Grand Strand Scale Modelers

Myrtle Beach, SC

Newsletter for modelers

Grand Strand Scale Modelers was chartered August 14th, 2018 as a chapter of IPMS/USA in the Region 12 Central Atlantic Division. Located in Myrtle Beach, we organized with six exceptionally talented individuals. Our goal is to improve our modeling skills as well as furthering the hobby. Along with these goals we are a social organization where anyone with an interest in hobby modeling can enjoy camaraderie.

Our Mission Statement

To encourage interest in scale modeling by providing an outlet for the exchange of ideas and cultivation of the modeling hobby.

President/Contact, Phil Cavender
Vice President, Joe Baxter
Secretary/Treasury, Herb Horvath
Newsletter editor, Rick Reinert
reinertfamily@verizon.net

Next scheduled meeting December 12th, 2020 at 11:00AM

Location - Phil's Garage

Visit Us on Facebook

https://www.facebook.com/Grand-Strand-Scale-Modelers-1894292160874357/?modal=admin_todo_tour

Website
https://grandstrandscalemo.wixsite.com/gssm

Minutes from November 14, 2020

- Meeting began at 11:00am with 14 members in attendance. One long lost member, Sean, was able to attend. Welcome back Sean.
- Upgrading the club's website through Wix was discussed. It was decided that we would upgrade when storage was low. We would use a 50% discount promo from Wix giving the club 50% off for the first year.
- Clothing from Vistaprint was distributed. Money collected.
- To make it easier for model descriptions, Rick, instituted a form to use to describe the models used in the Show & Tell portion of the meeting. These would be distributed each month.

- Next meeting would be held December 12th. Same location. We also will have a “White Elephant Gift Exchange” and snacks served.
- Treasurer’s report was given by Herb Horvath, Treasurer. Balance in the account is $1298.42 not including monies collected this meeting.
- Show & Tell was begun with many different models shown and discussed across the whole genre of modeling. Pictures were taken and will be placed in next newsletter.
- Next on the agenda was the judging of the 200mm Ogre club contest. Mike Fleckenstein judged the entrants. Award was purchased from Coastal Engravers of Myrtle Beach. And the winner went to Phil Sicard for his amazingly painted figure. Kudos Phil. The chief judge made the presentation. See newsletter for the picture.

It was also voted on to have another club build. Model genre voted on would be “Ships”. Each member would purchase his own to build. Ship to be voted on at December meeting.

Pictures taken during the meeting were posted on the Facebook page.

Monies collected from dues, raffle and Vistaprint order was $282.00 bringing bank account to $1580.42

Meeting was adjourned at 2:15pm.

-

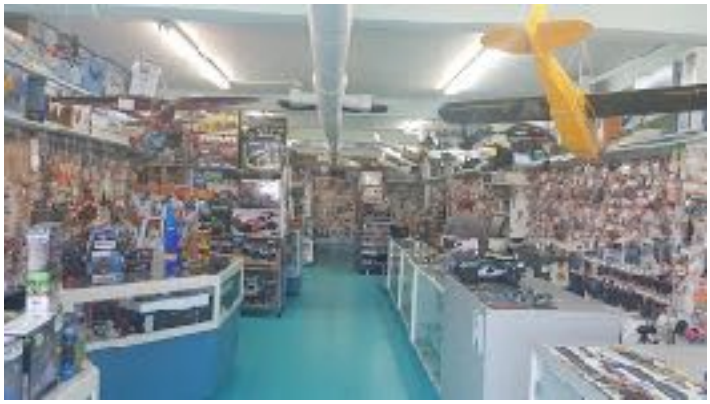
Phil Cavender,
Chapter President

Next Group Build Contest

It was decided to have another group build contest and the genre decided upon was Ships. Type an class will be determined at the December meeting. The bust the group will be working on is a 200mm Ogre Bust. As last time with our group build, there will be a 90-day time frame with judging by a volunteer not associated with the group.

Support our Vendors and Sponsors

Ed's Hobby Shop



Ed's Hobby Shop
704 Main St, Myrtle Beach, SC 29577
(843) 448-8685

Sunday Closed
Monday – Friday 10AM–6:30PM
Saturday 10AM-4PM

http://edshobby.com/

Hours

Mon. - Fri.: 10 a.m. - 7 p.m.
Saturday: 10 a.m. - 6 p.m.
Sunday Closed

http://www.hayeshobby.com/

Joe's Kits Greeblies ETC.

A business by a modeler, making products for other modelers.
Each of the 3 areas, (Kits, Greeblies, ETC) is for a specific type of product. Products will not be announced until they have been tested by a select group of experienced modelers.

