MODEL S535 INSTRUCTIONS

PRODUCT REGISTRATION:
MAKE SURE TO REGISTER YOUR PURCHASE AT http://allensportsusa.com/about/product-registration TO QUALIFY FOR PRODUCT WARRANTY AND TO RECEIVE IMPORTANT PRODUCT NOTIFICATIONS

WARNING: Bikes or rack falling in road can cause serious accidents resulting in bodily injury—do not use rack on any vehicle on which it can not be properly mounted as described in this instruction sheet.

- Rack should only be used on vehicles with Class I or II 1 1/4" or Class III or IV 2" receiver hitches.
- **NEVER** use on trailer or front of vehicles.
- Bikes must be tied to rack using tie-downs, or additional straps if necessary.
- Check periodically during use taht all bolts and pins are tight, and that rack and bicycles are secure.
- Never carry more than 3 bicycles (**MAX CAPACITY: 100 LB**) - no tandems, mopeds, or recumbents. Car tail lights must remain visible. Bikes must be securely tied to rack. Use bike tie-downs, or additional straps if necessary.
- Drive conservatively, especially over bumps. Never use off-road.
- Do not use if any part of the rack is damaged, worn, or missing. Contact R. A. Allen Co., Inc. for replacement parts..

CAUTION: Use Allen S-535 only in accordance with local motor vehicle and traffic regulations.

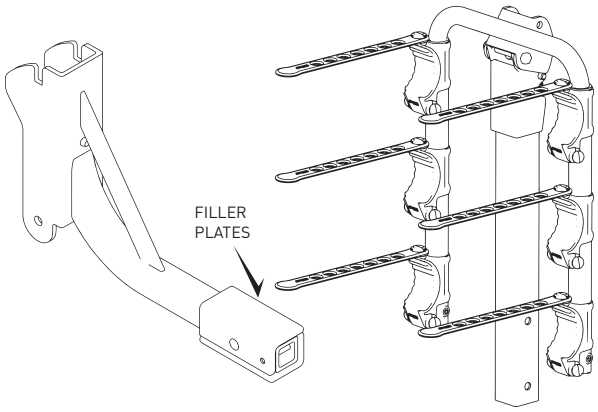
- Install rack and load bicycles only at a safe distance away from moving traffic.
- Make sure that all of rack and bicycles are kept at a safe distance from road and hot exhaust.
- Only operate vehicle with rack in an upright, locked position.
- Bicycles should never extend beyond sides of vehicle.
- Remove rack from car, or fold carry arms down when not in use.

A. PARTS

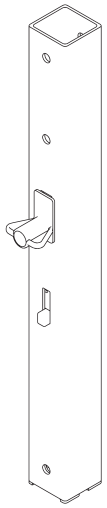
S-535 BOX SHOULD CONTAIN THE FOLLOWING ITEMS:

1- HITCH INSERT

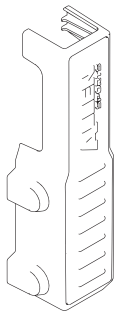
1- CARRY ARM ASSEMBLY



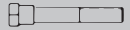
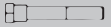
1- RR POST



1- SPINE SHIELD



1—HARDWARE KIT, CONTAINING:

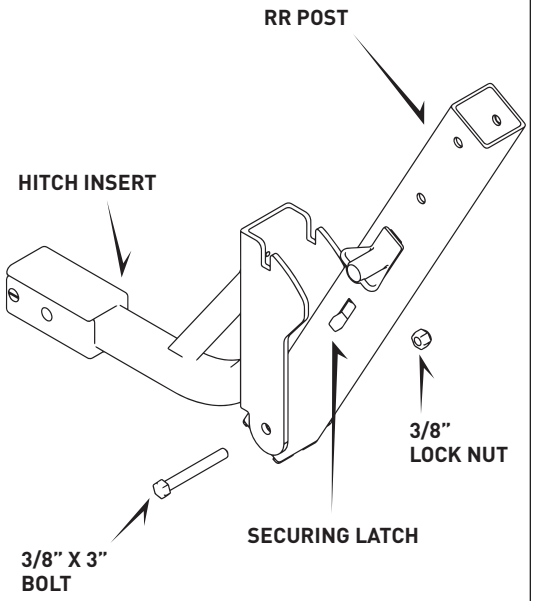
	2 - 3/8" X 2 1/2" BOLT
	1 - 3/8" X 3" BOLT
	4 - 3/8" LOCK NUT
	1 - 1/2" LOCK NUT
	1 - 1/2" WOBBLE BOLT
	1 - 3/8" WOBBLE BOLT
	1 - 70" BOTTOM STRAP

