

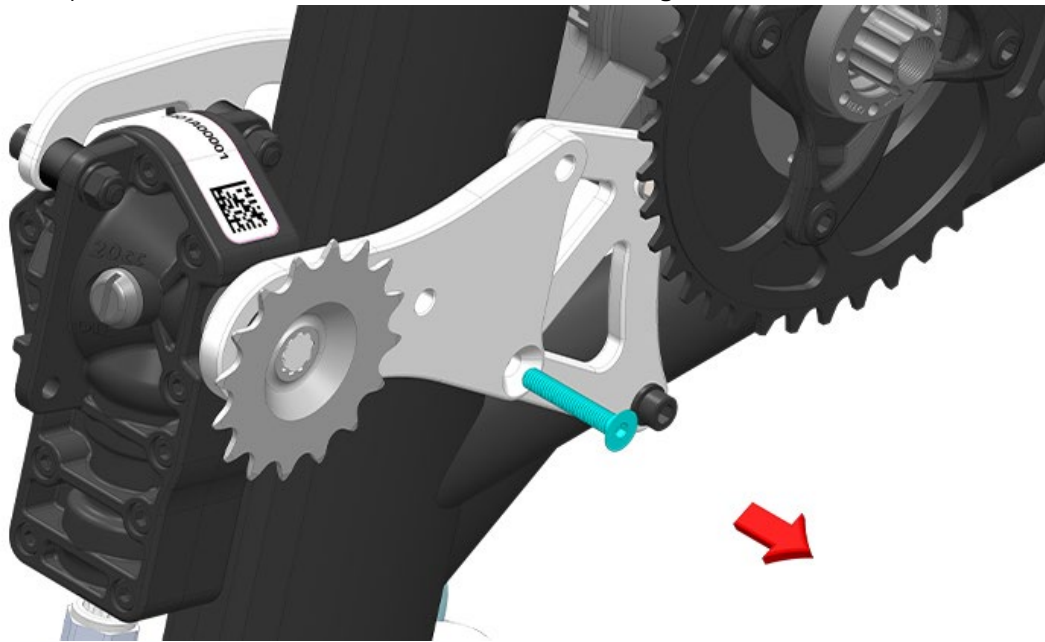
This tutorial shows how to remove the Drive Gear Assembly from the XE-1

1. Work Instruction – Remove Drive Gear Assembly

TOOLS REQUIRED

ID	Description	Task
	M4 Hex Key	Remove M6 Countersink Head Screw

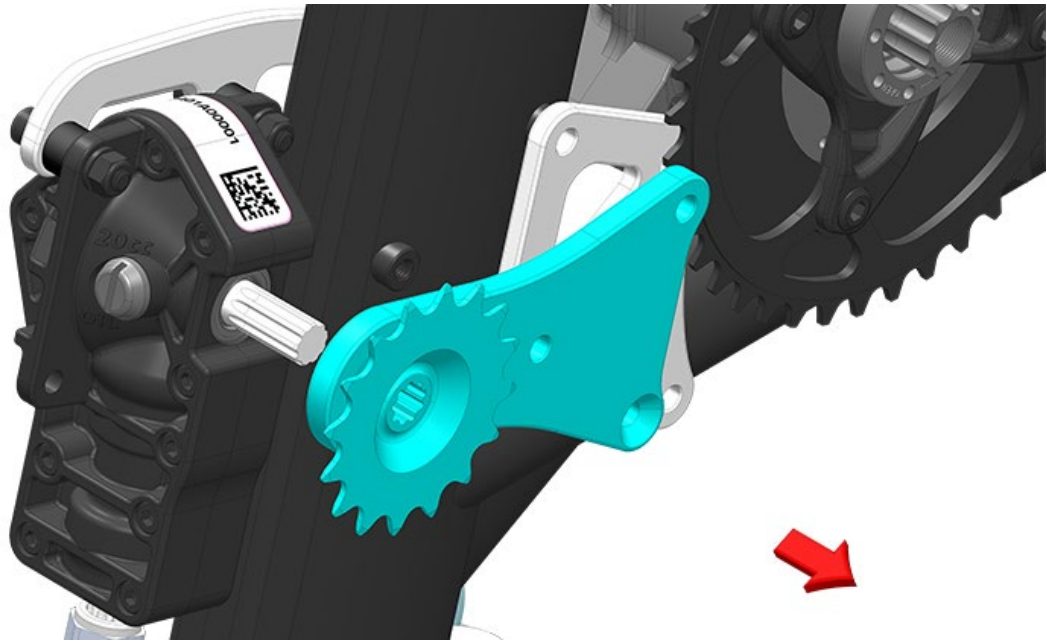
1.1 Remove M6 Torque Plate Screw with countersink head and thread length 35 mm. [Tools: M4 Hex].



INFORMATION: Given that the aluminium screw with countersink head is driven with a M4 Hex, it is more likely for the screw head to get damaged than the rest of the M6 cap screws with M5 socket. Note that the screw can be removed in this scenario by drilling through the head of the screw with a 6 mm drill bit. This allows the bracket to be removed and the screw to be extracted using locking pliers (vice grips).

IMPORTANT: Do not use a shorter length screw (<35 mm) in this location.

1.2 Remove the Drive Gear Assembly (includes Torque Plate and Sprocket) by pulling it off the Top Gearbox Input Shaft with spline.



INFORMATION: Following removal of the Drive Gear Assembly inspect the components.

- The sprocket should not show signs of excessive wear. Compare front and back of teeth.
- The sprocket should turn freely and smoothly by hand.
- The Sprocket Bearing outside race must be securely bonded into the Torque Plate and not floating from left to right.