

1988 - 2000 HONDA GL1500™

PARTS LIST

- 1 Large U-Clamp
 - 1 Lower front mount with $\frac{5}{16}$ " U-bolt, two flat washers and two nylock nuts. NOTE: Rod end bolt is $\frac{5}{8}$ " x 18 x 3" long.
 - 1 1pc Upper & lower rear with $\frac{3}{8}$ " U-bolt, two flat washers and two $\frac{3}{8}$ " x 16 nylock nuts. Two socket cap bolts 8mm x 1.25 x 35 bolts and flat washers. One $\frac{3}{8}$ " x 16 x $5\frac{1}{2}$ " #8 bolt, washer and $\frac{3}{8}$ " x 16 nylock nut. NOTE: On SE supplement with two socket caps 8mm x 1.25 x 40 bolts and 8 flat washers. NOTE: Rod end bolt is $\frac{5}{8}$ " x 18 x $2\frac{1}{2}$ ".
 - 2 70-Degree clamps
 - 2 70-Degree bosses
 - 2 Short Straight Struts
 - 2 $\frac{5}{8}$ " Rod Ends and jam nuts
 - 1 Optional: Brake Line, banjo 10mm x 1.25, three crush washers and quick coupler
 - 1 Optional: Damper, 1500 damper bolt
 - 1 Mounting Instructions and Warranty card
-

California Sidecar Parts & Technical Support
100 Motorcycle Run • Arrington, VA 22922
Telephone: (804) 263-8866 • Fax: (804) 263-8877

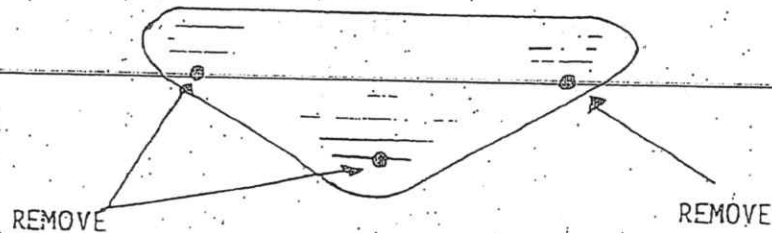
STEP 1: INSTALLING UPPER FRONT MOUNT

NOTE: References to LH and RH are with rider sitting on bike

- 1) Remove right side of the fairing panel using screws behind side marker trim and at the lower trailing edge behind the plastic snap caps. Tabs locate adjacent panels together so each panel helps hold the other during final assembly.
- 2) Remove plastic grill from radiator and relocate emission canister as shown. Loosen fan box bolt and top radiator bolt to gain clearance around frame tube for clamp.
- 3) Spread clamp over tube and rotate for assembly of block and pad. Torque bolts to 10 ft. lbs.
- 4) Position clamp assembly to a point straight out from bike and torque eyebolt to 55 lbs. with eye bolt positioned vertically.
- 5) Place fairing panel on flat surface and mark position of hole using dimensions shown. If required, trim corner of grill inside fairing to clear top of canister.
- 6) Re-assemble panels with care.

STEP 2: INSTALLING LOWER FRONT MOUNT

- 1) Remove three 5 mm bolts and take off lower front fairing panel.



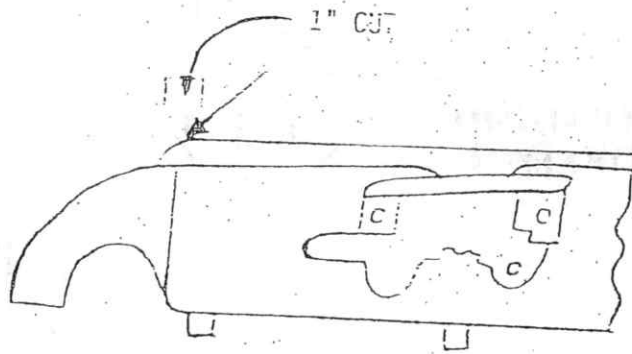
- 2) Pull out top of rubber boot at rear engine crash guard bolt, located in front of brake pedal. Insert socket wrench above rubber boot and loosen engine crash guard bolt approximately two turns.
- 3) Remove front engine crash guard 8 mm bolt and **DO NOT RE-USE!** Drill out this hole to $\frac{5}{16}$ " diameter for new $\frac{5}{16}$ " NF x 4 bolt supplied.
- 4) Remove 10 mm frame bolt next to this hole for installation later. Position arm assembly so side plate is between frame and engine crash guard.
- 5) Install $\frac{5}{16}$ " bolt through drilled out hole as shown and hand tighten nylock nut. Re-install 10 mm frame bolt in original hole.
- 6) Locate tube clamp on bike cross member and secure end of arm assembly using Nylock nuts torque to 10 ft. lbs. Torque frame bolt to 20 ft. lbs. and $\frac{5}{16}$ " bolt to 10 ft. lbs. Re-torque rear guard bolt through boot.

California Sidecar Parts & Technical Support
100 Motorcycle Run • Arrington, VA 22922
Telephone: (804) 263-8866 • Fax: (804) 263-8877

- 7) Position template on lower front fairing panel as shown and cut out clearance hole. Replace panel at the same time as panels for the upper front mount for ease of assembly.

STEP 3: INSTALLING UPPER & LOWER REAR MOUNT

- 1) Remove seat
- 2) Remove battery side cover
- 3) Remove passenger right-hand floorboard and plastic cover behind floorboard.
- 4) Remove crash guard bolt and discard.
- 5) Cut plastic floorboard cover and install.
- 6) Position floorboard and install mount to side outside of floorboard with two bolts 8 mm x 1.25 x 35 socket head bolts and flat washers. NOTE: Honda GL1500 SE only – position mount and install floorboard to outside of mount with two bolts 8 mm x 1.25 x 40 and four flat washers behind each side of bracket.
- 7) Fit $\frac{3}{8}$ " U-bolt around frame under seat with two flat washers and with two (2) $\frac{3}{8}$ " x 16 Nylock nuts. Move bracket so that hole lines up with crash guard bolt.
- 8) Tighten floorboard bolts and u-bolt.
- 9) ~~Drill $\frac{3}{8}$ " hole with mount as guide through frame at crash guard. Install $\frac{3}{8}$ " x 16 x 5 $\frac{1}{2}$ " gr. 8 bolt, flat washer and $\frac{3}{8}$ " x 16 nylock nut. NOTE: nut goes on backside.~~
- 10) Fit seat. Hole (plus or minus 1 $\frac{1}{2}$ ") must be drilled out of seat backing to fit over u-bolt.