B. ASSEMBLING RACK:

TOOLS REQUIRED: 2—9/16" WRENCH & 2—3/4" WRENCH; or 2 ADJUSTABLE WRENCHES

STEP 1

- INSERT LOWER PORTION OF RR POST INTO HITCH INSERT SO THAT THE HOLES AT THE BOTTOM OF EACH PART LINE UP.
- INSERT THE 3/8" X 3" BOLT THROUGH THE HOLE, AND THREAD 1—3/8" LOCK NUT ONTO THE END OF THE BOLT.
- PIVOT THE RR POST INTO THE UPRIGHT POSITION, SO THAT THE SECURING LATCH SNAPS INTO PLACE.
- TIGHTEN NUT AND BOLT FIRMLY USING TWO WRENCHES.



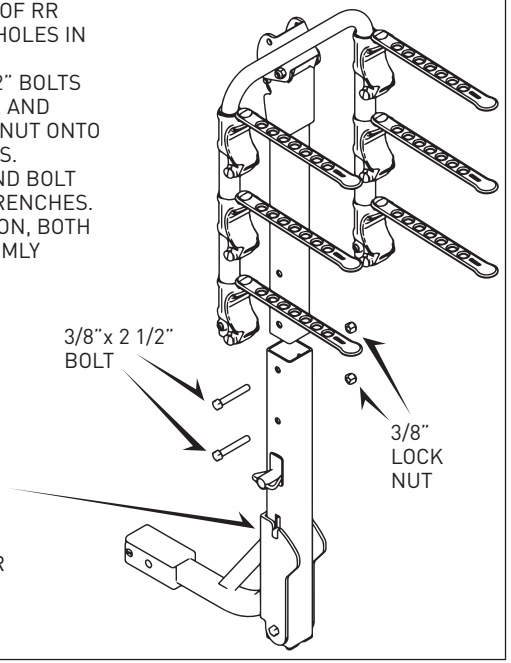
STEP 2

- INSERT CARRY ARM ASSEMBLY INTO UPPER PORTION OF RR POST, LINING UP THE HOLES IN EACH PART.
- INSERT THE 3/8" X 2 1/2" BOLTS THROUGH EACH HOLE, AND THREAD 1—3/8" LOCK NUT ONTO THE END OF THE BOLTS.
- TIGHTEN EACH NUT AND BOLT FIRMLY USING TWO WRENCHES.

NOTE: UPON COMPLETION, BOTH PARTS SHOULD BE FIRMLY JOINED TOGETHER.

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CARRY ARM ASSEMBLY

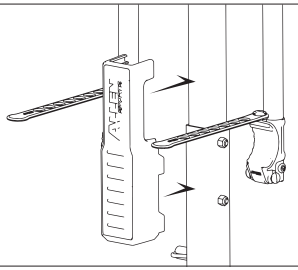


IMPORTANT:
WHEN RACK IS IN AN UPRIGHT POSITION, SECURING LATCH MUST BE FULLY ENGAGED FOR RACK TO FUNCTION PROPERLY.

STEP 3

INSTALLING SPINE PAD

WITH "ALLEN SPORTS" IN THE UPPER POSITION, LINE UP THE RECESSES FOR THE NUT AND BOLT HEADS, AND SNAP THE SPINE PAD INTO PLACE ONTO THE RECEIVER RACK'S VERTICAL POST.



C. INSTALLING RACK ONTO VEHICLE:

MODEL S-535 SHOULD ONLY BE USED ON 2" RECEIVER HITCHES, OR CLASS I OR II 1 1/4" RECEIVER HITCHES INSTALLED ON AUTOMOBILES. NEVER USE THIS RACK ON A TRAILER.

ADJUSTING FOR HITCH SIZE:

FILLER PLATES AND SCREW SHOULD BE INSTALLED/ REMOVED DEPENDING ON THE SIZE OF YOUR RECEIVER HITCH.

