

# Revisions

#		Date	Author	Comment
02908184	<input checked="" type="radio"/>	06/27/2011 12:04 am	Dan Shope	Added large renders for poster prints
3e592562	<input checked="" type="radio"/>	06/26/2011 10:14 pm	Dan Shope	New renders for website mechanical graphics
040c2f9b	<input type="radio"/>	06/26/2011 09:08 pm	Dan Shope	Added website images. Added patterns for vinyl cutouts.
b4c392f9	<input type="radio"/>	06/24/2011 06:21 pm	Dan Shope	Updated website graphics with v5 ID
10d07f7a	<input type="radio"/>	06/24/2011 06:03 pm	Dan Shope	New renders for website
0869a185	<input type="radio"/>	06/24/2011 05:38 pm	Dan Shope	Updating graphics for website with v5 ID
214c9623	<input type="radio"/>	06/24/2011 04:44 am	Dan Shope	Hood up renders
18d775c7	<input type="radio"/>	06/24/2011 04:15 am	Dan Shope	Added ribs to front chassis. Created 3 sided ID side for sonar post to label each robot
d1071d32	<input type="radio"/>	06/24/2011 03:01 am	Dan Shope	Added colored brushed metal renders
0e224293	<input type="radio"/>	06/24/2011 02:39 am	Dan Shope	Updated renders with brushed metal side
beb990c6	<input type="radio"/>	06/24/2011 02:15 am	Dan Shope	Removed side detail ribs to be replaced with brushed metal cutout
ad6edf26	<input type="radio"/>	06/24/2011 02:00 am	Dan Shope	Added renders of new ID
467087cc	<input type="radio"/>	06/24/2011 01:15 am	Dan Shope	Added side detail to front sides
a9eff932	<input type="radio"/>	06/24/2011 12:37 am	Dan Shope	Updated front end assy - user button, clearances on hood, locking feature on sidewalls. Improved assembly order for headlights.
40a2c21a	<input type="radio"/>	06/23/2011 11:03 pm	Dan Shope	Added www files to repository. Updated website graphics and content.
9c171784	<input type="radio"/>	06/22/2011 01:31 pm	unknown	Added diagram for sonar movement, safe, homing, and unsafe regions of space
ce55128d	<input type="radio"/>	06/22/2011 12:17 pm	Dan Shope	Added renders of v5 unibody design
a7f05966	<input type="radio"/>	06/22/2011 11:38 am	Dan Shope	Updated bumper to match new ID, removed out of date files from the top assy
5275b9d4	<input type="radio"/>	06/22/2011 11:22 am	Dan Shope	Updated sidewall structural ribs, added ledge for hood to rest on. Added hole with extra clearance space to headlight for RGB LED.
ee3a22da	<input type="radio"/>	06/22/2011 10:42 am	Dan Shope	Added structural ribs to hood, added pivot to hood
8048097b	<input type="radio"/>	06/22/2011 03:59 am	Dan Shope	Created headlight part, added symmetry detail to hood.
a7174369	<input type="radio"/>	06/22/2011 02:34 am	Dan Shope	Updating from master CAD dev machine. Added renders of v5 (unibody) design.
af145bf7	<input type="radio"/>	06/22/2011 12:39 am	Dan Shope	User buttons updated with correct geometry and engraved labels. Decided to make buttons 1 piece that can pivot to push each button independently.
a53d0289	<input type="radio"/>	06/21/2011 11:53 pm	Dan Shope	Added hood-top user buttons for accessibility.
858ef12e	<input type="radio"/>	06/21/2011 12:19 pm	Dan Shope	Added structural ribs to front chassis side panel. Created layout for diamond plate sticker so we can print out the pattern on a laser cutter and manually cut out the pieces. These are sized to avoid interference with radii geometry.
8ed35757	<input type="radio"/>	06/20/2011 08:28 am	Dan Shope	Updated top assy with separated front chassis
4f8eee53	<input type="radio"/>	06/20/2011 07:05 am	Dan Shope	Separating redesign test into hood, left & right walls. Updating assembly with new ID
4032bca3	<input type="radio"/>	06/19/2011 05:51 pm	Dan Shope	Testing redesigned front chassis. Sourced bumper switches and removed out of date files.
0da44bd7	<input type="radio"/>	06/19/2011 03:15 am	Dan Shope	Updated hood and top assembly. Experimenting with dramatic hood shape and angular headlights.
7ac27ab9	<input type="radio"/>	06/19/2011 01:41 am	Dan Shope	Added unibody hood, redesigned for better manufacturability and greater strength.
23baced7	<input type="radio"/>	06/18/2011 02:18 pm	Dan Shope	Added labeling areas to front chassis, fixed interference with Scoutfly by adding undercut to front chassis.
7b95998b	<input type="radio"/>	06/18/2011 08:42 am	Dan Shope	Fixed centering error on rear chassis axle since widening hub clearances. Updated front chassis features for easier demolding.
fe821a41	<input type="radio"/>	06/18/2011 01:17 am	Dan Shope	Added fasteners, added clearance for pivot lock nut assembly. Added rubber wire passthrough to limit intrusion of debris into front chassis.
73f707fb	<input type="radio"/>	06/17/2011 01:17 am	Dan Shope	Added wire passthrough gasket to front chassis. Matched front pivot block to rear pivot block

