



**Jim Blackaby purchased B11HM (a 1936 41/4L Derby Bentley) in the mid 1970's in very poor condition. It is a unique and very attractive 2 door saloon by Vanden Plas. As time permitted, Jim removed the body and, in the late 1970's, began restoration of the chassis. He never completed the restoration and sold the car in the late 1980's. The restoration was beautifully completed by Alpine Eagle in Clanfield, England.**

**Jim documented chassis disassembly with isometric projection drawings showing how all the parts in each sub-assembly went together. Chassis complexity required 102 of these drawings. Jim's training as an aeronautical engineer helped provide him the skills that made these drawings possible. They are beautifully executed with every fastener documented!**

**We all owe Jim a profound debt of gratitude.**

**I am currently re-assembling the chassis of my 1938 41/4L (B138LS) and, in spite of notes taken and a fotografic record kept, these drawings have been invaluable. While earlier and later chassis differed from B11HM, the vast majority of these drawings will be useful whatever the chassis date. Once knowledge of the value of these drawings circulates among Derby Bentley owners, I believe they will give impitus to the re-assembly of chassis long ago taken apart and give current owners the courage to make needed repairs they have been too timid to undertake.**

**Neal Kirkham**

# 4 1/4 Litre Bentley – Chassis Assembly Details

## 1936 – Chassis B 11 HM

### 2-Door Saloon – Body by Vanden Plas

|                                                                   |                                              |
|-------------------------------------------------------------------|----------------------------------------------|
| Accelerator pedal details.....                                    | S40                                          |
| Apron support, aluminum.....                                      | S35                                          |
| Axle details, front.....                                          | S14, S29, S30, S33, S74, S82                 |
| Axle details, rear.....                                           | S33, S63, S76                                |
| Axle/shock damper connector arm.....                              | S29, S30                                     |
| Axle, front with chassis lube system.....                         | S14, S29                                     |
| Axle, front brake lever assembly.....                             | S82                                          |
| Axle over-travel bumpers, front & rear.....                       | S33                                          |
| Battery box install.....                                          | S57                                          |
| Body support brackets.....                                        | S31, S32                                     |
| Bonnet latch details.....                                         | S34                                          |
| Brake rod/lever details.....                                      | S6, S8, S22, S47, S55, S56,                  |
| .....                                                             | S63, S64, S67, S82, S93, S94                 |
| Brakes.....                                                       | S22, S55, S59, S60, S61, S62, S63, S64, S65, |
| .....                                                             | S66, S67, S82, S89, S92, S93, S94, S95       |
| Brake cable hangars.....                                          | S22                                          |
| Brake/clutch pedal & shaft.....                                   | S47, S54                                     |
| Brake equalizers.....                                             | S55, S56, S67                                |
| Brakes, front.....                                                | S64, S65, S82                                |
| Brakes, rear.....                                                 | S59, S60, S61, S62, S63                      |
| Brake light switch.....                                           | S89                                          |
| Brake servo details.....                                          | S92, S93, S94, S95                           |
| Bumper details, front.....                                        | S31, S88, S90                                |
| Bumper details, rear.....                                         | S80, S90, S102                               |
| Chassis lube.....                                                 | S2, S3, S4, S6, S7, S8, S13, S14,            |
| .....                                                             | S15, S24, S29, S30, S47, S48, S56,           |
| .....                                                             | S59, S63, S66, S68, S69, S75, S76, S93       |
| Chassis lube piping around clutch, gearbox and servo housing..... | S7                                           |
| Chassis lube system, top view rear axle.....                      | S8                                           |
| Chassis lube system, front axle.....                              | S14                                          |
| Clutch/brake pedal & shaft.....                                   | S47, S54                                     |
| Coil installation.....                                            | S101                                         |
| Control rods/levers.....                                          | S17, S18, S19, S20, S70, S71, S72            |
| Control rods through steering column.....                         | S17, S18                                     |
| Cross bar, brake equalizer.....                                   | S55                                          |
| Cross bar, rear shock support.....                                | S57                                          |
| Cross member, gear box.....                                       | S23                                          |
| Cross member, rear main.....                                      | S24                                          |
| Distributor installation.....                                     | S101                                         |
| Driveshaft, rear connection.....                                  | S101                                         |
| Engine and gearbox supports.....                                  | S23, S25, S26, S27, S28, S38, S43, S44, S45  |