FOR 2" HITCHES, FILLER PLATES SHOULD BE INSTALLED WITH FILLER PLATE SCREW BEFORE INSTALLING THE RACK ON YOUR VEHICLE.

FOR 1 1/4" HITCHES, REMOVE FILLER PLATES AND SCREW.

NO-WOBBLE BOLT:

PROPERLY INSTALLING THE NO-WOBBLE BOLT IS CRITICAL FOR PROPER FUNCTIONING OF THE RACK ON 1 1/4" OR 2" HITCHES.

FOR 2" HITCHES, INSTALL THE RACK WITH THE 1/2" (LARGER) NO-WOBBLE BOLT INCLUDED WITH THE PRODUCT.

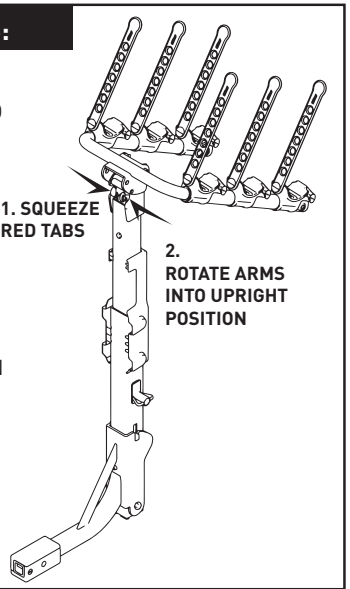
FOR 1 1/4" HITCHES, INSTALL THE RACK WITH THE 3/8" NO-WOBBLE BOLT INCLUDED WITH THE PRODUCT.

INSTALLING THE RACK ON YOUR VEHICLE:

- WITH ARMS IN FOLDED POSITION, INSERT RACK INTO RECEIVER HITCH. LINE UP HOLE IN THE BASE WITH HOLE OF RECEIVER HITCH.
- WHEN THE RACK IS SET UP FOR 2" HITCHES, ONLY ONE HOLE OPTION WILL BE AVAILABLE ON THE HITCH INSERT, AND THIS WILL BE THE 1/2" HOLE. THE NO-WOBBLE BOLT SHOULD BE INSTALLED THROUGH THIS.
- WHEN THE RACK IS SET UP FOR 1 1/4" HITCHES, THE 3/8" NO-WOBBLE BOLT SHOULD PASS THROUGH THE 3/8" (MIDDLE) HOLE ON THE HITCH INSERT, NOT THE LARGER 1/2" HOLE. GOING THROUGH THE LARGER HOLE WILL ALLOW THE RACK TO MOVE INSIDE OF THE HITCH.
- THE SHOULDER OF THE BOLT SHOULD COME UP AGAINST RECEIVER RACK INSIDE OF HITCH.
- TIGHTEN FIRMLY USING TWO - 3/4" OR 9/16" WRENCHES (DEPENDING ON HITCH SIZE). THERE SHOULD NOT BE ANY MOVEMENT OF THE RACK INSIDE OF THE HITCH WHEN DONE.

D. FOLDING UP CARRY ARMS:

- TO FOLD UP CARRY ARMS, SQUEEZE TOGETHER THE TWO RED TABS ON THE BACK OF THE CARRY ARM ASSEMBLY, AND SWING CARRY ARMS INTO UPRIGHT POSITION.
- THE PINS CONNECTED TO THESE TABS SHOULD "SNAP" INTO PLACE TO HOLD THE CARRY ARMS IN AN UPRIGHT POSITION.
- REVERSING THIS PROCESS WILL KEEP THE CARRY ARMS LOCKED IN A DOWN POSITION.
- IF BOTH PINS ON YOUR RACK DO NOT PROPERLY ENGAGE THE CARRY ARMS IN THE UPRIGHT POSITION, DO NOT USE YOUR RACK, AND CONTACT R. A. ALLEN CO..