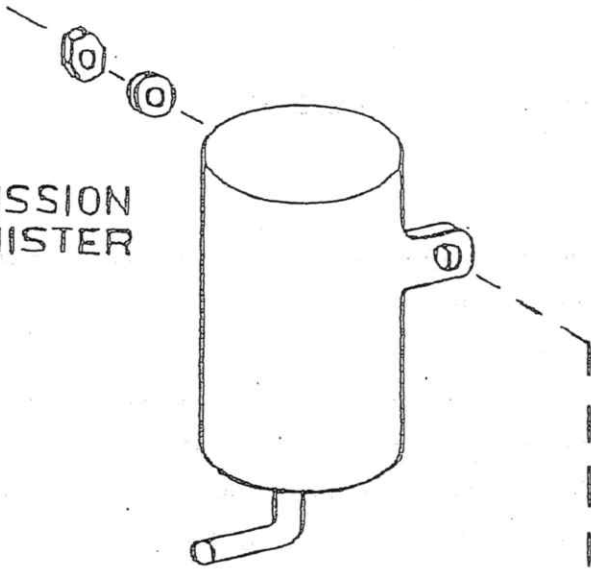


California Sidecar Parts & Technical Support
100 Motorcycle Run • Arrington, VA 22922
Telephone: (804) 263-8866 • Fax: (804) 263-8877

