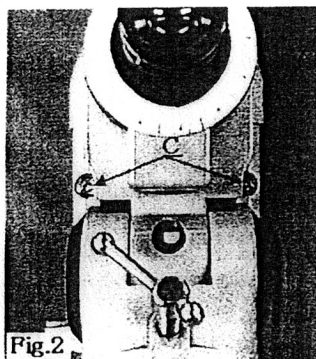
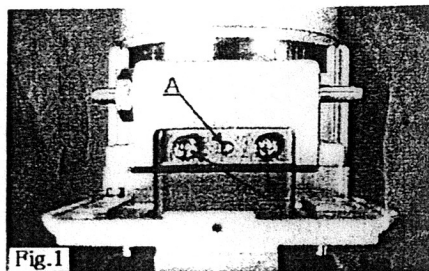


SKYSENSOR 2000 / 2000-PC

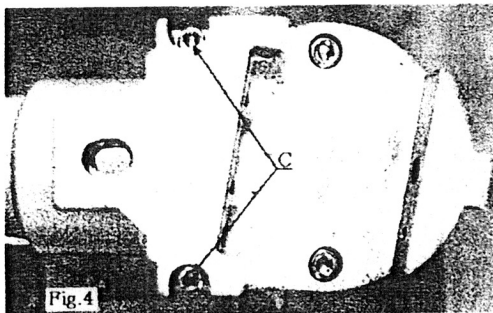
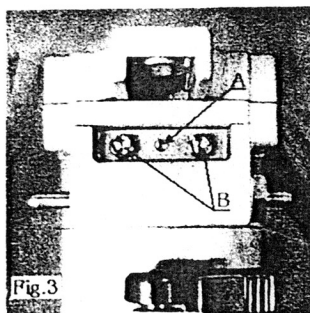
In case the SKYSENSOR motors MT-2 attached to the GP or GP-DX equatorial mount do not operate, the R.A and Decl. worm gears need to be loosened. As the R.A. and Decl. worm gears are adjusted somewhat tightly at a factory for operation by hand or the motor drive motors MT-1, their engagement may be too tight for the SKYSENSOR motors MT-2 to operate. In that case, readjust their engagement. If the engagement is loosened, there may be a little backlash. However, such a little backlash can be compensated by the backlash compensation function of SKYSENSOR 2000 or 2000-PC.

1. How to readjust the R.A. Worm Gear



- ① To loosen the R.A. worm gear engagement, use the pulling adjustment screw "A" and the pushing adjustment screws "B". (Refer to Fig. 1.) Tighten the screw "A" slightly first with a supplied wrench. To loosen the engagement further, loosen the screws "B". Until the motor comes to operate, loosen the engagement little by little with the screws "A" and "B". Torque of the R.A. slow-motion control shaft should be about $0.7\text{kg} \cdot \text{cm}$ for the SKYSENSOR motor MT-2. If it is loosened too much, note that backlash will be big.
- ② In case the motor does not come to operate by the above readjustment with the screws "A" and "B", loosen the screws "C" slightly. (Refer to Fig. 2.) If the motor comes to operate, retighten the screw "C".
- ③ If the motor does not come to operate even by loosening the screw "C", repeat the above ① after retightening the screw "C".

2. How to readjust the Decl. Worm Gear



- ① To loosen the Decl. worm gear engagement, use the pulling adjustment screw "A" and the pushing adjustment screws "B". (Refer to Fig. 3.) Tighten the screw "A" slightly first with a supplied wrench. To loosen the engagement further, loosen the screws "B". Until the motor comes to operate, loosen the engagement little by little with the screws "A" and "B". Torque of the Decl. slow-motion control shaft should be about $0.7\text{kg} \cdot \text{cm}$ for the SKYSENSOR motor MT-2. If it is loosened too much, note that backlash will be big.
- ② In case the motor does not come to operate by the above readjustment with the screws "A" and "B", loosen the screws "C" slightly. (Refer to Fig. 4.) If the motor comes to operate, retighten the screw "C".
- ③ If the motor does not come to operate even by loosening the screw "C", repeat the above ① after retightening the screw "C".