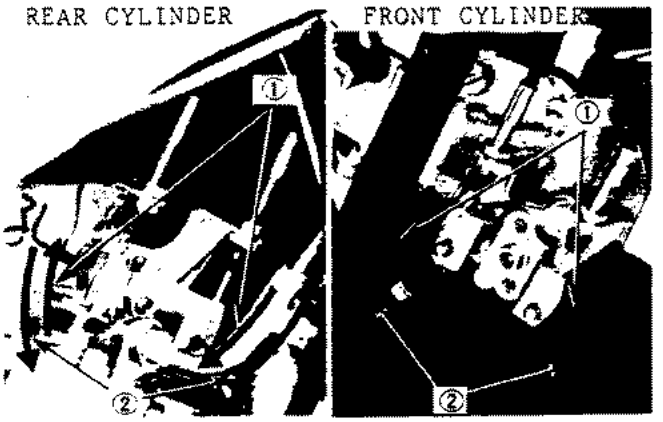
SERVO MOTOR

RC Valve Movement Inspection

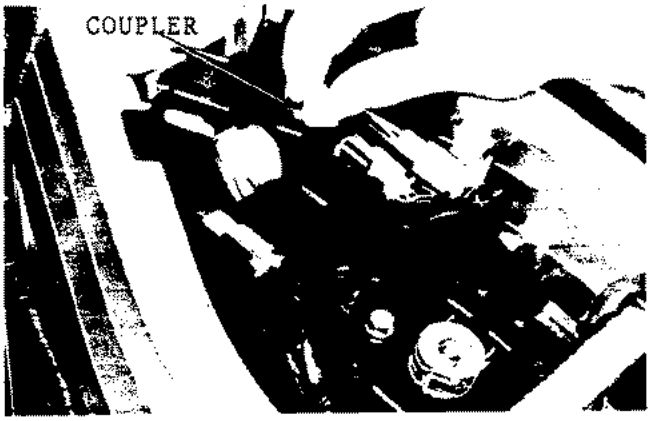
Remove R. Lower fairing (15.3)
Start engine, slowly raise revolutions to around 2000rpm whereby the cylinder pulley should move clockwise to a stop and at 3000rpm it should move anit-clockwise to a stop

Check:
(1) roughly 2000rpm pulley movement
(2) roughly 3000rpm pulley movement

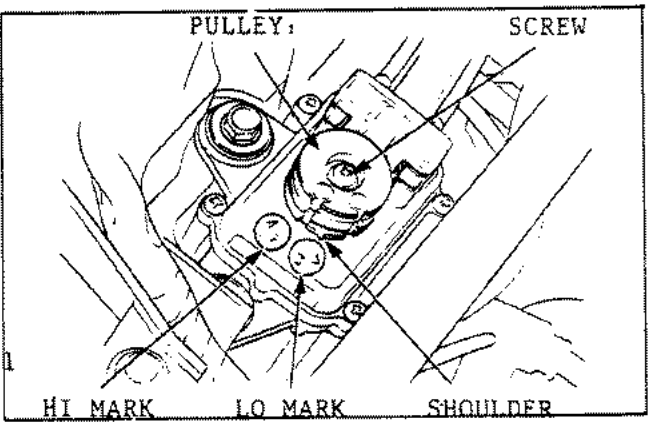


SERVO MOTOR INSPECTION

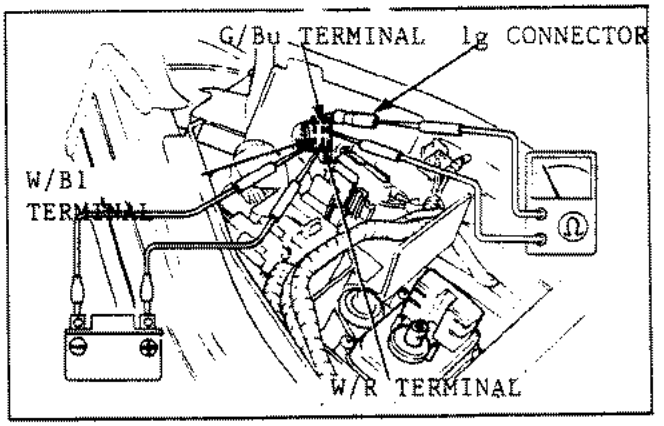
Remove fuel tank (4.2)
inspect servo motor control cable connection for damage.
Remove R lower fairing (15.3)
Remove servo motor coupler and connector
If any movement in connectors then correct



Remove control cable connector from cylinder pulley (19.3)
Connect fuel tube to fuel cock and start engine
Raise engine revs slowly and inspect that at roughly 2000rpm the oulley shoulder reaches the HI mark and at roughly 3000rpm it reaches the LO mark
If it moves incorrectly inspect cable and bulb for carbon sticking



Remove screw and remove servo motor pulley
When the battery is connected to the servo motor coupler W/Bl terminal and W/R terminal inspect if the motor moves the opposite way
Also measure the resistance of the servo motor coupler G/Bu terminal and servo motor connector (Lg) when the motor is turning and inspect that the tester needle moves 0-5 K ohm -00



* Do not short battery

Turn motor over and if the tester needle waves between 0-5 K ohm - 00 then the servo motor is okay
If the motor does not turn over and the tester needle does not move the replace servo motor