FRAME ASSY.
7. Lower end of ramp should rest on the chassis cross member between previously fitted support bars 4669G-722.
8. Attach link bars to H-FRAME ASSY using M8 x 50 bolt and nyloc.
9. Swing link bars to meet up ramp base side rails and mark through the hole on the centreline of the rails.
10. Drill Ø9mm hole through the side rails and fit M8 x 50 bolt and nyloc.
11. At lower end of ramp adjust support bars 4669G-722 to allow marking of hole centre on rail centreline.(If fitting older type long ramp, keep the end of the ramp and trailer on the ground and use the upper most hole in 4669G-722 to mark the side rail. Ramp will not rest on the trailer crossmember but will be supported by 4669G-722)
12. Drill Ø11mm hole through the side rails and fit M10 x 65 bolt, washer and nyloc through supports and rails.
13. Adjust Ritchie clamp base unit for best alignment to ramp and tighten all base and load bar bolts & nuts.
14. Ensure hydraulic hoses do not touch load bars by adjusting position in hose clamp if necessary.



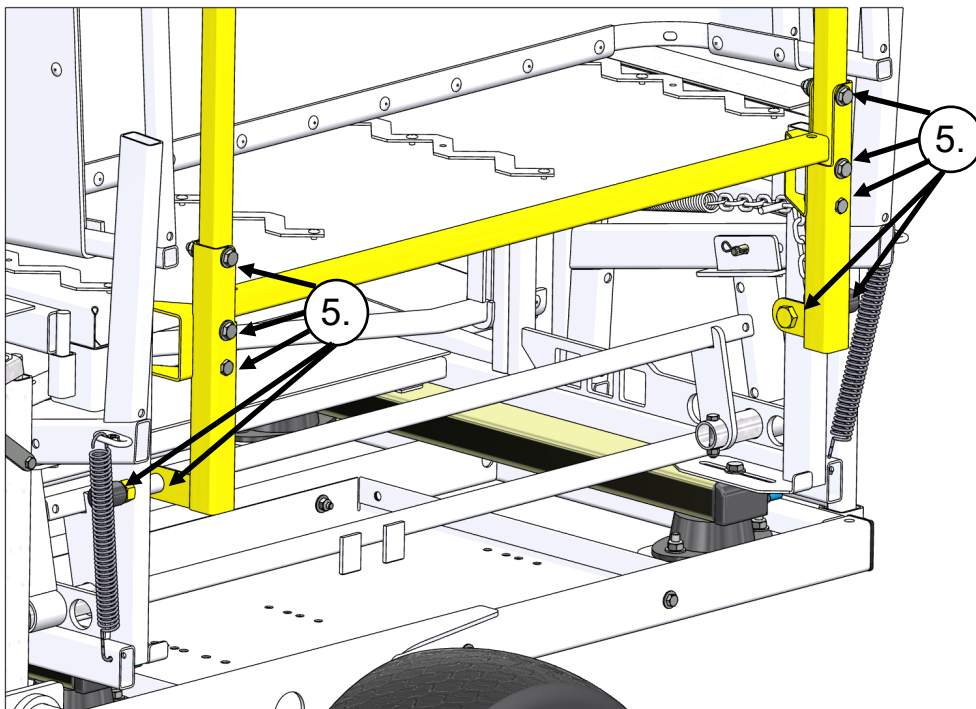
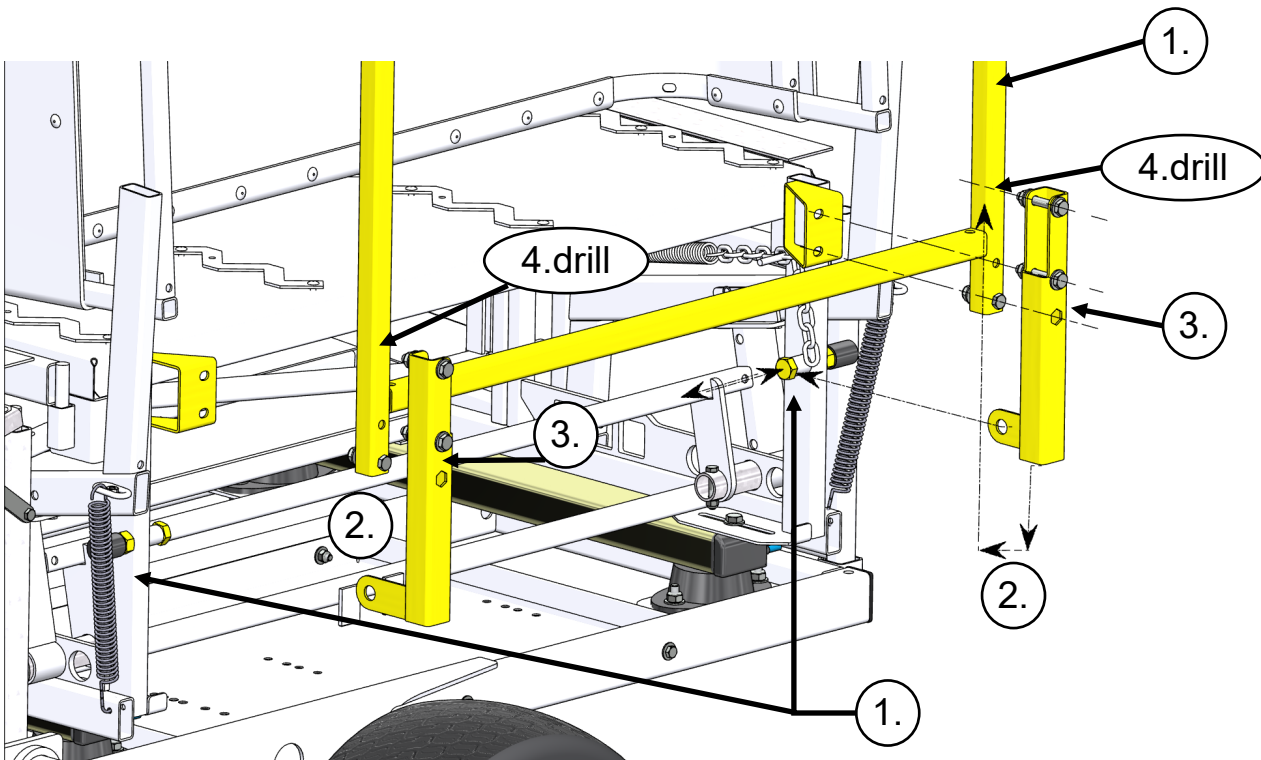
Completion of fitting Ritchie clamp to ATV trailer