Kits -The initial kits will be a series based on a "what if" (alternate history) of a specific aircraft.

Greeblies - This product area will be for conversion sets and parts that increase/improve the detail level of other manufacturers kits.

ETC - This area will be for tools of various types

https://www.joeskgetc.com/index.htm

Tiger Werke – *"Resin Accessories for the scale modeling enthusiast*".

AFV Bases, Figure Bases, Monuments, Stowage, European Street Sections, Fountains, Advertising Kiosks, Sunken Roads, Shrines, Jersey Barriers, German and Allied Cargo Sets, Brick and Stone Sidewalk Sections, Aircraft Bases and Auto Bases.

https://www.tigerwerkeresin.com/

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2205-3 HWY 17 South
North Myrtle Beach, Sc
843-272-1555
M-F 9AM-5PM
S 9AM-2PM

526 Broadway
Myrtle Beach, SC
843-448-6385

M-F 8:30AM-4:30PM

DIY Static Grass Applicator Made From an Electronic Fly Swatter

By Andrew Raisis

DISCLAIMER

I did not come up with the idea of making my own grass applicator; I actually came across several articles on the subject while researching ways to improve the look of a diorama I was making. There are many different methods of making this tool with varying final looks and results. While the basic concept is the same, with my designs, I have selected some of the better features from existing applicators and created what I feel is a safer and more efficient device.

A few things drove my desire to build my own grass applicator. Necessity was my initial reason; I wanted to improve the look of my dioramas. A grass applicator would help make my scenes more realistic. However it was predominantly the cost that drove me to make my own device as the price of a manufactured applicator runs upward of $100. If you're like me you would probably want to save that cash and use it for your next kit purchase. Finally, I took building this tool as a challenge.

TECHNICAL DATA ON AN ELECTRIC FLYSWATTER

I have included this section for those interested in the technical workings of the device.

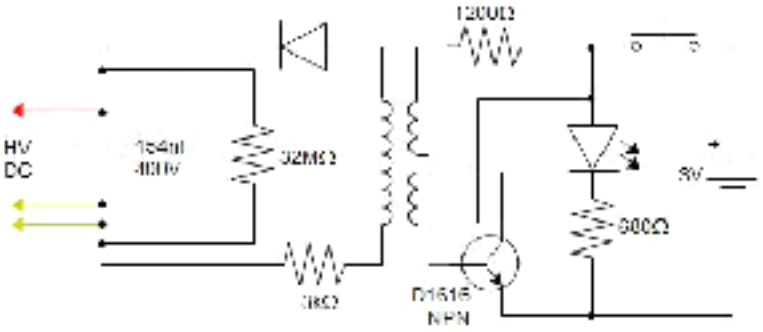
*"**Electric flyswatter** is a battery-powered, handheld bug zapper that resembles a tennis racquet. The handle contains a battery-powered high-voltage generator. The circuit is composed of an electronic oscillator, a step-up transformer and a voltage multiplier, similar to the circuit in... a stun gun but with much lower power.*

The grid of the flyswatter is electrically charged to a voltage of between 500 and 1,500 volts, activated by pressing and holding a button. When the electrically conductive body of a fly nearly bridges the gap between electrodes, a spark jumps through the fly. A capacitor attached to the electrodes discharges during the spark, and this initial discharge usually stuns or kills the fly. If the button is still pressed, the continuous current will roast and kill the fly. Many flyswatters have a three-layer grid to prevent people from touching both electrodes. The outermost grids or rods are at the same electrical potential, and are open enough to allow an insect to contact the inner charged grid.

Most electric flyswatters conform to electrical safety standards for humans:

- *A limit on the charge stored in the capacitor: A discharge of less than 45 microcoulombs (μC) is considered safe, even in the unlikely scenario that the current from a flyswatter would be flowing from one arm to the other arm, partly through the heart. This means that the capacitor of a 1000 V flyswatter should be less than 45 nanofarods (nF). Due to this precaution for humans, the initial shock is usually inadequate to kill flies, but will stun them for long enough that they can be disposed of.*
- *A limit on the current after the initial discharge: The maximal continuous current of most flyswatters is less than 5 milliamperes (mA). This current is safe, even when flowing from one arm to the other arm of a human."*

Source: Wikipedia.org



Electric Fly Swatter Schematic

Source: Rimstar.org

SH0PPING LIST

- Battery operated electronic fly swatter $3.99 at Harbor Freight
- A metal screen colander $3.00 at Dollar Tree
- Wire
- Heat shrink tubing
- An alligator clip
- Sistema brand round food container. A pricey container (can cost upwards of $12), but it's the only one I've found thus far that has the right qualities, (I will explain my reasons later). For now my source can get them at a third of the price, bringing my manufacturing cost down without compromising quality.

