Controlled Documentation

Part Number: 33923	*Revision:* B	*Effective Date:* 5/29/12	*By:* J. INGERSLEV
Document Type (indicate):			
	° Bill of Material	° Drawing (may be attached)	° Specification
	• **Assembly Instructions**	° Operating Procedure	° Other

Hot Rod Bike Fenders

Installation Instructions

Tools required

$^{3}/_{16}$”, ¼”, $^{25}/_{64}$” Drill bits
Rivnut tool
$^{5}/_{32}$” Hex Key

White Marker
Tape measure
Jig or air saw
Drill
(2) 2x4 or similar blocks
Floor jack
Jack stands
Clamps

Installation Instructions

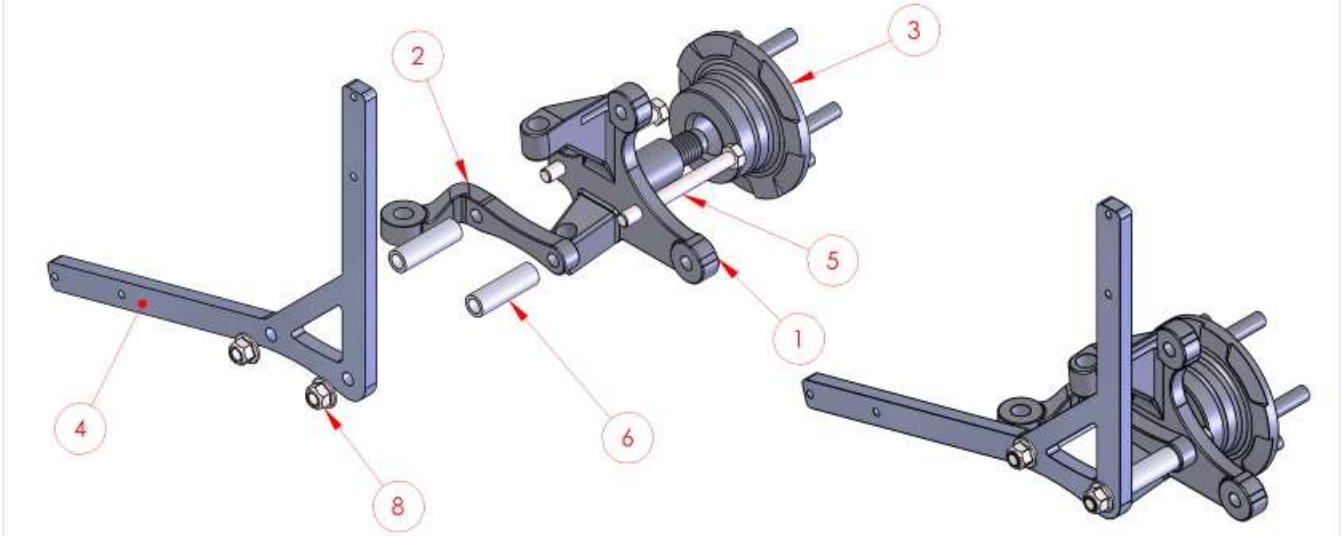
Front fenders

- Before deciding the cut of the front fenders, align the front front suspension so that the fender mounts are oriented correctly.
- See pictures of finished cars at the end of the instructions for ideas on fender trimming

Jack the front of the car up and place on jack stands.
If the front suspension is assembled, remove the front hubs and the steering arm bolts.