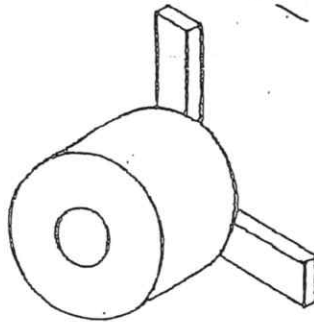
RE: UPPER FRONT



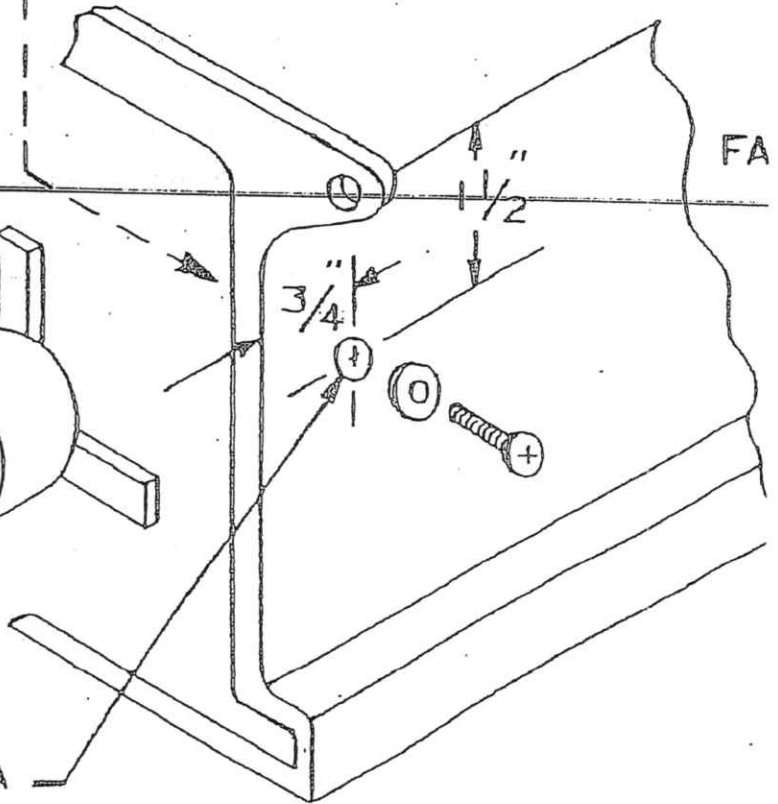
EMISSION
CANISTER



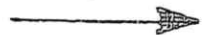
RIGHT HAND
SIDE FAN



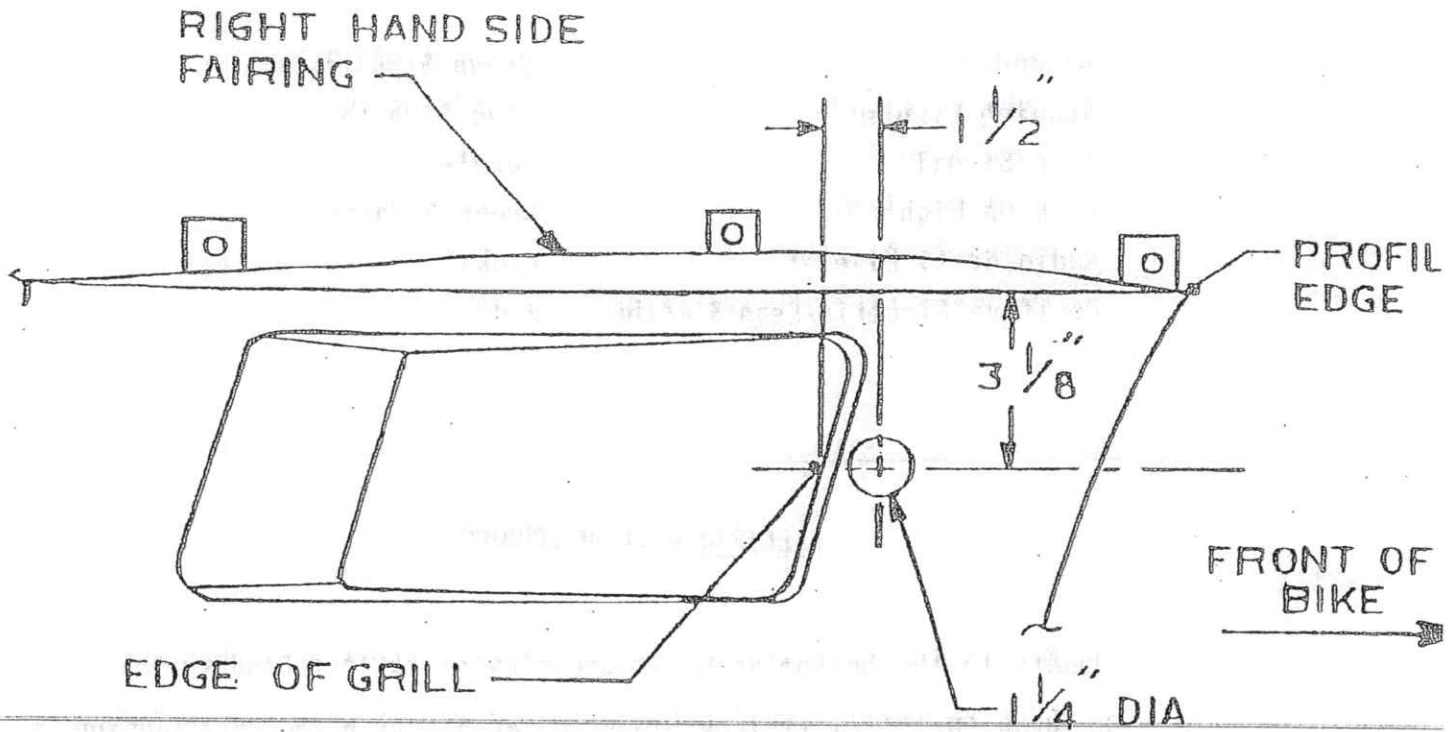
$\frac{3}{16}$ " DIA



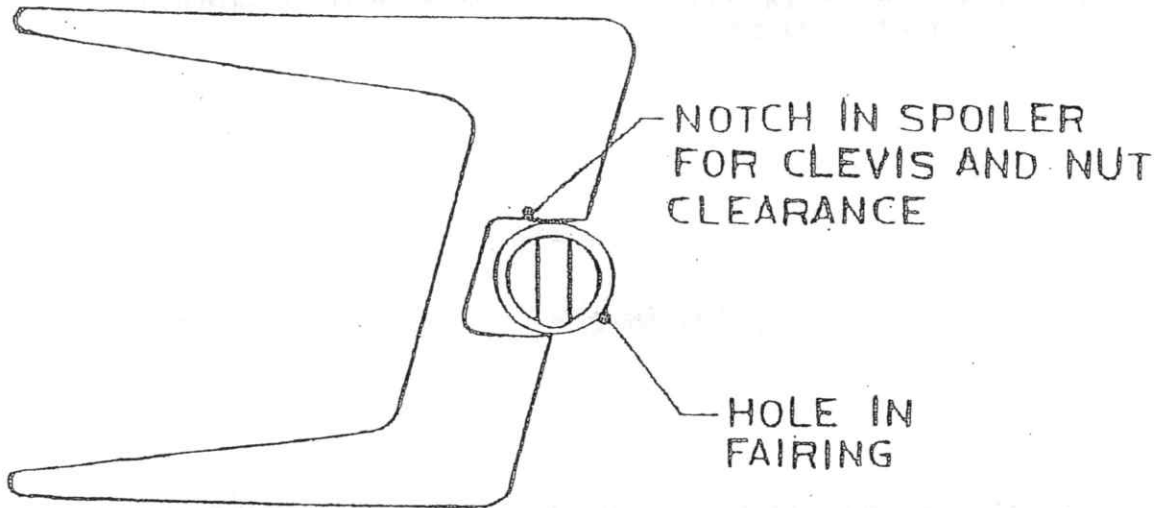
FRONT OF
BIKE



①



FOR MODEL WITH SPOILER



MOTORCYCLE WIRING

Ground	Brown & White
Running Lights	Blue & White
Turn Signal	Purple
Back Up Light	Green & White
Radio Cont. Live	Pink
Positive Electric Lean & Radio	Red