TOOLS NEEDED

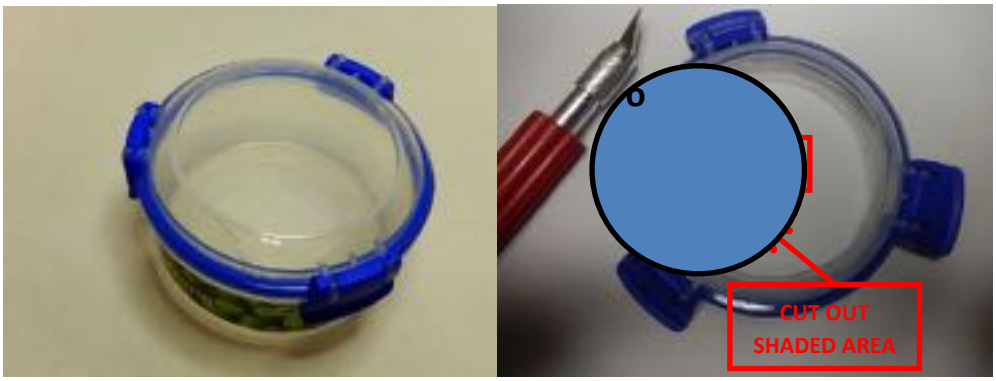
- Phillips screwdriver
- Dremel with drill bit and a carving bit
- A small saw or a rotary cutting bit
- Sand paper
- Hot glue gun (or two-part epoxy)
- Soldering iron
- Wire cutter/ stripper
- Helping hands
- Scissors
- Hobby knife
- Sharpie marker

BUILD PROCEDURE

Begin by converting the food container into a hopper for grass. I have seen hoppers made out of everything from raw-metal tea strainers to flimsy pint-size sour cream containers. These designs are cheaper and require less work, yet each have their weak points. I wanted a device that was safer and would be durable and easy to use. For these reasons, and more, I prefer to use Sistema brand containers. They are of solid design, have secure snap- on lids which are easy to remove and to refill grass, unlike screw–on lids that can be messy and cause breakage of the negative lead when twisted on and off. Sistema containers have a well-defined inner ring on the lid for placing and gluing the mesh screen securely in place, making assembly easier. With this brand, once assembled, the screen is slightly recessed into the lid thus reducing the risk of

the mesh coming in contact with something or someone, which could be an electrifying experience. This is in no way a product endorsement; it's just my personal preference.

Moving on to the hopper; remove the lid and, using a Dremel, drill a pilot hole on the inner portion of the lid. Switch to the carving bit and cut out the center, following along the inside of the lid's raised edge. Sand off the edges and the inner edge of the lid, so the glue will better adhere.



Next part is the screen mesh. Take the kitchen strainer and, with a pair of decent scissors (by decent, I mean new Dollar Store-quality office scissors), cut the mesh from the strainer frame. Discard the strainer frame. Flatten out the screen and, taking the lid, flip it over and lay it on the screen. Trace around the hole in the lid, transferring the profile onto the screen. Taking your scissors, cut outside of the circle perimeter approximately ½ inch (to leave you room to glue it into the lid later).

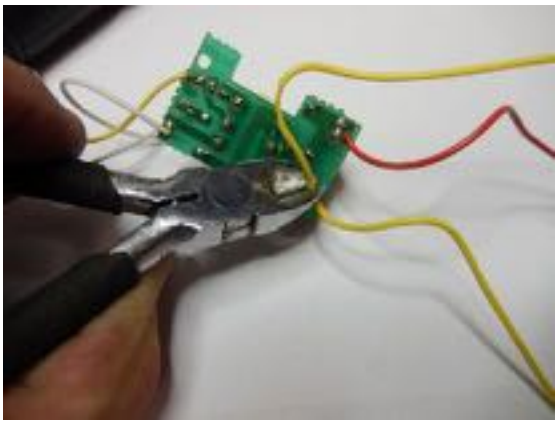
Set the screen on the inside of the lid and press the screen's edges down into the raised edges of the lid. Using hot glue or epoxy (your choice), glue the screen into the lid. The raised edge acts as a dam for the glue and keeps it from running out and all over the screen (yet another reason this container is my first choice).