ITEM NO.	PART NUMBER	DESCRIPTION	With Bike Fender mount/QTY.
1	33043	SPINDLE - Hot Rod Driver/Roadster Passenger	1
2	33045	33045 - HOT ROD STEERING ARM, DRIVER SIDE	1
3	14510	1994-2004 FORD MUSTANG FRONT HUB	1
4	33635 - FRONT BIKE FENDER MOUNT	FRONT BIKE FENDER MOUNT	1
5	B18.2.3.5M - Hex bolt M12 x 1.75 x 120 --30N	33700	2
6	15514	2.45" SPACER	2
7	25995	M12-1.75mm FLANGED NYLON LOCK NUT	2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/10/12	



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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
TWO PLACE DECIMAL ±0.01
THREE PLACE DECIMAL ±0.005
FOUR PLACE DECIMAL ±0.001
MATERIAL
FINISH
USED ON
APPLICATION

	NAME	DATE
DRAWN	JI	3/3/08
COMMENTS:		
PRINTED		10/28/2019

Factory Five Racing, Inc.

TITLE:
DRIVER SIDE SPINDLE ASSEMBLY

SIZE A | DWG. NO. Hot Rod Driver side Spindle | REV A

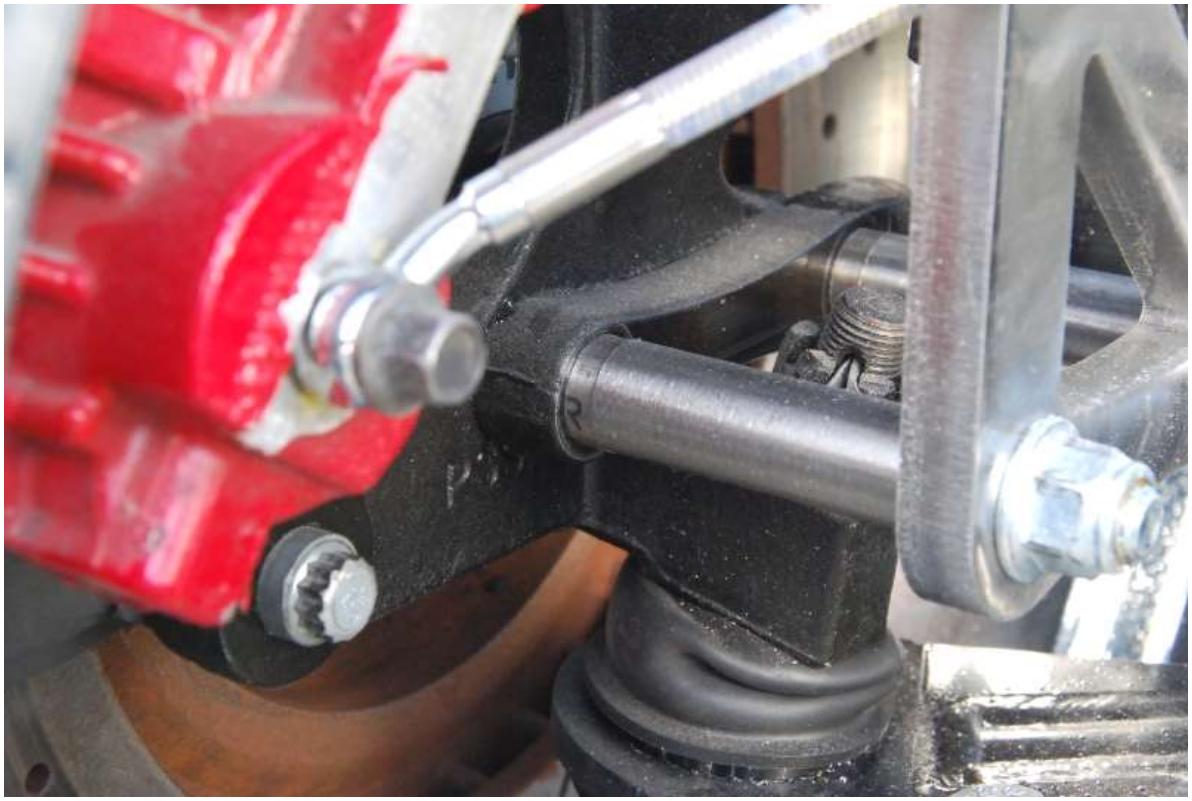
SCALE: 1:4 | WEIGHT: | SHEET 3 OF 3

Install the long steering arm bolts, spacers and front fender mount bracket. Leave the locknuts loose for now.