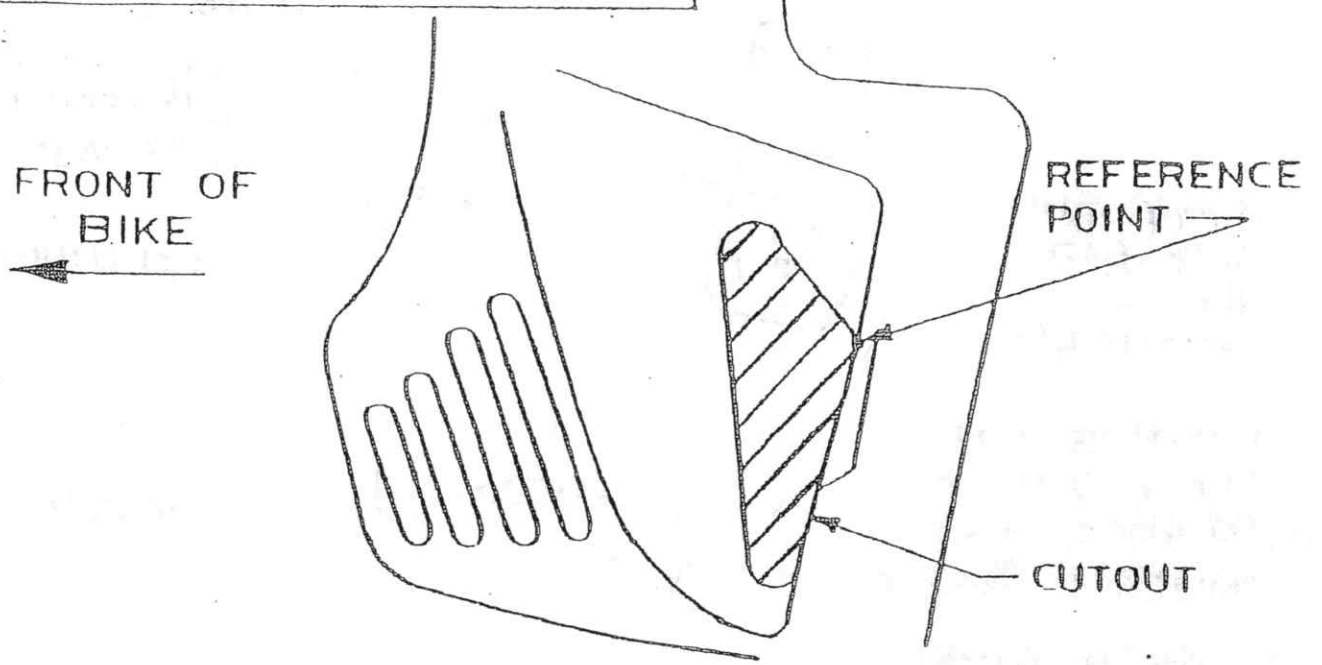
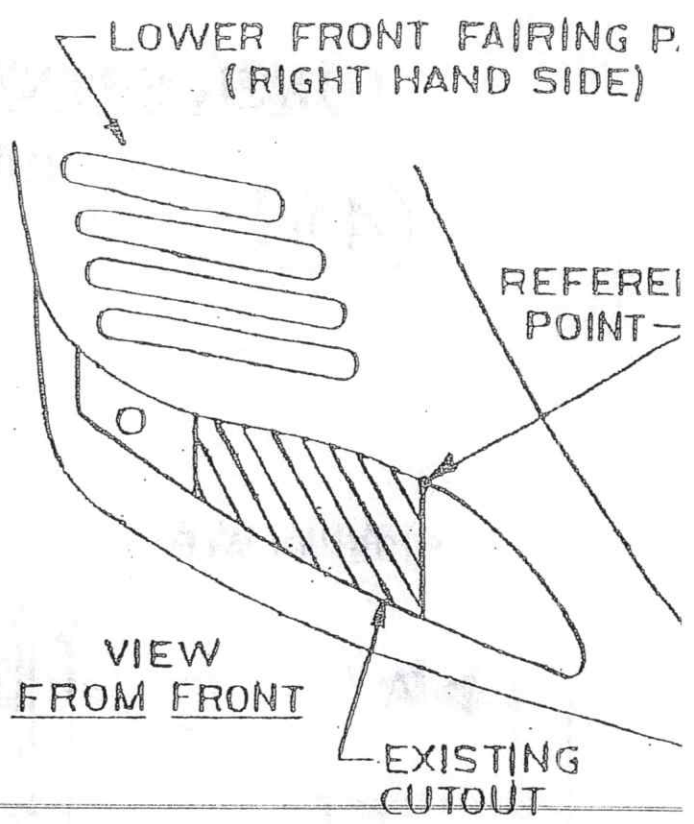
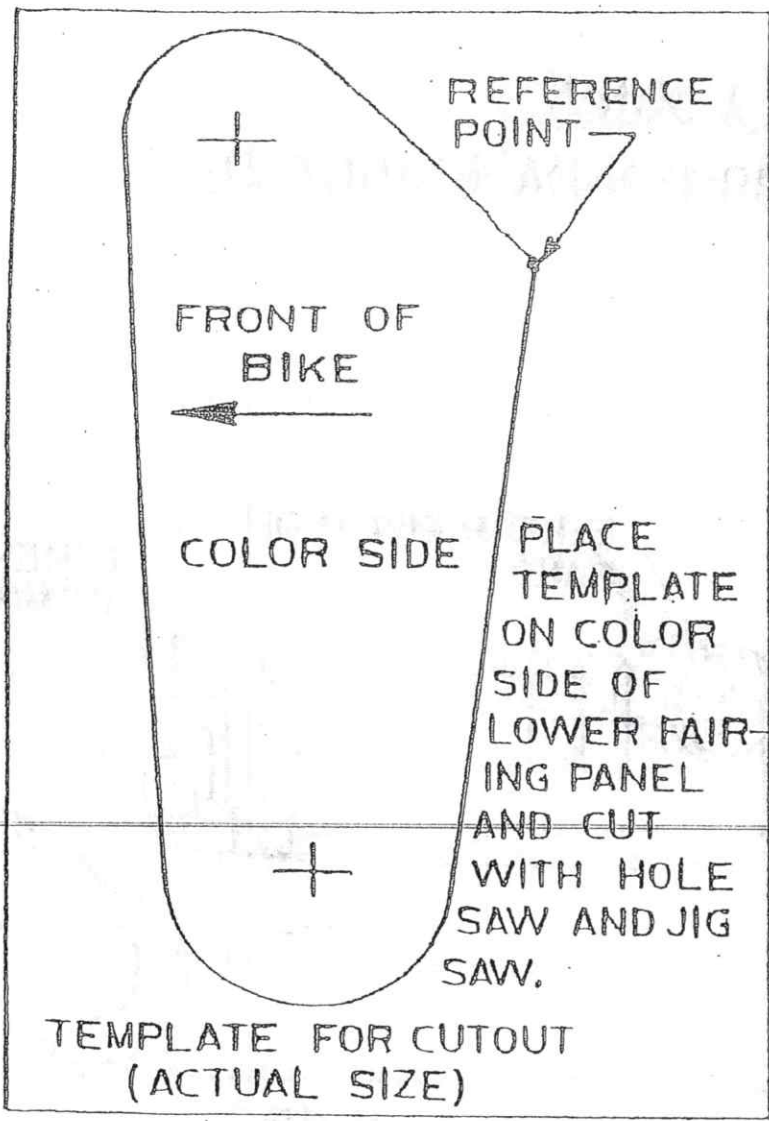
ELECTRIC LEAN SWITCHBOX

Mounts to the bottom of the motorcycles stock left hand switch housing. ~~Drill small pilot holes and attach with the self tapping~~ screw supplied.

NOTE: If needed you can drill holes in stock switch housing and rivet in place.

SIDECAR BRAKE

Attach the steel braided brake line to the front handlebar mounted master cylinder with the double banjo bolt supplied.

