

MARC PREFLIGHT CHECKLIST

Pilot Name _____

Aircraft Description _____ Power: Nitro ___ Electric ___ Glider ___

General: Radio Brand _____ Freq: 2.4GHz _____ 72MHz _____ Channel _____

1. Transmitter is in Impound (if required) _____
2. Aircraft power is OFF _____
3. Check flight battery: 4c/5volts, 5c/6volts. Elec. Based on motor requirements. _____

ENGINE AREA:

1. Engine / Motor are secure in mount. _____
2. Muffler, accessories, prop are secure and installed correctly. _____
3. Check prop for damage. _____
4. Was prop balanced prior to installing? _____
5. Check nose wheel installation for security. (if required) _____
6. For nitro power check firewall and nose area for fuel proofing. _____
7. For nitro power check fuel tank installation, tank security, secure fill and feed line's: _____
8. If cowl is used check for secure installation. _____

ELECTRONIC INSTALLATION:

1. Are servos mounted correctly, rubber mount, grommet flange against mounting surface. _____
2. Check that wires are routed to preclude hang up on servo arm motion. _____
3. Are all mounting screws tight? Is control arm screw tight? _____
4. Check that control rods are secure with supports to prevent flexing. _____
5. Attachment of control rods to servo is secure and non binding. _____
6. Receiver is secured and isolated from vibration. _____
7. Check that antenna are installed correctly for the selected receiver. _____
8. Check that battery is secured and is isolated from vibration. _____
9. For electric need to verify that battery is not damaged/puffed, that hold down is adequate to prevent movement in flight, and correct connection to motor/ESC. _____
10. Check that all clevises have "safety" tubing to prevent opening in flight. _____

TAIL AREA :

1. Check fin and stabilizer for solid mounting. _____
2. Pull test fin to rudder hinges and stabilizer to elevator hinges. _____
3. Check rudder and elevator control horn and clevises for secure mounting. _____
4. If required check tail wheel for secure mounting and non-binding steering. _____

WING:

1. Check for damage, warps, center section reinforcement and/or wing joiner for two piece wing. _____
2. Pull test aileron hinges, check control linkage , control horn security and clevises. _____
3. Check wing mounting for secure attachment hold down; dowels or bolt hold down. _____
4. Before installing WING, insure required AMA identification data is applied. (Gen rule 6) _____
5. Install Wing: prefer nylon bolts or minimum of 10 new rubber bands. _____
6. Visually check overall alignment of wing, fin, and stabilizer. _____

BALANCE:

1. Check CG; fuel tank empty, use main SPAR if location is unknown. Correct as required. _____
2. Insure battery is installed when checking CG for electrics. _____
3. Note: For low wing aircraft , turn model over to check CG. _____
4. If possible check lateral balance. _____

POWER ON CHECKS:

CHECK FREQUENCY BOARD TO ENSURE YOUR CHANNEL IS AVAILABLE (72 MHz) PRIOR TO POWER ON CHECKS. PLACE MEMBERSHIP CARD IN CORRECT SLOT. FOR 2.4 GHz PLACE CARD IN ANY OPEN SLOT ON 2.4 GHz BOARD.

1. If the aircraft is electric powered , tie down and insure that throttle stick is in idle position. _____
2. Turn on transmitter: check battery is 10 volts min. (Maybe lower voltage on some 2.4) _____

3. Check that control surfaces move in correct direction and throttle idle to full is correct. _____
4. Check that control throw is sufficient for flight. _____
5. Check that the control surface is trimmed to the primary flight surface. _____
6. NOTE: For electrics motor should be turning during range check. _____
7. Perform radio "range" check: for 72 MH, one section of antenna out @90 to 100 ft. _____
8. Range check for Spektrum: enter range mode (press and hold bind button) @ 90 ft. _____
9. TIE DOWN AIRCRAFT PRIOR TO ANY ENGINE OPERATION/ADJUSTMENT. _____
10. Start engine, perform power test/idle test, LOW trim shut off. _____
11. For electrics check whether ESC is set to "hard brake" or "free- wheeling". _____
12. If required, set up "buddy box" to insure compatibility with primary transmitter. _____
13. If required and if available perform 90db test. _____

INFORM FLIGHT SCHEDULER AND FLIGHT INSTRUCTOR OF ANY DISCREPANCIES NOTED:

INSPECTORS NAME _____ DATE _____