Reattach the wheel.

Clamp the fender to the mount so that the fender is between the tire and mount and is positioned around the tire as desired.

- It is recommended to keep the fender low in the back so that any stones or sand that is thrown up is kept to a minimum.



Depending on how the fender is trimmed and the look desired, if necessary add shims to the fender mount so the fender is centered on the tire.

Mark the fender as desired for trimming.

Make sure that ther is at least a hand clearance between the fender and tire at all positions under the fender.

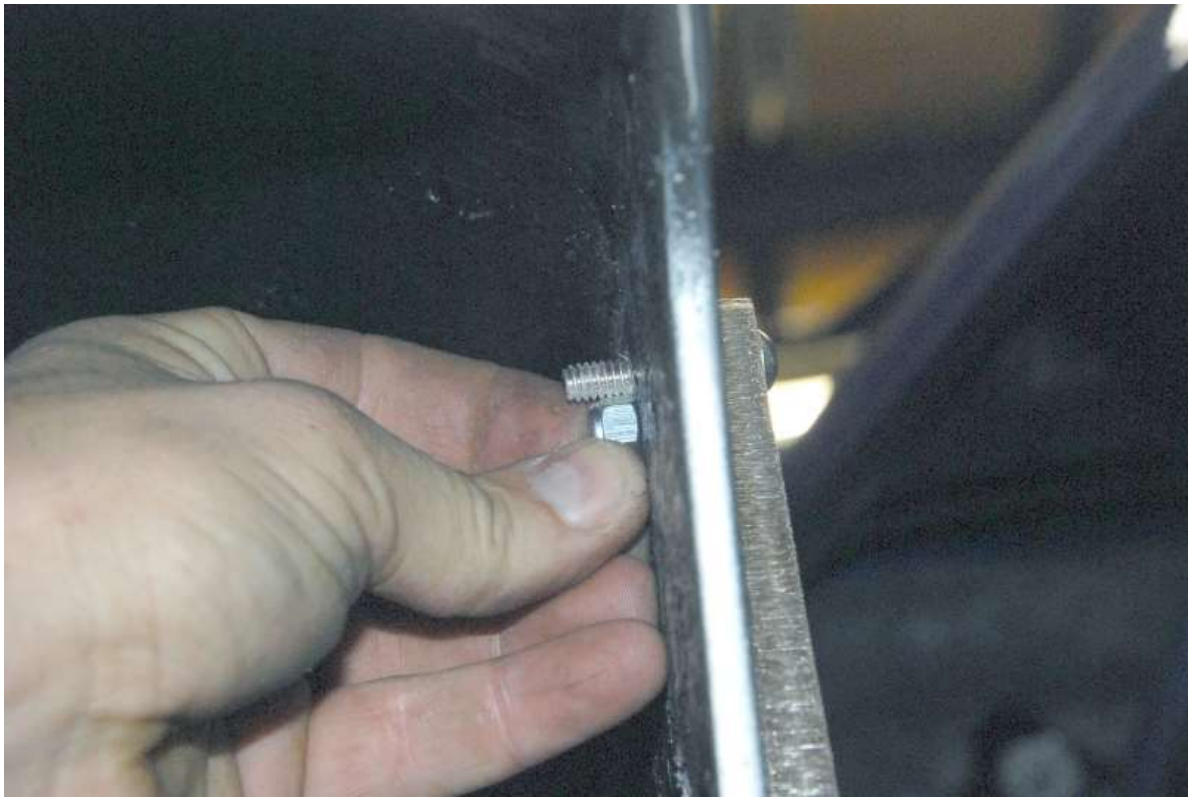
Use the fender mount holes as a guide to mark the ¼” bolt holes in the fenders using a ¼” drill bit.

Remove and trim the fenders.