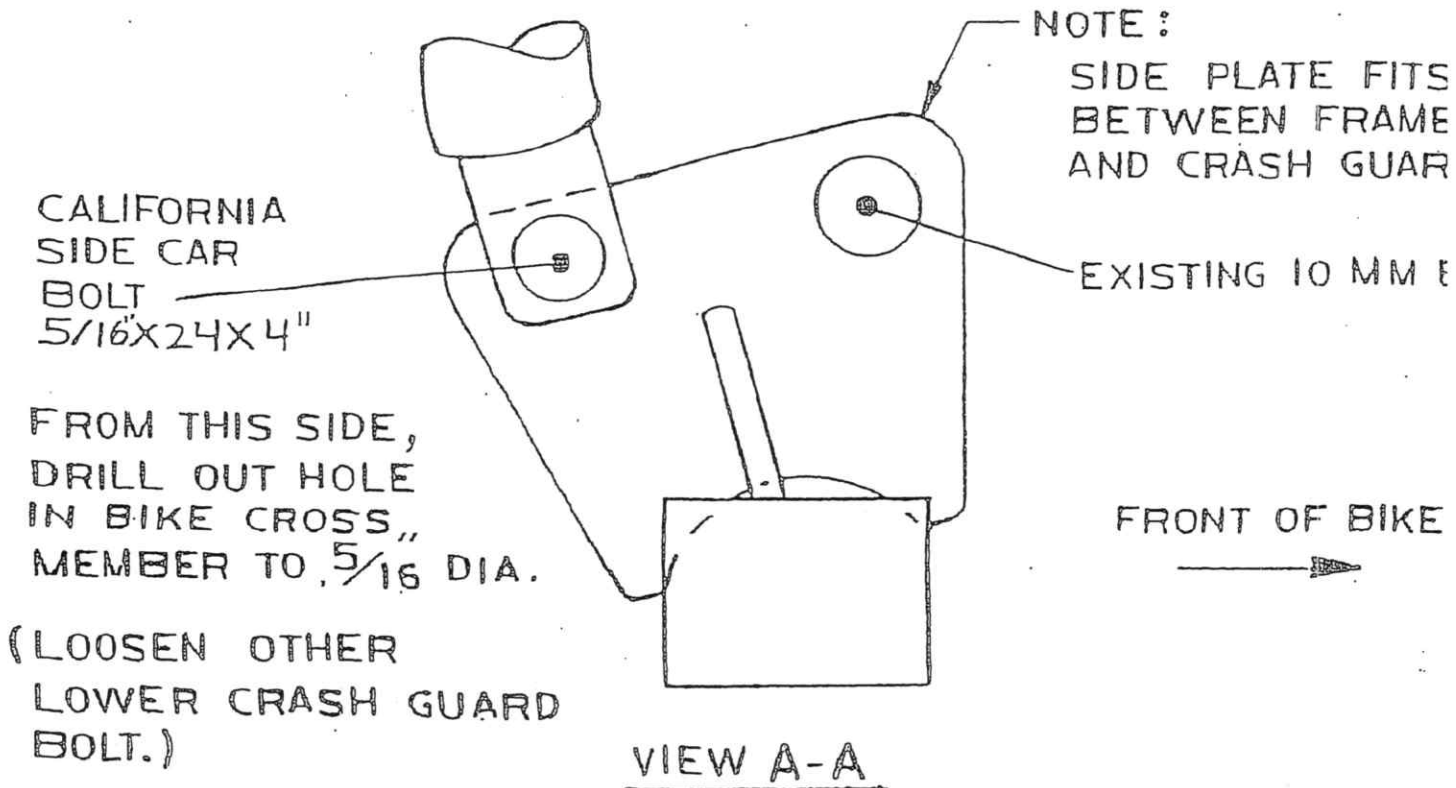
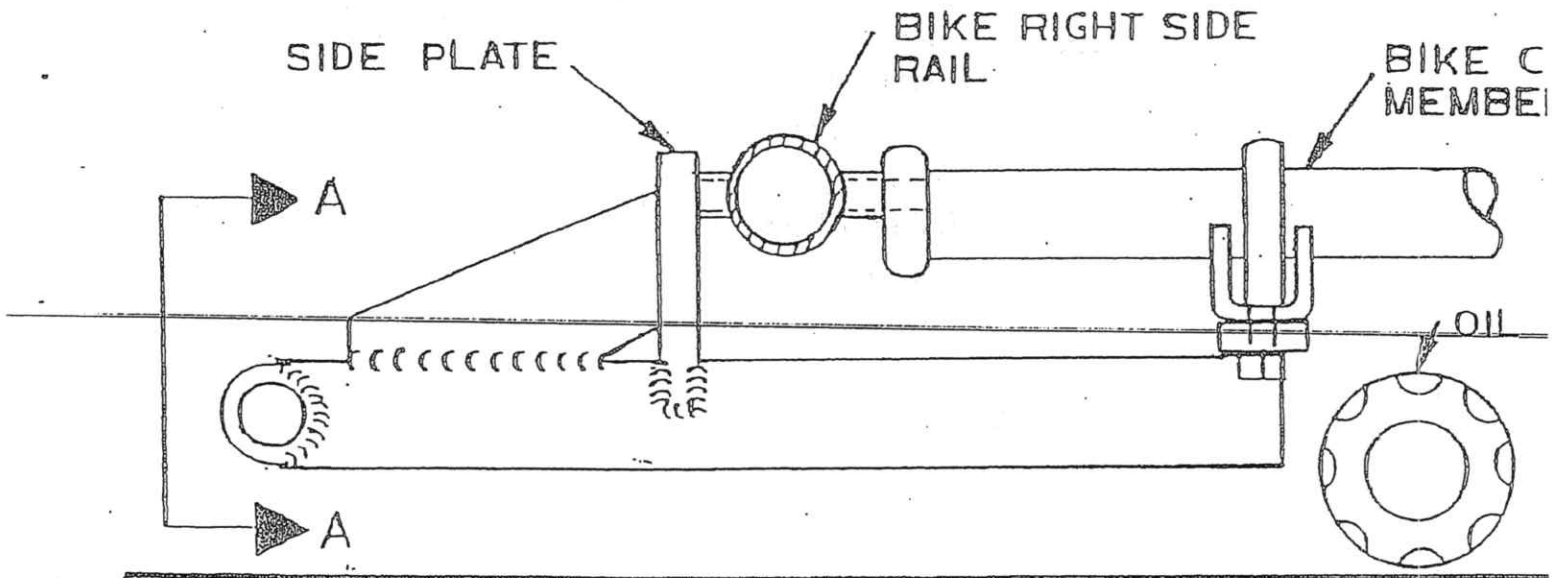


