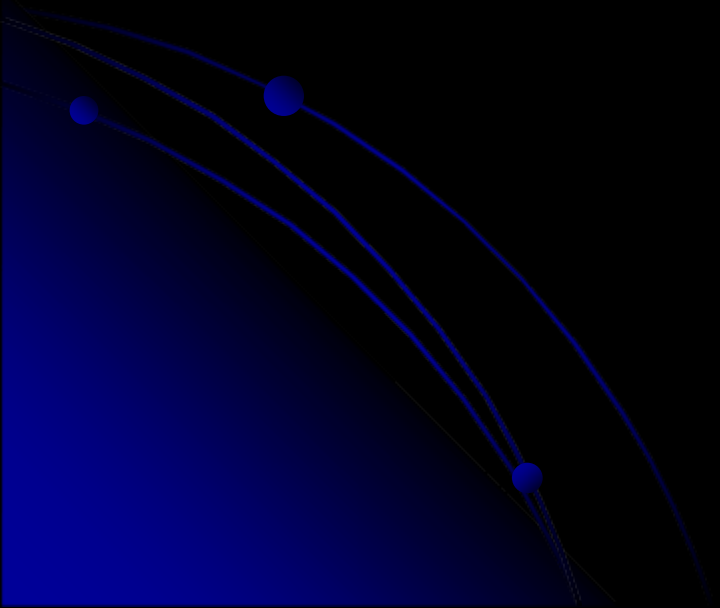


# Model Airplane Flight School

## Topic 5 – Building Your First Model

# Building Your First Model

- Selecting Your First Model
- Tooling Up for Construction
- Assembling an ARF





**Your first model should be a trainer ...**





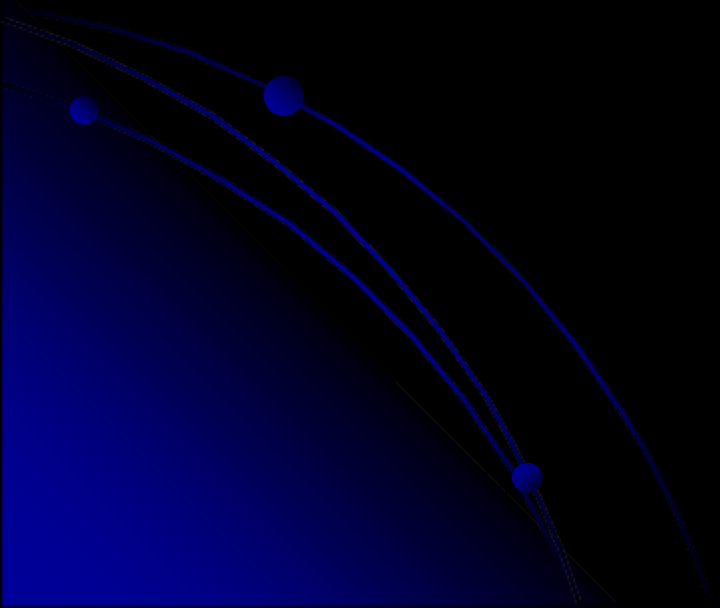
**... whether it be fuel or electric.**



**Your first model should probably be an ARF.**

# Building Your First Model

- Selecting Your First Model
- Tooling Up for Construction
- Assembling an ARF







**You will need some basic tools.**



Collecting tools is a hobby in itself.





You can never have too many tools.



- Especially power tools.



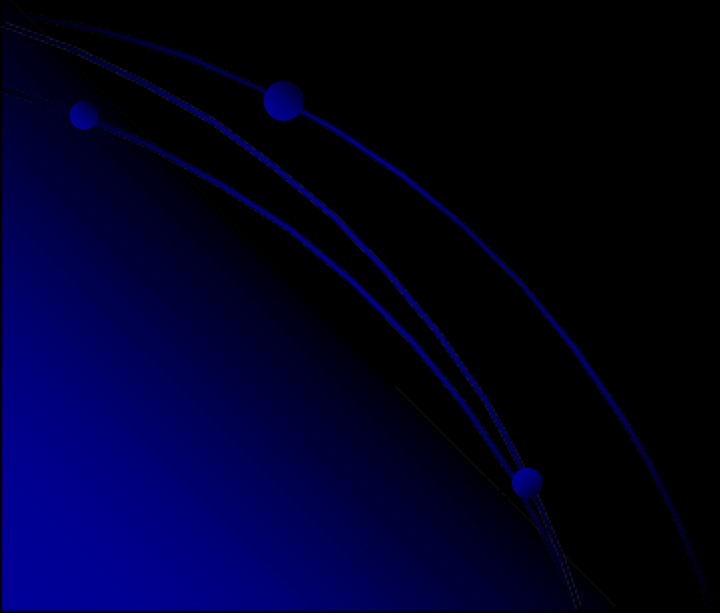


And you can never have too many models.



# Building Your First Model

- Selecting Your First Model
- Tooling Up for Construction
- **Assembling an ARF**



- ▶ All hardware with descriptions included
- ▶ One of two Aileron A/P Kits for the model
- ▶ All wood construction with Bluegum parts

### Safety Precautions

- This radio control model is NOT A TOY.
- It is specially designed for the hobby enthusiast.
- Special care should be taken to operate a completed model airplane. Around people, & property.
- Inexperienced pilots should seek professional.
- Experienced model pilots for their training.
- It is not suitable for under the age of 14.