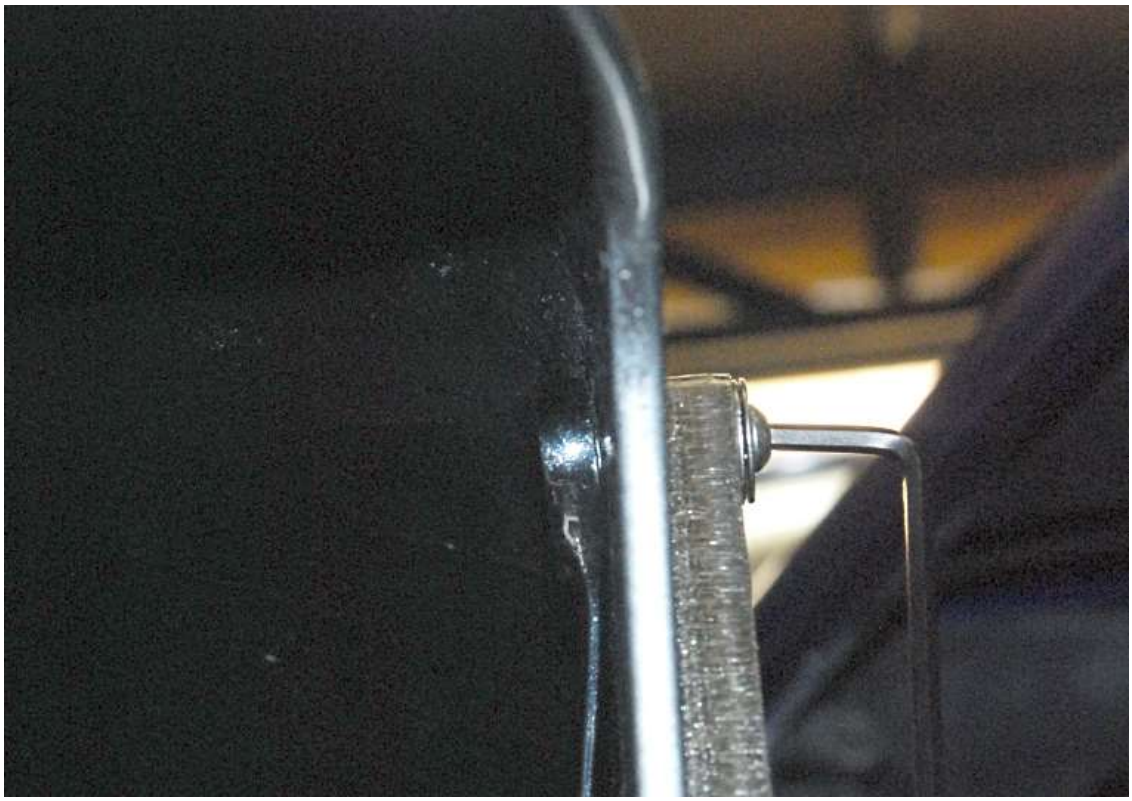
Drill the ¼” mounting holes.

Reclamp the fender in place using the ¼” mounting screws to locate the fender.

Insert the screws into the mount holes and make sure the screws do not hit the wheel or tire.
Remove the wheel.



Check to make sure that the screw will go completely through the locknut. If necessary remove material from the fender.



Attach the fender to the mount.

Remount the wheel.

Recheck clearance between the fender and tire.