LOOKING UP FROM UNDERSIDE OF BIKE

LOWER FRONT MOUNT

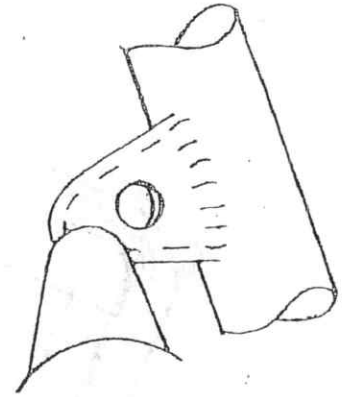
1988 HONDA GL1500/6

④

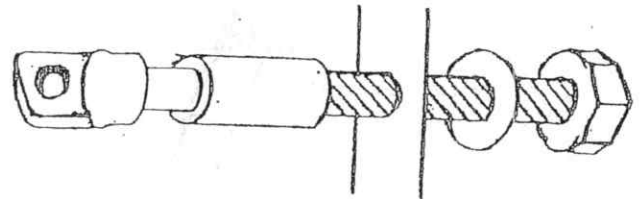


STEERING DAMPER INSTALLATION

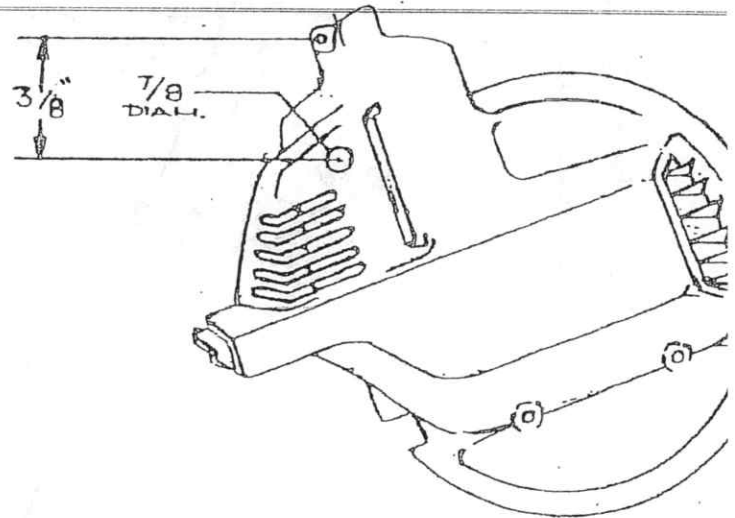
DRILL $13/32$ dia. hole in the center of brake arm so the nut on the inside is an equal distance from the flanges, this enables a socket enough clearance when tightening.



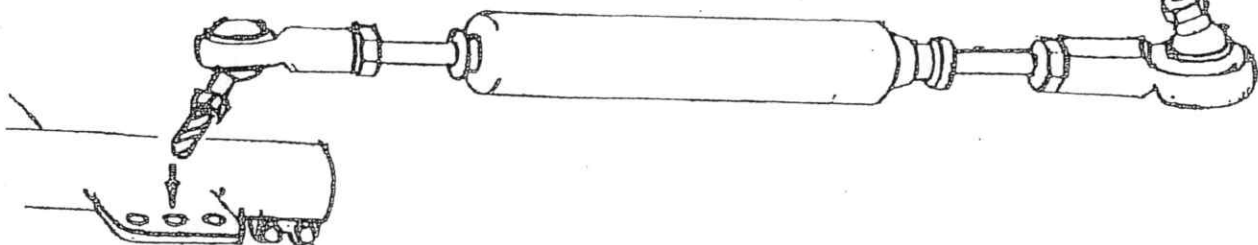
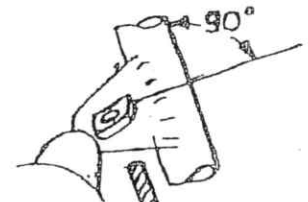
Assemble as shown to forks.
Torque to 25-30 ft. lbs.



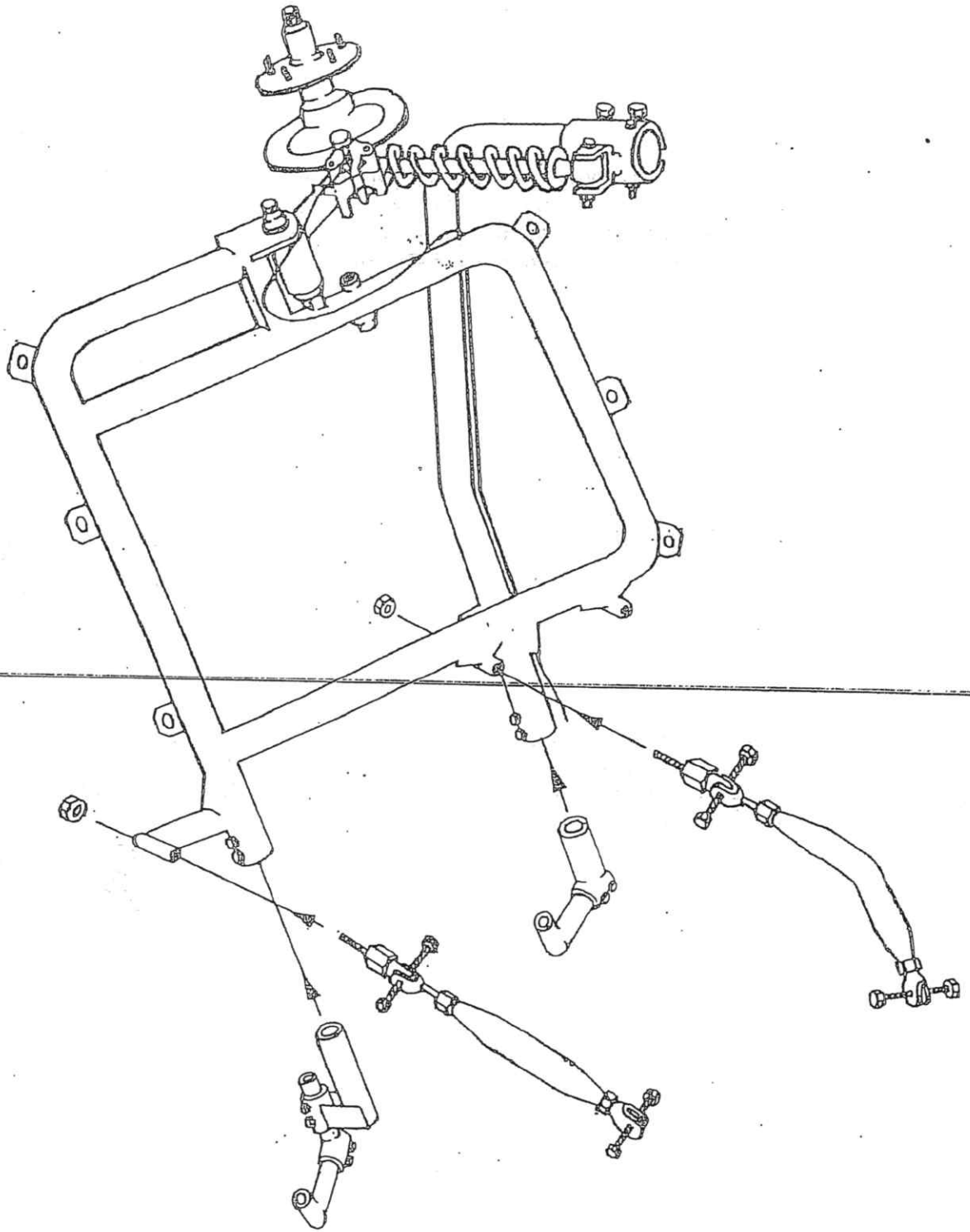
Cut hole in cover as shown, using the rear edge of the opening as a reference, and the top hole as a reference.