E. LOADING BICYCLES ON RACK:

- REMOVE ALL LOOSE ITEMS FROM BICYCLES (PUMPS, BAGS, ETC.), AND CHECK THAT ALL QUICK RELEASE HUBS ARE TIGHT.
- LOAD FIRST BICYCLE WITH ITS CHAIN AND GEARS FACING AWAY FROM RACK. MAKE SURE THAT BICYCLES DO NOT COME IN CONTACT WITH VEHICLE.
- LOAD SUBSEQUENT BICYCLES IN ALTERNATING DIRECTIONS. FOR BEST WEIGHT DISTRIBUTION, LOAD HEAVIEST BICYCLES FIRST, WITH LIGHTER BICYCLES ON THE OUTSIDE. ADD PADDING BETWEEN BICYCLE CONTACT POINTS, IF NECESSARY.
- AFTER BICYCLES ARE LOADED, CHECK THAT ENTIRE RACK IS SECURE AND THAT NO-WOBBLE BOLT IS TIGHT, AND THAT THE RACK IS STILL FIRMLY IN PLACE. VISION OUT OF REAR WINDOW MAY BE RESTRICTED—USE SIDE MIRRORS ACCORDINGLY WHEN BACKING UP.

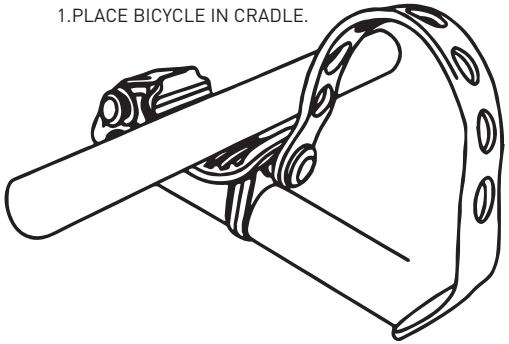
SPECIAL NOTE ON INSTALLING WOMEN'S STYLE FRAMES:

PLACE ONE CARRY ARM UNDER FRONT TOP TUBE. WITH THE OTHER CARRY ARM, ROTATE TIE-DOWN CRADLE, AND PLACE CARRY IN SPACE BEHIND SEAT TUBE AND BELOW REAR DOWN-STAY. THE **ALLEN 900B ADAPTOR BAR** IS ALSO RECOMMENDED FOR THIS APPLICATION.

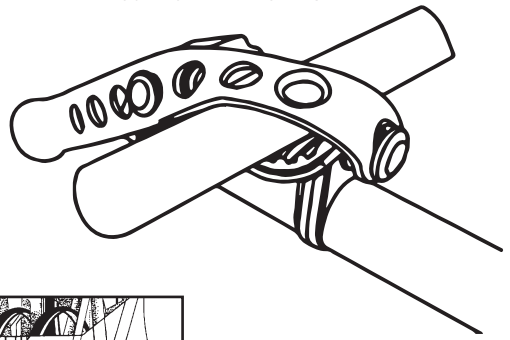
F. SECURING BIKES TO RACK:

ALL BIKES MUST BE SECURELY TIED TO RACK. USE INDIVIDUAL TIE-DOWN STRAPS, OR ADDITIONAL STRAPS IF NECESSARY.

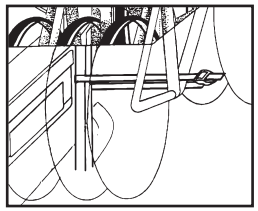
1.PLACE BICYCLE IN CRADLE.



2. LOCK DOWN TIE-DOWN STRAP.



3. USE 70" STRAP TO PULL ALL BICYCLES TOGETHER AROUND BOTTOM BRACKETS. STRAP SHOULD ALSO SECURE WHEELS.



ALLEN LIFETIME WARRANTY:

IF AN ALLEN BIKE RACK IS FOUND TO HAVE A DEFECT IN WORKMANSHIP OR MATERIAL OVER THE LIFETIME OF THE ORIGINAL PURCHASER, ALLEN WILL REPAIR OR REPLACE THE RACK FREE OF CHARGE. THE WARRANTY DOES NOT COVER DAMAGE OR WEAR WHICH OCCURS AS A RESULT OF DAY TO DAY USE OR GENERAL WEAR AND TEAR.

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ALLEN SPORTS

R. A. ALLEN CO., INC.—ALLEN SPORTS USA
60 THOREAU ST. - #161
CONCORD, MA 01742, USA
(800) 722-5536 FAX: (772) 234-5796
CUSTOMERSERVICE@ALLENSPORTSUSA.COM
WWW.ALLENSPORTSUSA.COM

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