#### 10 Linkage Rudder

Part 2 x 10mm Screw



L/R

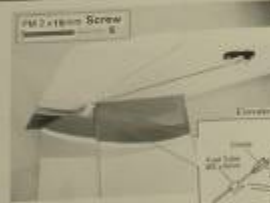
#### 11 Stabilizer elevator



L/R

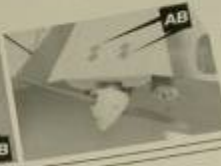
#### 12 Linkage elevator

Part 4 x 25mm Screw



L/R

#### 13 Engine Mount

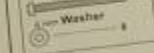


#### 14 Fuel Tank



#### 15 Engine

Part 4 x 25mm Screw



Throttle Pushers

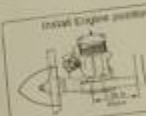


Illustration is upright  
installing of engine  
side or inverted  
installing is possible  
by rotating the engine  
mount. Throttle angle  
will not be affected.

P.6

P.5

Start by reading the instructions.



Use the right glue.





Most ARF hinges are CA hinges.

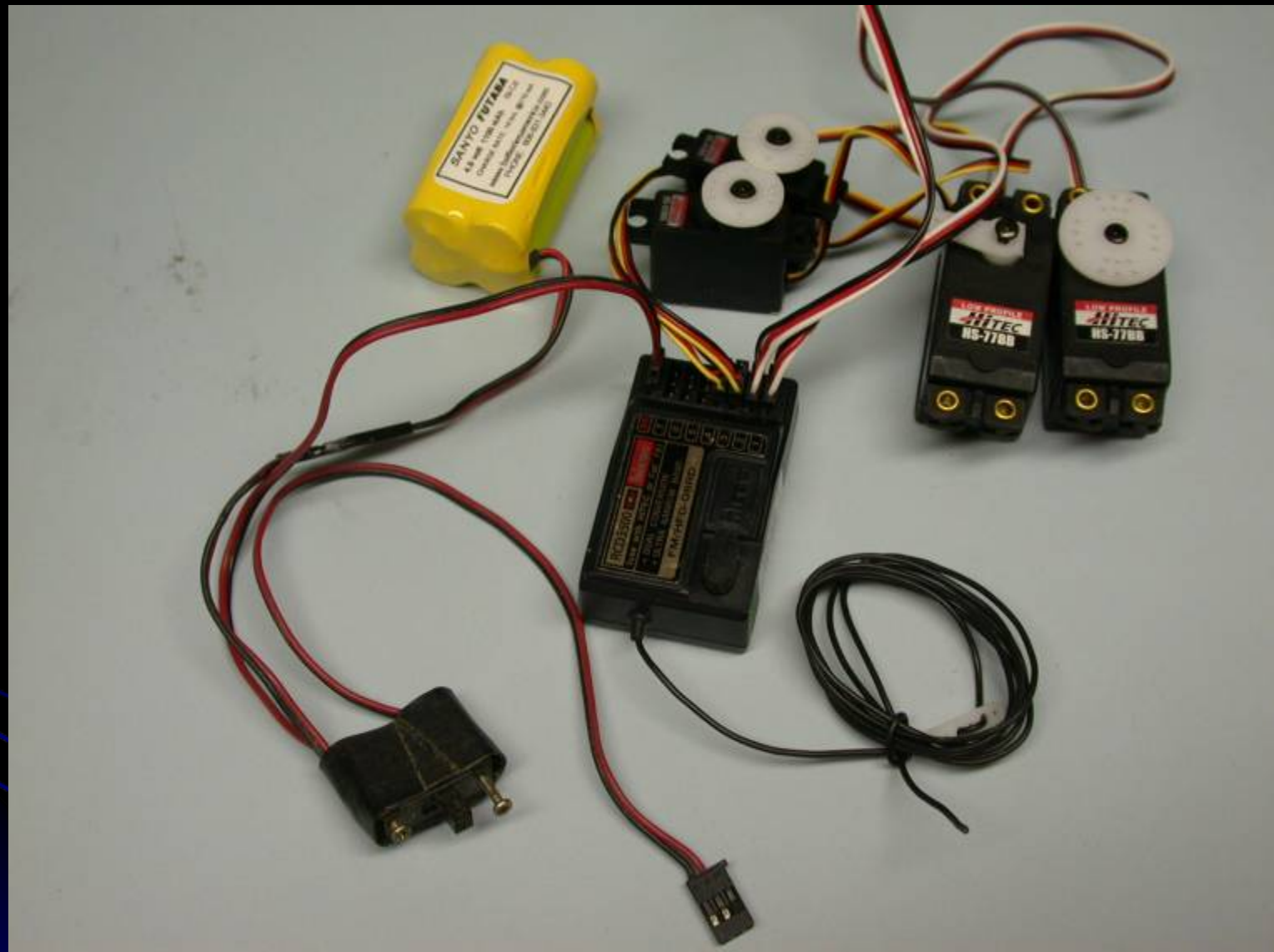


**Control horns give you something to connect the pushrods to.**



Pushrods connect servos to control surfaces.





In a fuel-powered model, wiring is simple.



**In an electric model, wiring is only a bit more complicated.**

# Finally:

- Makes sure all the controls move in the proper direction.
- Get the throws right.
- Don't forget to balance the airplane.