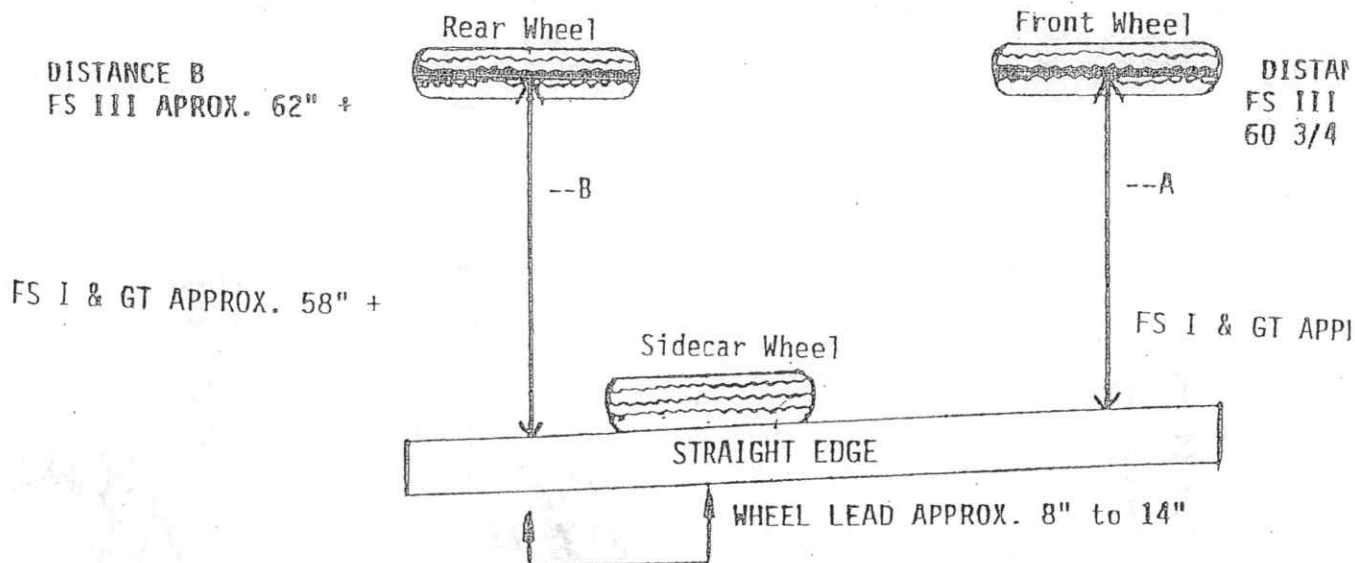
Damper needs clearance during operation, position so steering and suspension are not restricted.



1988 HONDA SHADOW 1100



FRAME ASSEMBLY



TOE IN:

DISTANCE A SHOULD BE APPROX. 1" TO 1 1/4" LESS THAN DISTANCE B. MEASURE FROM THE CENTER OF THE MOTORCYCLE RIM TO THE OUTSIDE OF THE SIDECAR WHEEL.

SIDECAR WHEEL LEAD:

THE DISTANCE THE SIDECAR AXEL LEADS THE REAR AXEL OF THE MOTORCYCLE SHOULD BE 8" TO 14".

NOTE: MOUNT AS FAR BACK AS THE BRACKETS WILL ALLOW.

LEAN OUT:

LOAD THE MOTORCYCLE AND SIDECAR WITH THE NORMAL AMOUNT OF WEIGHT TO BE CARRIED. LEAN THE BIKE OUT FROM THE SIDECAR APPROX. 1/8".

FRAME HEIGHT:

DISTANCE FROM BOTTOM OF FRAME TO GROUND.

FS I - II - III :