|                                                            |                                                                                    |
|------------------------------------------------------------|------------------------------------------------------------------------------------|
| Engine motion damper, left.....                            | S37                                                                                |
| Engine motion damper, right .....                          | S38                                                                                |
| Engine mount.....                                          | S26, S28, S43, S44, S45                                                            |
| Fan assembly.....                                          | S98, S99                                                                           |
| Fender/running board brackets .....                        | S15, S41, S42, S49, S50, S87                                                       |
| Firewall to body assembly details.....                     | S1, S39                                                                            |
| Firewall/floor board bracket .....                         | S39, S40                                                                           |
| Firewall fittings from driver's side .....                 | S9                                                                                 |
| Firewall legends for drawings .....                        | S10, S11, S12                                                                      |
| Floor board support, right & left.....                     | S36, S39, S40                                                                      |
| Frame details .....                                        | S6, S15, S23, S24, S26, S27, S28, S31, S36, S39, S40, S57, S69, S75, S78, S80, S96 |
| Frame details, brake rods .....                            | S6                                                                                 |
| Frame assembly details, right .....                        | S2, S3, S6, S16                                                                    |
| Frame assembly details, left.....                          | S4, S5, S6, S13, S55                                                               |
| Frame, right front end (left is similar) .....             | S16                                                                                |
| Front ball joint assembly.....                             | S21                                                                                |
| Fuel line details .....                                    | S3, S84                                                                            |
| Fuel tank/filter details .....                             | S79, S84                                                                           |
| Fuel filter.....                                           | S84                                                                                |
| Fuel pump assembly base .....                              | S46                                                                                |
| Gearbox details .....                                      | S97                                                                                |
| Gearbox cross member .....                                 | S23                                                                                |
| Gearbox support assembly .....                             | S25                                                                                |
| Handbrake install and details .....                        | S48, S51                                                                           |
| Handbrake lever details.....                               | S51                                                                                |
| Headlamp bracket, fender bracket, cross-bar assembly ..... | S15                                                                                |
| Horn mount .....                                           | S83                                                                                |
| Lamp installation, head, spot & tail .....                 | S15, S81, S90                                                                      |
| Legends for firewall fittings.....                         | S10, S11, S12                                                                      |
| License plate holder .....                                 | S90                                                                                |
| Mixture control linkage.....                               | S19, S71                                                                           |
| Oil filler, oil filter/line/pump .....                     | S85, S86, S91                                                                      |
| Oil filter.....                                            | S86                                                                                |
| Oil filler cap and assembly .....                          | S85                                                                                |
| Oil pump installation.....                                 | S91                                                                                |
| Pedal details: accelerator, brake, clutch.....             | S7, S40, S47, S54, S89, S95                                                        |
| Radiator mount.....                                        | S26, S27, S28                                                                      |
| Radiator support.....                                      | S28                                                                                |
| Rear body support assemblies.....                          | S32                                                                                |
| Rear fender running board support assembly .....           | S49                                                                                |
| Rear main cross member.....                                | S24                                                                                |
| Ride control links.....                                    | S18, S72                                                                           |
| Running board bracket/supports .....                       | S41, S49, S50                                                                      |
| Shifter installation .....                                 | S96, S97                                                                           |
| Shock damper mount .....                                   | S26, S27, S29, S30, S57, S58, S76                                                  |