Next step is disassembling the fly swatter. Remove the battery door and confirm there are no batteries in place (no need to get Taser-ed, at least not yet). Remove the screws holding the handle and separate the halves. Inside you will find the business end of the device. There are usually three wires running from the circuit board to the racquet head. Wire color depends on the manufacturer; invariably there are two negative wires of the same color soldered to the outer wire screens, and a single positive wire connected to the center screen.

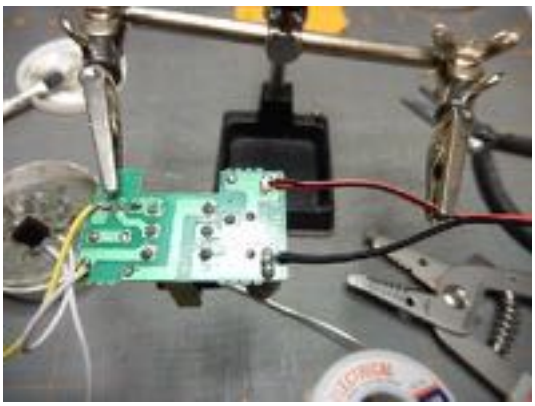
The next step is to take the racquet head apart. To do this, remove in one piece, the circuit board, switch and battery leads along with the racquet head, from the handle. This makes the breakdown easier and helps prevent damage to the wiring.

The Head is essentially two halves glued to together. You will need the portion nearest the handle, so carefully separate the two halves, and then cut the three wires connected to the screens. Discard the screens, cut the round portion of the head and discard the top portion, keeping the base. The base piece will add stability to the hopper once assembled.


Now comes the wiring. You only need one negative wire, so eliminate the extra wire.

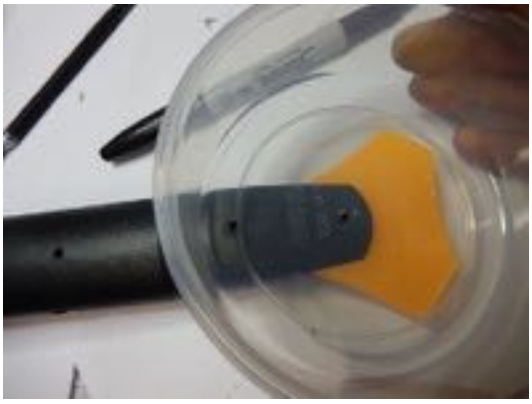


Using new wire, solder the positive and negative wires accordingly. Reassemble the inner workings in the handle, feed the wires through the racquet head remnant and reassemble the handle, leaving the two screws that secure the head out for now.

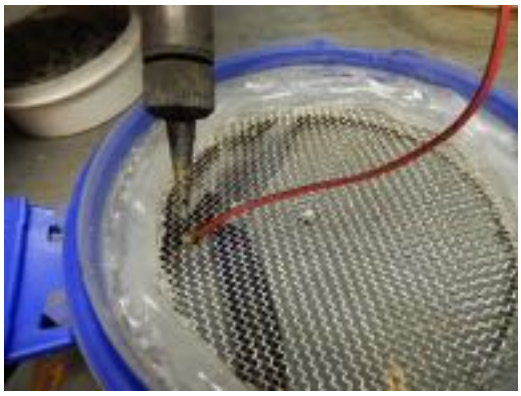


Take the negative wire and attach the alligator clip. This wire can now be wrapped around the handle to keep it out of the way.

Place the container cup on the handle end and mark the placement for the two attaching screws and the negative wire. Drill the holes, run the wire into the cup and secure the cup with the screws. Using hot glue, seal in the screws and wire.



Take the lid, thread the positive wire through the wire mesh (leaving ample wire to be able to remove the lid) and secure it with solder.



Install batteries, fill with grass, close the lid and start and start flocking. See, that wasn't so hard.

Of course, should you be inclined to have one made, just let me know. I keep a small inventory of materials handy and can build one for members at a reasonable cost.

Builder: Mike Fleckenstein
Kit: Dora 72nd scale Westland Lysander

The Interesting Background of Westland Lysander MA-B

V9367 / MA-B a Westland Lysander MkIII aircraft of 161 Squadron, flown by **Pilot Officer Peter Vaughan-Fowler** on **Operation Apollo** during the winter of 1942.

Photo 1: Peter Vaughan-Fowler, CVO , DSO , DFC & Bar , AFC (18 January 1923 – 24 April 1994) was an officer who served in the Royal Air Force. He is best known for his work as a "special duties" pilot, supporting the SOE and the SIS, carrying agents to and from occupied France.

