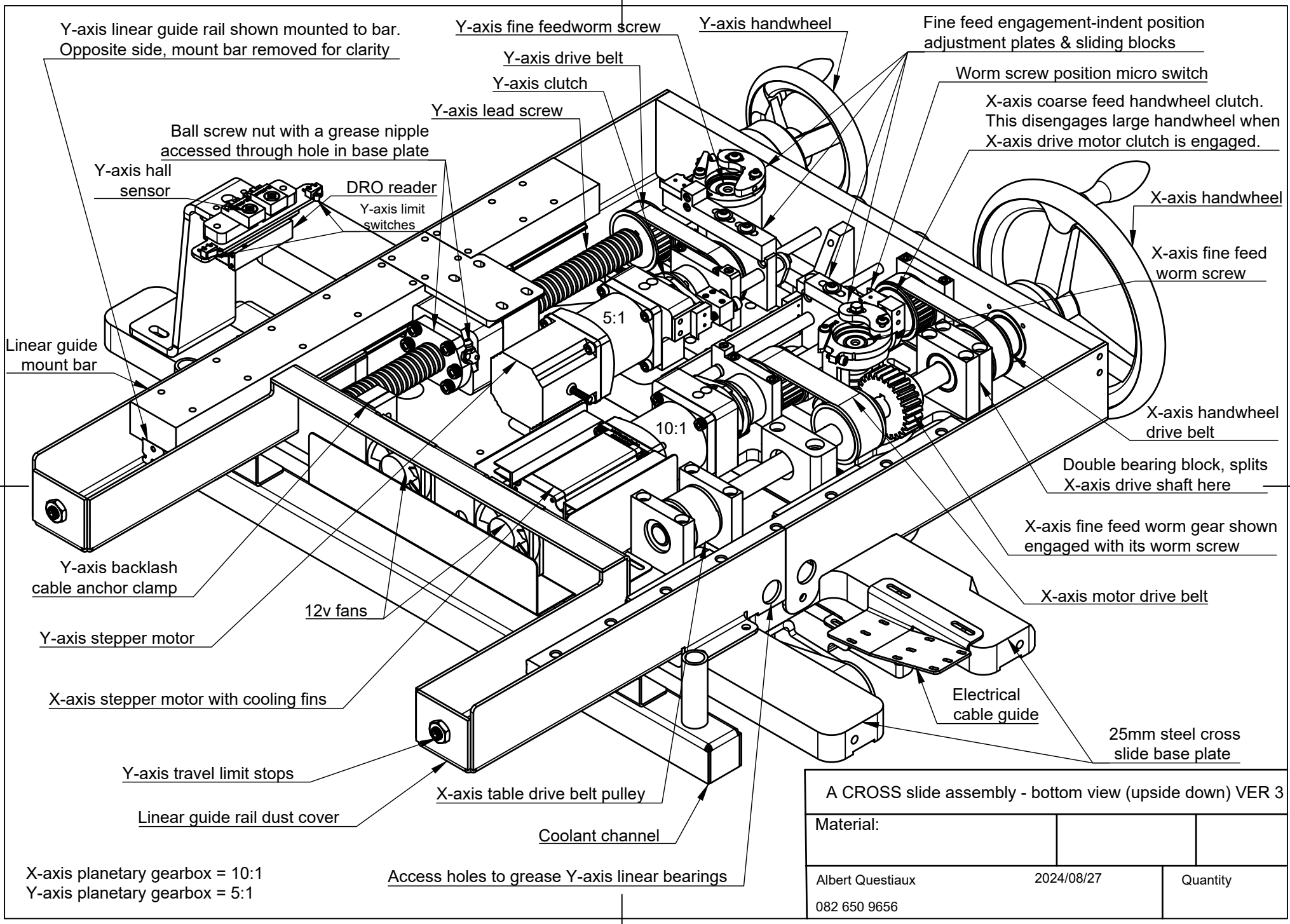
Y-axis linear guide rail shown mounted to bar.
Opposite side, mount bar removed for clarity
Y-axis fine feedworm screw
Y-axis handwheel
Fine feed engagement-indent position
adjustment plates & sliding blocks
Y-axis drive belt
Worm screw position micro switch
Y-axis clutch
X-axis coarse feed handwheel clutch.
This disengages large handwheel when
X-axis drive motor clutch is engaged.
Y-axis lead screw
Ball screw nut with a grease nipple
accessed through hole in base plate
Y-axis hall
sensor
DRO reader
Y-axis limit
switches
X-axis handwheel
X-axis fine feed
worm screw
5:1
Linear guide
mount bar
10:1
X-axis handwheel
drive belt
Double bearing block, splits
X-axis drive shaft here
X-axis fine feed worm gear shown
engaged with its worm screw
Y-axis backlash
cable anchor clamp
X-axis motor drive belt
12v fans
Y-axis stepper motor
X-axis stepper motor with cooling fins
Electrical
cable guide
25mm steel cross
slide base plate
Y-axis travel limit stops
X-axis table drive belt pulley
Linear guide rail dust cover
Coolant channel
Access holes to grease Y-axis linear bearings
X-axis planetary gearbox = 10:1
Y-axis planetary gearbox = 5:1
A CROSS slide assembly - bottom view (upside down) VER 3
Material:
Albert Questiaux
2024/08/27
Quantity
082 650 9656