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| Shock damper assembly.....                          | S26, S27, S29, S58                  |
| Shock support cross bar, rear .....                 | S57                                 |
| Side steering tube.....                             | S21                                 |
| Spark control linkage .....                         | S18, S71                            |
| Spring assembly details.....                        | S24, S73, S74, S75, S76, S77, S78   |
| Steering details.....                               | S21, S35, S68, S69                  |
| Steering box & arm.....                             | S68, S69                            |
| Steering arm .....                                  | S68                                 |
| Steering arm cover – aluminum .....                 | S35                                 |
| Steering column details.....                        | S18, S20, S52, S53                  |
| Steering column hanger assembly .....               | S52                                 |
| Steering column clamp, engine side of firewall..... | S53                                 |
| Stub axle, front.....                               | S65                                 |
| Throttle linkage.....                               | S18, S19, S70                       |
| Universals/driveshaft vibration damper.....         | S100, S101                          |
| Wheel/axle assembly, front.....                     | S65, S66, S68                       |
| Wiring conduit .....                                | S2, S3, S4, S13, S15, S18, S24, S39 |

# 4 1/4 Litre Bentley – Chassis Assembly Details

## 1936 – Chassis B 11 HM

### 2-Door Saloon – Body by Vanden Plas

|                                                                   |                                                                                                                   |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Accelerator pedal details.....                                    | S40                                                                                                               |
| Apron support, aluminum.....                                      | S35                                                                                                               |
| Axle details, front.....                                          | S14, S29, S30, S33, S74, S82                                                                                      |
| Axle details, rear.....                                           | S33, S63, S76                                                                                                     |
| Axle/shock damper connector arm.....                              | S29, S30                                                                                                          |
| Axle, front with chassis lube system.....                         | S14, S29                                                                                                          |
| Axle, front brake lever assembly.....                             | S82                                                                                                               |
| Axle over-travel bumpers, front & rear.....                       | S33                                                                                                               |
| Battery box install.....                                          | S57                                                                                                               |
| Body support brackets.....                                        | S31, S32                                                                                                          |
| Bonnet latch details.....                                         | S34                                                                                                               |
| Brake rod/lever details.....                                      | S6, S8, S22, S47, S55, S56,<br>S63, S64, S67, S82, S93, S94                                                       |
| Brakes.....                                                       | S22, S55, S59, S60, S61, S62, S63, S64, S65,<br>S66, S67, S82, S89, S92, S93, S94, S95                            |
| Brake cable hangars.....                                          | S22                                                                                                               |
| Brake/clutch pedal & shaft.....                                   | S47, S54                                                                                                          |
| Brake equalizers.....                                             | S55, S56, S67                                                                                                     |
| Brakes, front.....                                                | S64, S65, S82                                                                                                     |
| Brakes, rear.....                                                 | S59, S60, S61, S62, S63                                                                                           |
| Brake light switch.....                                           | S89                                                                                                               |
| Brake servo details.....                                          | S92, S93, S94, S95                                                                                                |
| Bumper details, front.....                                        | S31, S88, S90                                                                                                     |
| Bumper details, rear.....                                         | S80, S90, S102                                                                                                    |
| Chassis lube.....                                                 | S2, S3, S4, S6, S7, S8, S13, S14,<br>S15, S24, S29, S30, S47, S48, S56,<br>S59, S63, S66, S68, S69, S75, S76, S93 |
| Chassis lube piping around clutch, gearbox and servo housing..... | S7                                                                                                                |
| Chassis lube system, top view rear axle.....                      | S8                                                                                                                |
| Chassis lube system, front axle.....                              | S14                                                                                                               |
| Clutch/brake pedal & shaft.....                                   | S47, S54                                                                                                          |
| Coil installation.....                                            | S101                                                                                                              |
| Control rods/levers.....                                          | S17, S18, S19, S20, S70, S71, S72                                                                                 |
| Control rods through steering column.....                         | S17, S18                                                                                                          |
| Cross bar, brake equalizer.....                                   | S55                                                                                                               |
| Cross bar, rear shock support.....                                | S57                                                                                                               |
| Cross member, gear box.....                                       | S23                                                                                                               |
| Cross member, rear main.....                                      | S24                                                                                                               |
| Distributor installation.....                                     | S101                                                                                                              |
| Driveshaft, rear connection.....                                  | S101                                                                                                              |
| Engine and gearbox supports.....                                  | S23, S25, S26, S27, S28, S38, S43, S44, S45                                                                       |