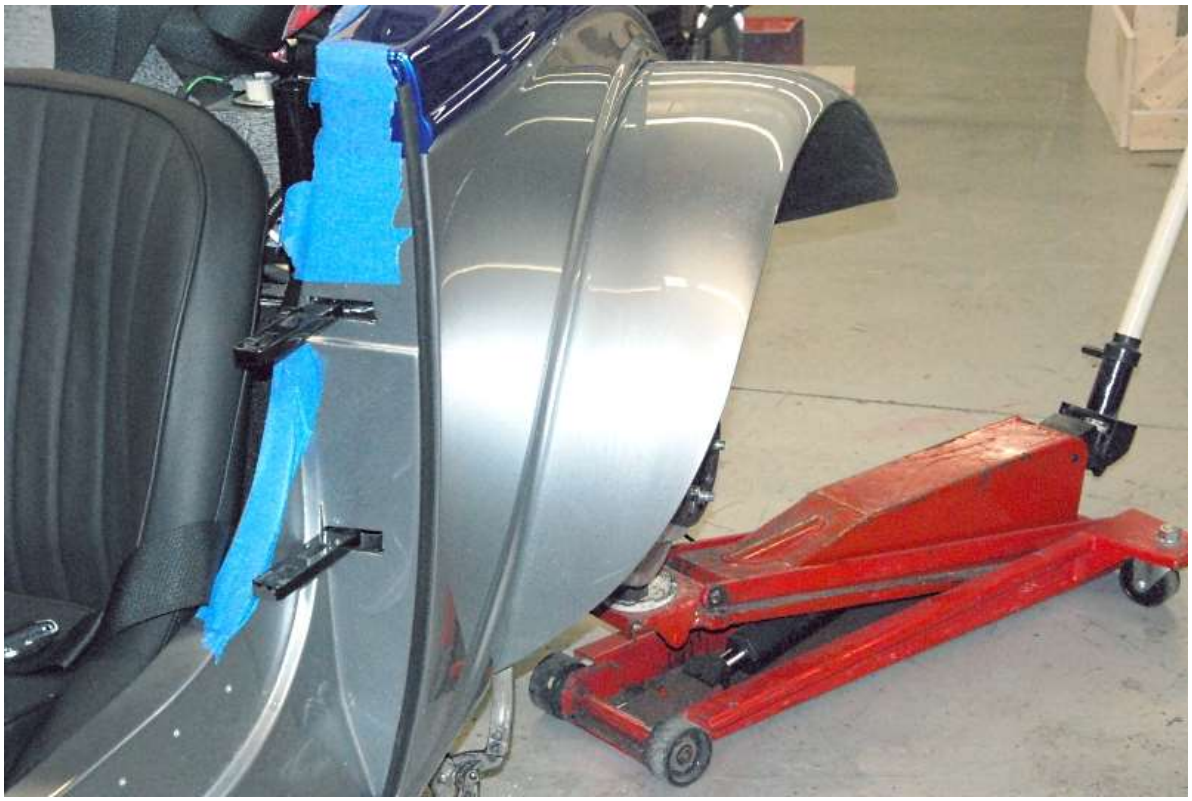
Remove the fenders for painting.

Rear Fenders

See pictures of finished cars at the end of the instructions for ideas on fender trimming

Place the rear of the car on jack stands and remove the rear wheel.

Position the rear fender on the body so it fits tight on the inside, hold it in place with a 2x4 on a jack stand or similar.



Mark and trim the fender as desired.

Position the fender on the body making sure the inside flange tight against the body.

Drill a 3/16" hole straight up making sure it goes through the fender and the body.

Enlarge the hole to ¼”.

Remove the fender and enlarge the hole in the body to $^{25}/_{64}$”

Install a rivnut in the body.

Remount the fender this time using a ¼”-20 flange head bolt to hold the fender in place.

Move 6” towards the front of the fender and repeat the process; drill a $^{3}/_{16}$” hole through the fender and the body.

Enlarge the hole to ¼”.

Remove the fender and enlarge the hole in the body to $^{25}/_{64}$”.

Install a rivnut in the body.

Remount the fender with two screws.

Once two screws have been mounted the remaining ¼” holes can be drilled without having to remove the fender after each one.

Install remaining mounting rivnuts.

Trim the fender using an air saw or jig saw.

Attach the fender to the body.

Attach the wheel to the axle.

Jack the rear end up so that it is at ride height and check the fitment of the wheel in the fender. Make sure there is no interference.

Remove the fenders for paint

Different cut styles of Fenders