Operation Apollo
Date: 25 November,1942
Drop Zone: 3,7 km NW Thalamy, 9 km SE Ussel, LZ Thalamy, 45° 32' 25" N – 02° 25' 35" E, Corrèze, France
Type Op.: RAF 161 Sqn Lysander (P/O Vaughan-Fowler). 3 passengers: Corsican Policemen Xavier Piani, Mathiu Rutali & Reverbel who helped escape of Marie-Madeleine Fourcade, aka "Hérisson"

Photo 2: Marie-Madeleine Fourcade was the leader of the French Resistance network "Alliance", under the code name "Hérisson" during the occupation of France in the Second World War.

Photo 3: Mathieu Rutali
Born in January 1918 in Rutali (Haute-Corse), Mathieu Rutali , aka "Vanlaar" in the Resistance. In January 1941 he was an inspector at the Surveillance of the Territory (General Directorate of National Security) of Marseille . The Gestapo had handed over to the ST station of Marseille apprehended Resistants of the Alliance network including its chief Marie-Madeleine Fourcade . Refusing to tyake part in acts of repression against patriots, Rutali and two of his colleagues, Policemen Xavier Piani, and Reverbel, organized the escape of the captives. On the evening of 25/36 November 1942. Mathieu Rutali and his colleagues were evacuated to London in a clandestine pickup from a small airfield near Thalamy by a Lysander flown by Pilot Oficer Peter Vaughan Fowler, only 19 and on his second mission. Normally, these aircraft only took one or two passengers. The three men were barely able to fit in the rear compartment-the last one head first. Later, in early 1943, Vaughan-Fowler flew Fourcade herself to England. Rutali then enlisted in the Free French Forces and won the rank of Commissioner in October 1943 and an assignment in the Special Services. Decorated with the Medal of the Resistance, he continued his career as a police commissioner after the war and died on July 27, 1962 under the bullets of a criminal he was tracking.

Photo 4:Pilots of No. 161 (Special Duties) Squadron .They are (left to right): Flying Officer J A McCairns, Squadron Leader Hugh Verity, Group Captain Percy Charles "Pick" Pickard (Squadron Commander), Flight Lieutenant Peter Vaughan-Fowler and Flying Officer Frank "Bunny" Rymills. In front of Pickard sits his sheepdog 'Ming', and to the right, Rymill's spaniel 'Henry'.

Photo 5: Pilots of No. 161 (Special Duties) Squadron -30 years later (Seated: Sir Robin Hooper, Sir Lewis Hodges, Per Hysing-Dahl and Peter Vaughn-Fowler; Standing: Hugh Verity and Sir Alan Boxer)

Lysander Mk.III (SD) Modifications
By far the majority of the Special Operations Executive (SOE) Pick-up Operations conducted during WW2 from Tangmere by No.161 Specials Duties Squadron were undertaken by Westland Lysander Aircraft. The Lysander had originally been designed for Army Cooperation work. It was described by Pilots as "a beautiful little plane to fly and very manoeuvrable and ideal for getting in and out of small Landing Grounds". For Special Duties work, Westland was awarded the contract to modify Lysander Mk IIIs into dedicated 'Special Duties' Aircraft. The RAF designated MkIII (SD)s or MkIIIA (SD)s were modified by a Westland Subcontractor, Fairfield Aviation which had Works at Odham's Press, Watford, Hertfordshire. About 40 SDs were produced, the Test Flying being carried out at nearby Elstree Aerodrome.
All Armament was removed and the normal Variable Pitch propeller was replaced by a constant speed 3-bladed version. A 150 gallon, permanently fixed, Fuel Tank was added under the Fuselage which increased the Aircraft's range from 600 miles to about 1000 miles with an endurance of 10 hours flying. The normal Gunner's compartment was modified considerably for the SD task. The Canopy was replaced with a one-piece unit that slid rearwards on rails to allow quick Entry & Exit. A ladder was permanently fitted to the Port side to allow ease of Access and the Floor was Lengthened & Strengthened. The bulky Radio was replaced with a much smaller one and a rearward facing bench for 2 Passengers was installed with a Locker underneath. A shelf was also built at the rear of the compartment which could also serve as a seat.

Dora

Wings 1/72 scale Westland Lysander SD

Construction problems:

- Assembled cowl and Exhaust **E19/20** will not fit assembled fuselage unless plastic is removed from recess on lower front of fuselage.
- See attached photo - cockpit parts **E33,E9, E41** should go in section directly behind fuel tank.
- **G1 & G2** do not fit flush into **G5** with - must be reduced in depth *(long range tank supports)*
- Wheel spat covers **D 3/4/8/9** will not fit flush into spats with D24 (strut) installed. Better to fit **D3/43/8/9** to spats then glue plastic block to tire top and glue that into completed spat.