			am		real pivot block.
5f758dfb	⊙	⊙	06/16/2011 11:50 am	Dan Shope	Widened wheel hubs on front and rear chassis to increase clearance and avoid interference issues with wheel. Removed external references on front chassis to sever links to old assembly design.
2cfe296e	⊙	⊙	06/16/2011 11:05 am	Dan Shope	Removed extraneous fillets and fixed all geometry errors. First pass at 3D print->molded design
5b726cbf	⊙	⊙	06/16/2011 10:01 am	Dan Shope	Updated ribs and front screw bosses to avoid interference
695fd6e3	⊙	⊙	06/16/2011 09:43 am	Dan Shope	Updated rear cover screw bosses for better flow. Fixed interferences between rear cover and rear chassis. Updated pivot washer cutout for easier mold preparation.
1d3170a0	⊙	⊙	06/15/2011 12:40 am	Dan Shope	Added attachment screw bosses to rear cover, updated ribs for greater strength
22e82520	⊙	⊙	06/15/2011 12:07 am	Dan Shope	Added screw bosses to attach rear cover from underside of rear chassis. Using thread-forming pan head screws.
2d91df81	⊙	⊙	06/14/2011 11:12 pm	Dan Shope	Added fasteners and revised clearances. Added cross rib to chassis.
a953c632	⊙	⊙	06/14/2011 11:50 am	Dan Shope	Enlarged hole sizes based on testing with prototype, fixed positioning of FFC passthrough to be centered on FFC connector.
b34e0a4f	⊙	⊙	06/14/2011 07:12 am	Dan Shope	Added support for breakfly PCB (full surround) based on testing with FDM printed prototype. Added strengthening rib to chassis to prevent unwanted flexing between the rear wheels.
e9580328	⊙	⊙	06/13/2011 11:59 am	Dan Shope	Revised rib widths to follow molding guidelines. Previously were thicker than desired to match minimum RC-CNC constraints. Added strengthening ribs to rear cover plate.
58ea85ba	⊙	⊙	06/13/2011 09:28 am	Dan Shope	Homing switch for sonar assembly fully integrated.
bb7c6a1a	⊙	⊙	06/12/2011 06:07 pm	Dan Shope	First pass at stepper homing switch.
78f8cd41	⊙	⊙	06/12/2011 02:06 am	Dan Shope	Added power switch and accessory port
2cf6b602	⊙	⊙	06/12/2011 01:25 am	Dan Shope	Added supports for breakfly pcb (acc port) and lock ins for BOM receivers.
2dce071b	⊙	⊙	06/12/2011 01:10 am	Dan Shope	Added FFC passthrough, strengthening ribs to rear chassis. Updated BOM block w/ real dimensions. Whitepaper on RTV molding.
223e0a0c	⊙	⊙	06/09/2011 01:33 am	Dan Shope	2nd pass on machining molds, added BOM sensors to model
b5fb32b8	⊙	⊙	06/08/2011 11:30 pm	Dan Shope	Fixed width error on rear chassis, updated molds with rib features.
bf675c50	⊙	⊙	06/07/2011 11:47 pm	Dan Shope	Updated molds for rear chassis
5f264a0a	⊙	⊙	06/07/2011 10:22 pm	Dan Shope	Removed fillets and other features that cannot be machined on RC CNC.
c4523087	⊙	⊙	06/07/2011 09:46 pm	unknown	Fixed errors on rear cover, added mating features for rear chassis and rear ball bearing surface
d88ed555	⊙	⊙	06/07/2011 01:22 am	unknown	Updated 2 part mold for rear chassis
8b064d78	⊙	⊙	06/06/2011 09:35 pm	unknown	Added rear bumper features and sketch block for BOM cutouts
0b85dbf9	⊙	⊙	06/04/2011 04:36 pm	unknown	Fixed errors on rear unibody, added mold (core).
0a81e134	⊙	⊙	05/26/2011 02:52 am	unknown	Added molded rear cover and updated rear unibody.
25dd9d0e	⊙	⊙	05/26/2011 12:52 am	unknown	Designed unibody (plastic molded) chassis components.
f5456e68	⊙	⊙	11/10/2010 09:02 pm	Alex Munoz	Modified Back Plate: Two piece design, added holes
30ce0230	⊙	⊙	11/02/2010 06:56 pm	Alex Munoz	moved screw holes for contactBlock and bomMount
7272736a	⊙	⊙	10/27/2010 10:46 pm	unknown	Outer Cover now covers whole frame, added screw holes
35a91374	⊙	⊙	10/21/2010 02:04 am	Dan Shope	Updated BOM labels with final missing components
e534bf1f	⊙	⊙	10/20/2010 12:19 pm	Dan Shope	Added specs for additional sensors
20335492	⊙	⊙	10/20/2010 04:35 am	Dan Shope	Storage station now in parts for manufacturing. Added integrated diagnostic station components. Added Electronics directory for sync with dshope standard parts library
b710722b	⊙	⊙	10/19/2010 08:37 pm	Dan Shope	Added ignore filter for thumbs.db
615998c7	⊙	⊙	10/19/2010 08:31 pm	unknown	First version of Autonomous Charging Station
ba68a1bc	⊙	⊙	10/17/2010 07:23	Dan Shope	Added charging station and integrated diagnostics station