Once all bolts and nuts are tightened, fit gap fill cover assembly to sockets on Ritchie clamp base to overlap the end of the ramp. If 3 way shedder is included also fit gap fill cover assembly to clamp exit.

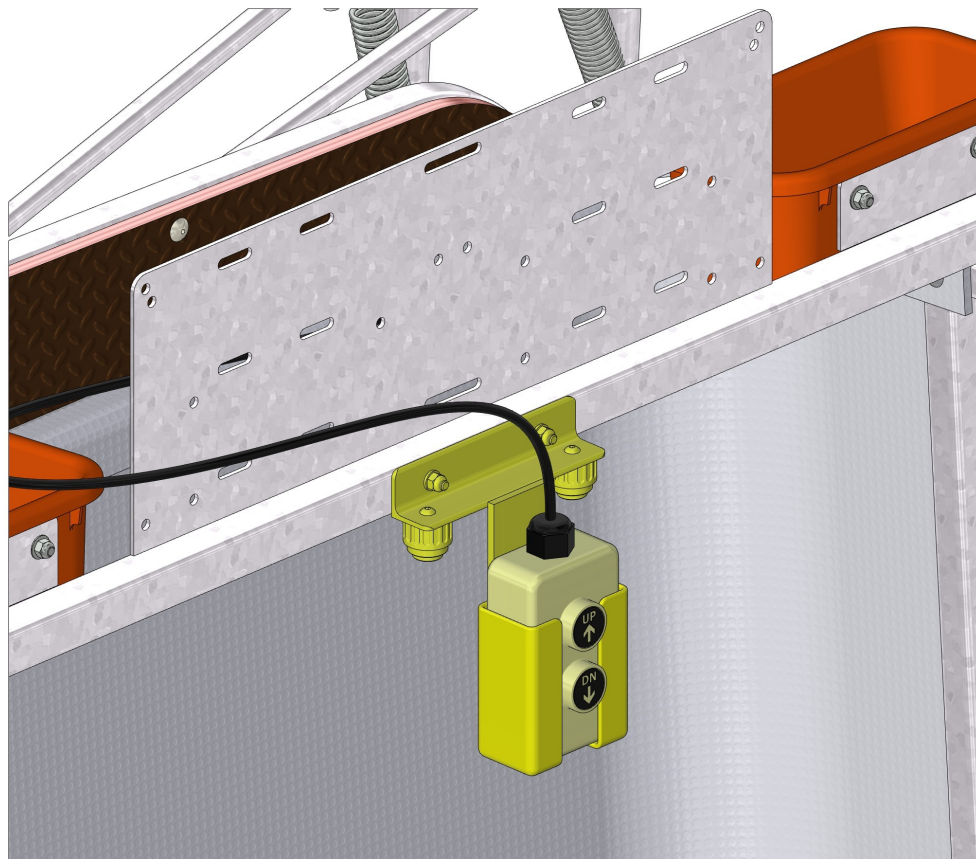
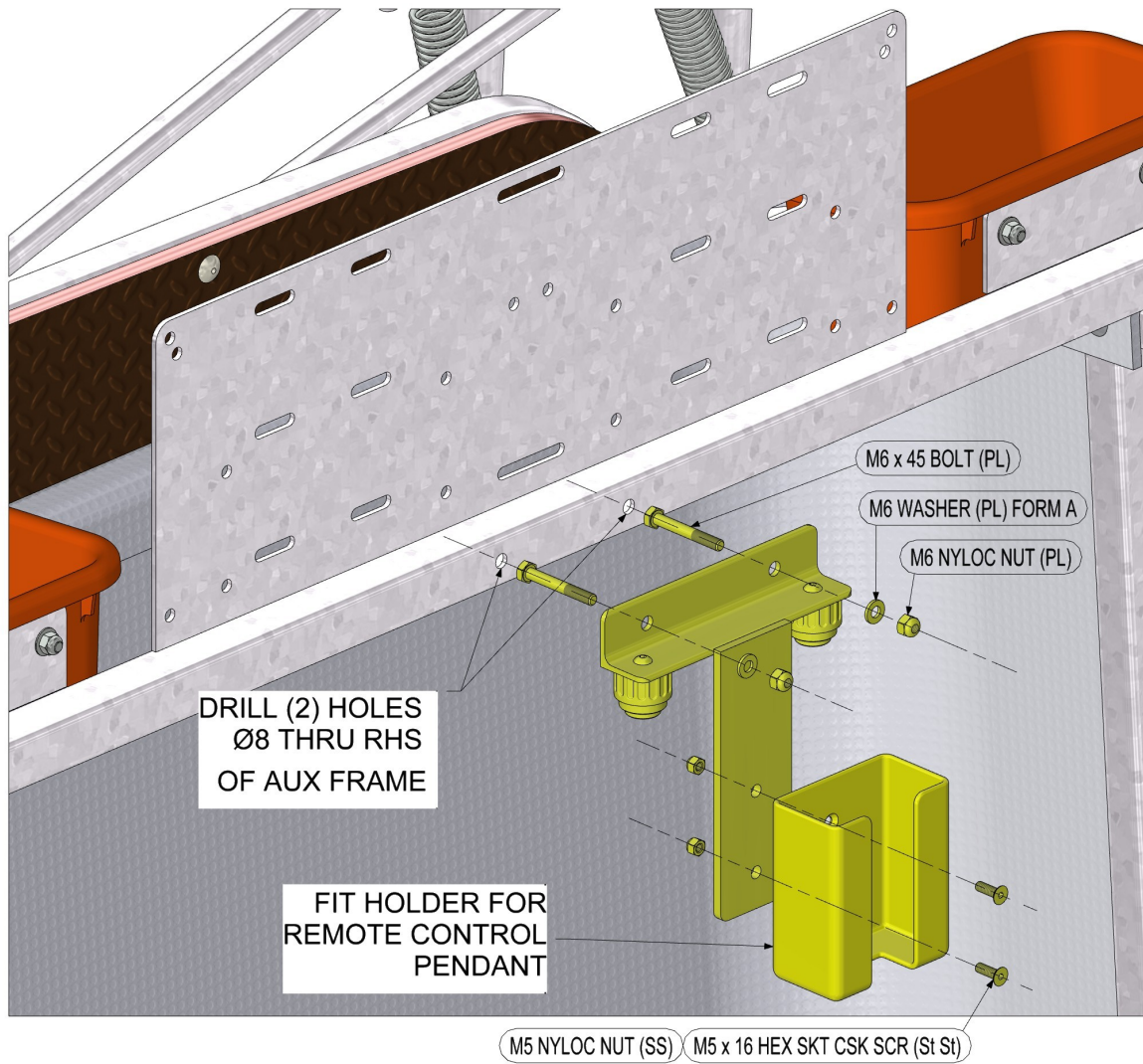


Fitting support brackets to Ritchie clamp auxiliary frame.

1. Remove auxiliary frame (if fitted). Remove M16 bolts & rubber bumps from base frame.
2. Slide support brackets 4669G-A716 & 4669G-A717 onto auxiliary frame legs
3. Fit lower two bolts thru' A716 & A717 brackets & auxiliary frame, then lay on flat surface for drilling.
4. Drill Ø11 thru' auxiliary frame using top hole of A716 & A717 as guide.
5. Fit auxiliary frame & brackets loosely to base frame with (6) M10 & (2) M16 bolts.
6. Align all parts and finally tighten all bolts fully and refit rubber bump stops on M16 bolt threads.



Fitting cable stow bracket and remote control pendant holder to Ritchie clamp auxiliary frame.



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