1. **C9&C10** clear parts when fitted are too far apart to mate with **C8**. Must vacuform replacement for **C8** *(allows for sliding top section as a bonus)*
2. **C5** will not fit in open position over rear deck. (Alternate parts **D12/13** not usable because no rib detail). Instead vacuform new rear canopy.

- Be sure to bend lower ladder supports inward *(crease on outside)* otherwise ladder will not line *up*
- Landing Lights C1&C2 difficult to fit flush in recesses

Modifications I made to improve model:

- **E23/E24** assembled leave do not resemble the proper dual tire wheel . Lightly sand outer edges to a more flattened edge.
- Front of **E43 & E44** should be drilled out
- Remove key from **A2** for easier adjustment of assembled cowl/engine to fuselage

3. Relocated parts **E33,E9 & E41** to section behind fuel tank to match photo references
4. Do not add external radio aerial wires as the SD Lysanders carried only minimum wireless sets. And mounted a single blade antenna under the rear fuselage.

High points: Positionable control surfaces, wonderful cockpit and engine detail
Low Points: Difficult wing fit, Instruction errors

Instruction Sheet Errors & Fit Problems:

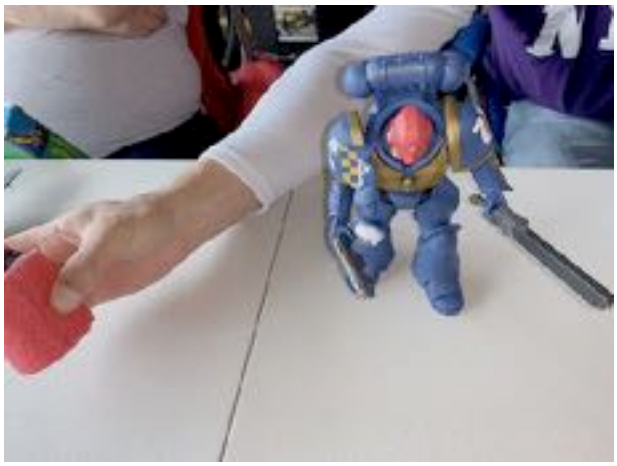
Mislabeled parts & Unclear instructions:

- No indication that there is a recess under **D15** to attach **E36/37** *(intake to cowl)*
- Placement of cowl support parts **PE11** ansd **E3/4/5** unclear
- No indication where **PE seat belts** or **tank braces** should be attached
- **A2** not labeled
- **D10** should be **D11** and **D11** should be **D10**
- **B9** should be **B10** and **B10** should be **B9**
- **B2** should be **B3** and **B3** should be **B2**
- **B2** should be **B3** and **B3** should be **B2**
- **G19** should be **E19** and **G20** should be **E20**
- Landing lights **C2/C2** not labeled
- **E-15** not called out - looks like it should go somewhere on top of **E-28/E-30**

Other notes:

Hydraulic deployment of flaps & leading edge slats was automatic , greatly reducing the pilots workload. A slight droop in the flaps (but not the slats) was common with the engine switched off .

Builder: Phil Secard
Kit: 28mm Warhammer Space Marines **Construction Time:** 15 hours
Finish: Vallejo and Tamiya Acrylics. **Aftermarket:** None.



The Internet tells us...

The Space Marines or Adeptus Astartes are foremost amongst the defenders of Humanity, the greatest of the Emperor of Mankind's warriors. They are barely Human at all, but superhuman; having been made superior in all respects to a normal man by a harsh regime of genetic modification, psycho-conditioning and rigorous training.

THE BUILD:

PAINT AND FINISHING: Vallejo and Tamiya Acrylics.

Builder: Phil Secard
Kit: Bandai 144th scale GOUF and 35th scale Panzer and Riders Diorama
Construction Time: 15 hours
Finish: Vallejo and Tamiya Acrylics. **Aftermarket:** None.