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4751a7e3	<input type="radio"/>	<input type="radio"/>	10/13/2010 09:08 am	Dan Shope	Changed hood to 3D printed/cast part. Added ridges for strength and combined with headlights, hinge strut, and front sensor mount
b8dc95be	<input type="radio"/>	<input type="radio"/>	10/13/2010 02:19 am	Dan Shope	Added hood ridges and slanted front bumper. Added 3D print job and details for ICs on Scoutfly.
f8db5fb1	<input type="radio"/>	<input type="radio"/>	10/12/2010 02:41 am	Dan Shope	Revised headlights, added seals for wheel weels, FFC routing chamber, front BOM and bumper switch mount
961d884b	<input type="radio"/>	<input type="radio"/>	10/11/2010 12:41 pm	Dan Shope	Added plastic spring return cover
e17c9f80	<input type="radio"/>	<input type="radio"/>	10/11/2010 06:03 am	Dan Shope	Spring return detailed renders
a8653ace	<input type="radio"/>	<input type="radio"/>	10/11/2010 06:01 am	Dan Shope	Locked for production. Added mounting holes to rear cover, bend guides for sheet metal parts, updated check tools.
2e2d3295	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:35 am	Dan Shope	finished adding renders
fabda7d7	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:27 am	Dan Shope	added wallpapers and renders
fac33c90	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:23 am	Dan Shope	Added docs
a085ce64	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:21 am	Dan Shope	Added renders
06454cf7	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:20 am	Dan Shope	Added Doc images for websites and assembly instructions
40f869d2	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:19 am	Dan Shope	Added docs directory
6b003c8e	<input type="radio"/>	<input type="radio"/>	10/11/2010 02:18 am	Dan Shope	Spring return assy now optimized. Front baseplate now resolves flatpattern
4da41ff3	<input type="radio"/>	<input type="radio"/>	10/10/2010 03:54 pm	Dan Shope	Added spring return system and power switch.
4fe4621c	<input type="radio"/>	<input type="radio"/>	10/08/2010 06:23 am	Dan Shope	Magnets now clasp on Scoutfly bolts, headlights clear filter mounting clips. Clearance for underside Scoufly connectors on front board mount.
4e999f10	<input type="radio"/>	<input type="radio"/>	10/08/2010 05:52 am	Dan Shope	Added air filters and clips, scoutfly mounting hardware. Updated Scoutfly orb position.
b682ad2e	<input type="radio"/>	<input type="radio"/>	10/07/2010 08:44 pm	Dan Shope	Rear cover now single piece, replacing rear batt support. Updated website manual and breakfly decal
577611a0	<input type="radio"/>	<input type="radio"/>	10/07/2010 06:58 pm	Dan Shope	Fixed alignment of wheel wells.
fd32a4f2	<input type="radio"/>	<input type="radio"/>	10/07/2010 06:34 pm	Dan Shope	Revised front assembly, added bend check tools. Updated wiring schematic
e8c100a1	<input type="radio"/>	<input type="radio"/>	10/07/2010 12:48 am	Dan Shope	Added firewall to front baseplate, lengthened wheelbase
edaffaf1	<input type="radio"/>	<input type="radio"/>	10/05/2010 01:37 am	Dan Shope	Started internal scout website for inventory and part tracking
93c9e9e1	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:42 pm	Dan Shope	Added presentations and reference files
df3fc813	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:41 pm	Dan Shope	Added funding proposals and accessory design specs
7422d593	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:40 pm	Dan Shope	Added website (internal & external) files
15c24319	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:39 pm	Dan Shope	Added component specs
2078a38b	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:36 pm	Dan Shope	Added renders directory
91d5ae2e	<input type="radio"/>	<input type="radio"/>	10/04/2010 03:32 pm	Dan Shope	Added logos and renders directories
4f7d0ad8	<input type="radio"/>	<input type="radio"/>	10/03/2010 09:07 pm	Dan Shope	Added 3D print files
0a40eeee	<input type="radio"/>	<input type="radio"/>	10/03/2010 08:56 pm	Dan Shope	Fixed file names
dbe32020	<input type="radio"/>	<input type="radio"/>	10/03/2010 08:45 pm	Dan Shope	Renamed and linked files into system based structure
d0414ffa	<input type="radio"/>	<input type="radio"/>	10/02/2010 06:04 am	Dan Shope	Added Breakfly board connectors and updated rear assembly for breakfly integration.
c186ea43	<input type="radio"/>	<input type="radio"/>	09/30/2010 02:39 am	Dan Shope	Added JST connectors, Revised Breakfly with JST connectors. Changed stepper standoff height to match McMaster part.

[View differences](#)