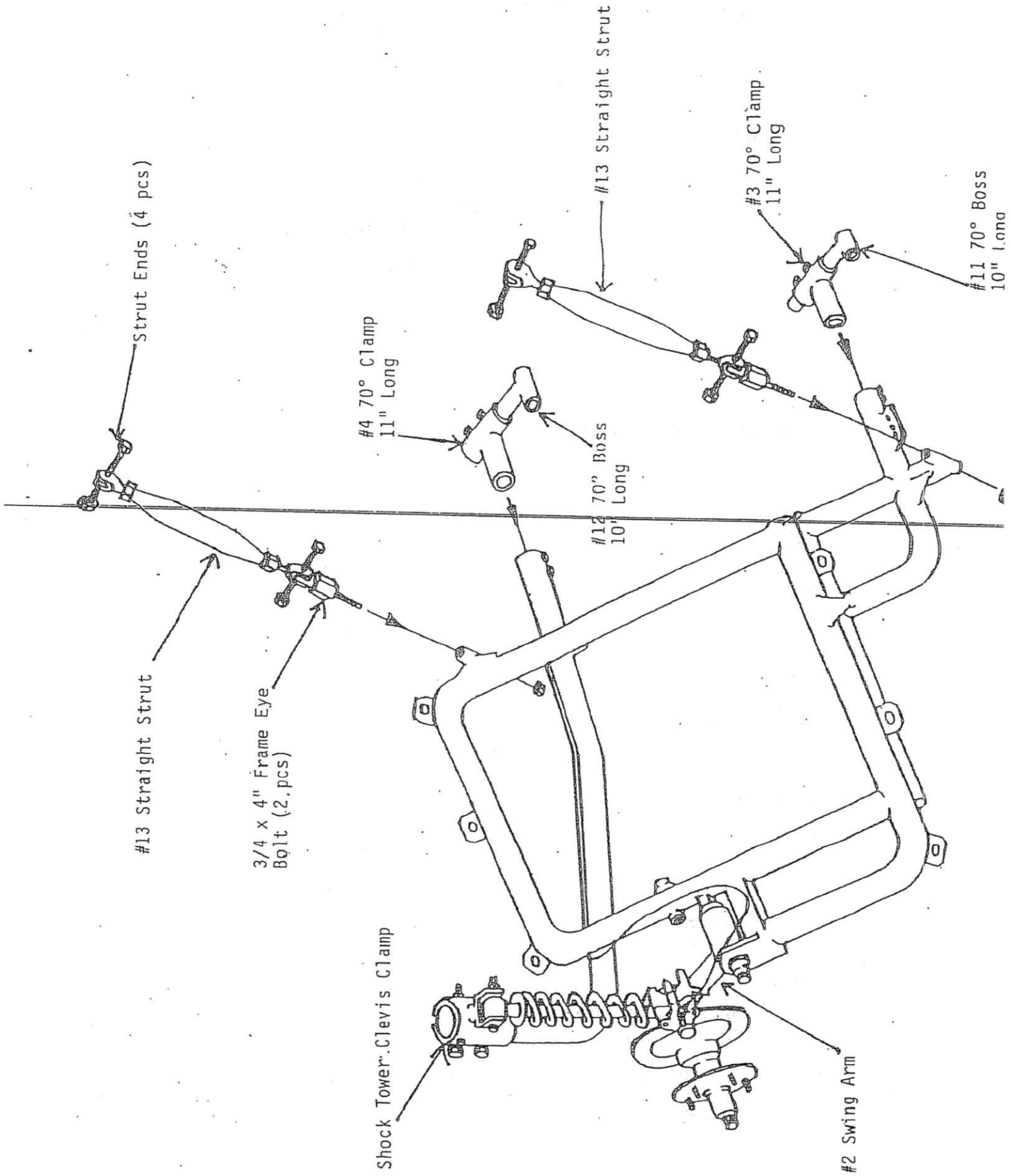
APPROX. 9" FRONT
APPROX. 10" REAR

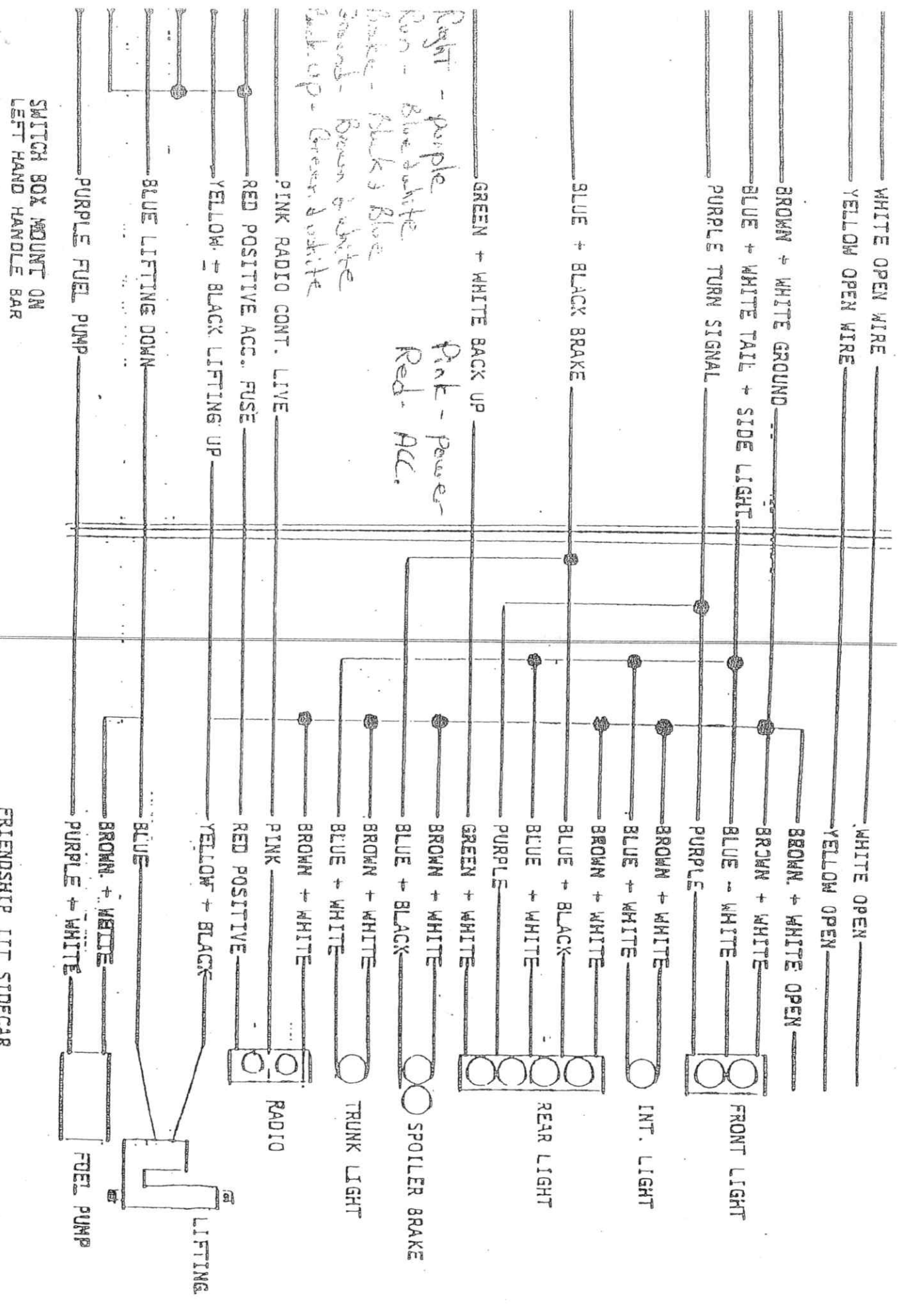
COMPANION GT:

APPROX. 9 1/2 " FRONT
APPROX. 10" REAR

NOTE: WHEN SETTING FRAME HEIGHT WITH ELECTRIC LEAN ON FRIENDSHIP II & III HAVE AT LOWEST POSITION. ON FRIENDSHIP I AND COMPANION GT HAVE ELECTRIC LEAN EXTENDED OUT 1".

FRAME ASSEMBLY





SWITCH BOX MOUNT ON
LEFT HAND HANDLE BAR

FRIENDSHIP IIT STIDECAR
FRIENDSHIP II SE