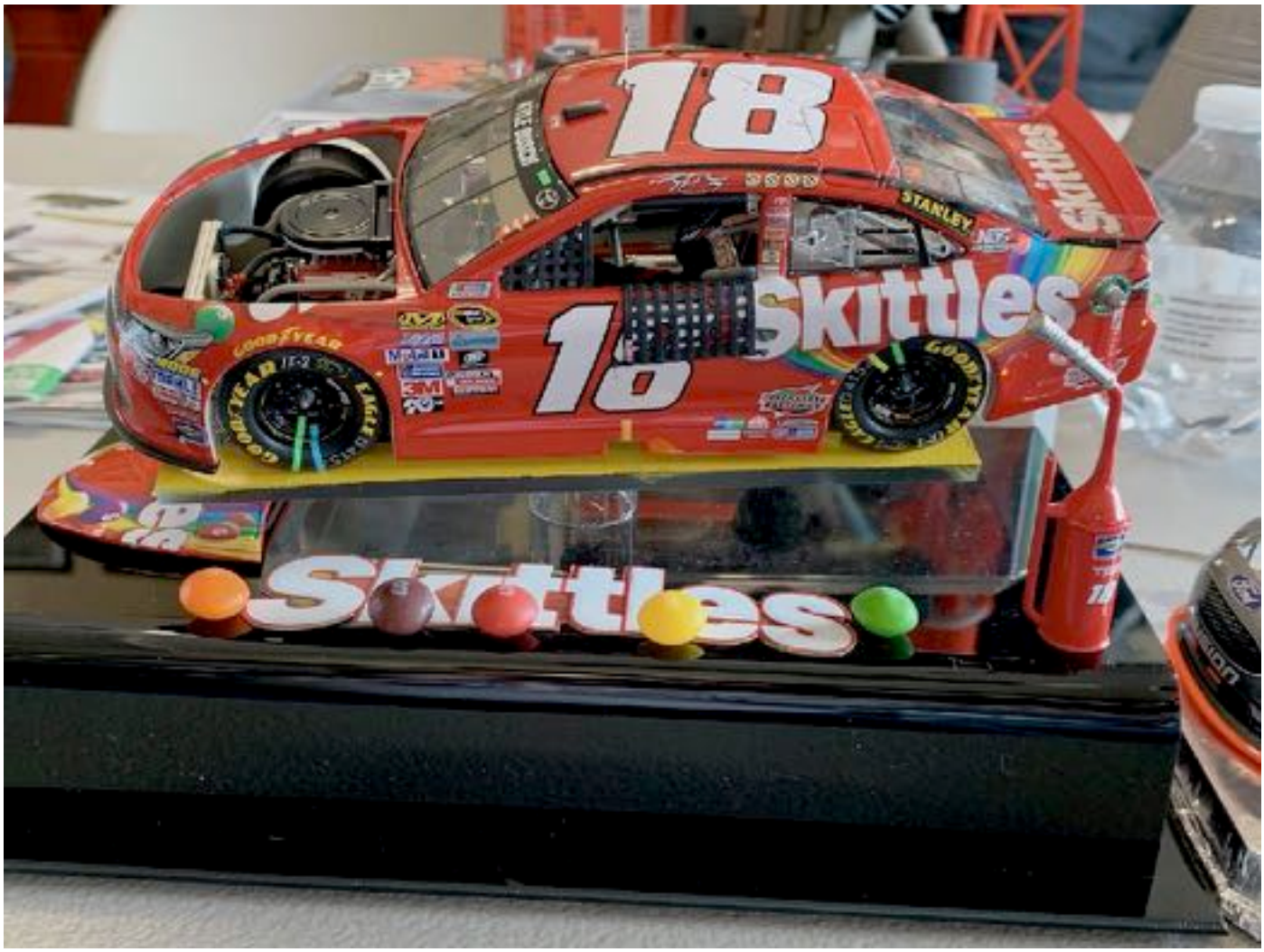
The Internet tells us...

Bandai Hobby MS07B-3 GOUF Custom, Bandai Master Grade Action Figure. Articulated model kit.

THE BUILD: Using a Styrofoam base, a grass applicator, and replacement heads for the figures. Aluminum foil cover for the Panzer gun mantle. Added stretched spur antenna. Weathered with makeup powders. Details from M.A.K bits. Chipping with a sponge

PAINT AND FINISHING: Vallejo and Tamiya Acrylics.

Builder: John Davis
Kit: Skittle Toyota Camry - Chase Elliott kit for Chasis and Camary Resin Body
Construction Time: 6.5 Months **Aftermarket:** 24th Scale Mikes Decals



THE BUILD: Stated by cleaning the resin body and primed with automotive primer. Mikes resin body sanding and filler a lot of time spent prepping the body. Panted using Model Master Guards Red and clear coated with Boyds High Gloss. Scratch built window net, seat belt harness. BNA model work radio antenna. Scratch built full filler. Powerslide wheel decals. Carbon Fiber dash decals. Custom display from NASCAR.com and ended with real skittles candy. Scrat

PAINT AND TOOLS USED: Tamiya Acrylic, Model Master, Mikes resin bodys. Power slide decals

Builder: John Davis
Kit: 24th scale Danaca Patrick Ford Fusion Kit. Coors Light Ford

Construction Time: 2 Months and not done yet. **Aftermarket:** 24th Scale Mikes Decals

THE BUILD: Custom seat belt, heat shield, crush panels, full line, and a custom resin seat used.Tamiya Gun Metal and Model Master clear coat. Custom Fuel Filler neck, plug wires, and networks decals.

Builder: Dane Taylor
Kit: 12th scale Atomic City Mercury Capsule
Construction Time: Currently in work, not done yet.

THE BUILD: Great kit, instructions suck!

PAINT AND TOOLS USED: Tamiya Acrylic, Mr. Color, and Alclad paints

Builder: Dane Taylor
Kit: 12th scale Hasegawa Powered Suit from the novel Starship Troopers

Construction Time: Currently in work, not done yet.

THE BUILD: Built out of the box and builds like a Gundam kit

PAINT AND TOOLS USED: Finishers Putty, Tamiya Acrylic, Mr. Hobby

Builder: Phil Cavender
Kit: 24th scale ICM 2013 Model T Speedster. Phil is building this as part of a review for the IPMS website.

Construction Time: Currently in work, not done yet.

THE BUILD: Built out of the box.

PAINT AND TOOLS USED: Using Ammo Mig and Vallejo paints.

Builder: Herb Horvath
Kit: 35th scale AL-BY Kit. A French Model Maker.

Construction Time: 30 Hours

THE BUILD: Turret rivets changed. Rear poles and brackets, Lifting hooks, periscope, pistol port, flutter end of MG scratch built. Gun shortened hatch brackets added. Side bins scratch built, rear storage brackets added, Lug nuts for wheels added. Dragon railroad tracks.

PAINT AND TOOLS USED: Tamiya Panzer Yellow, Red Brown, and Black.

Builder: Andrew Raisis
Kit: 400th scale Titanic A French Model Maker.

Construction Time: In Work

THE BUILD: Being built as time allows. Scratch building and photo etch. With a wooden deck. A great kit so far with good fit

PAINT AND TOOLS USED: Model Master and Vallejo Acrylics

Builder: Rick Davis
Kit: 35th scale Tamiya M4A3

Construction Time: 15 Hours

THE BUILD: Typical Tamiya quality

PAINT AND TOOLS USED: Model Masters

Builder: Earl Wenklin
Kit: 48th scale Tamiya Skyray F4D

Construction Time: 30 Hours

THE BUILD: Typical Tamiya Quality build

PAINT AND TOOLS USED: ModelMaster Light Great and Insignia White

Builder: Earl Wenklin/Phil Cavender
Kit: 72nd scale B-25 that is showcasing one of Phil Cavender's Tiger Werks runways

Builder: Joe Garforth
Kit: 48th scale Airfox Mark I Spitfire

Construction Time: A few weeks.

PAINT AND TOOLS USED: Master Model Paints

Builder: Jim Fraboni
Kit: Mercury 75mm figures

Construction Time: 3 weeks

THE BUILD: Titled “Trapped”. Roman Legionnaires of the 20th Legion. Teutonbeng forrest Germanian. Base was scratch built using styrofoam, DAP compound, and custom diatomic substrate.

PAINT AND TOOLS USED: ModelMaster and Vallejo paints, Doc O’Briens weathering powders. Base

Builder: Rick Reinert
Kit: 48th scale Hasegawa P400 Airocobra

Construction Time: 40 Hours

THE BUILD: Quickboost seat and exhaust stacks along with Eduard photo etch for the instrument panel. AN enjoyable build

PAINT AND TOOLS USED: ModelMaster and Tamiya along with Mig Washes.

Builder: Rick Reinert
Kit: 32nd scale Wing Nut Wings DFW C.V

Construction Time: 6 weeks

THE BUILD: Built out of the box but added HGW seatbelts and E-Z-line rigging. A joy to build.

PAINT AND TOOLS USED: ModelMaster and Tamiya along with Tamiya Washes.

Send your articles to mailto:grandstrandscalemodelers@sccoast.net

If you aren't a member of IPMS/USA, now is the time to join. Complete and mail the following application or to join via online follow the link below.

http://www.shopipmsusa.org/category-s/100.htm

Happy modeling,

Rick Reinert

IPMS/USA MEMBERSHIP FORM

IPMS No.: _____ (If Renewing) Name: _____ (First Middle Last)

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

Signature (required by P.O.) _____

Type of Membership ☐ Adult, 1 Year: $30 ☐ Adult, 2 Years: $58 ☐ Adult, 3 Years: $86

☐ Junior (Under 18 Years) $17 ☐ Family, 1 Year: $35 (Adult + $5, One Set Journals) How Many Cards? _____

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