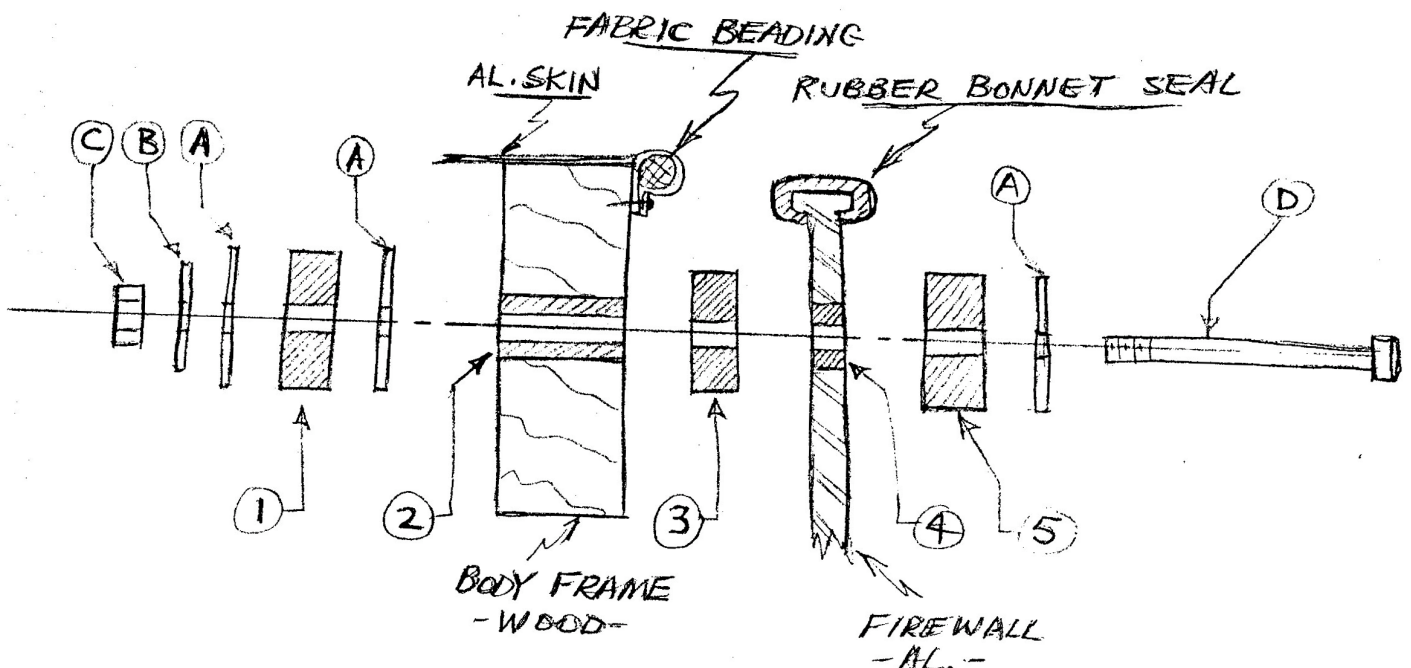
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|------------------------------------------------------------|------------------------------------------------------------------------------------|
| Engine motion damper, left.....                            | S37                                                                                |
| Engine motion damper, right .....                          | S38                                                                                |
| Engine mount.....                                          | S26, S28, S43, S44, S45                                                            |
| Fan assembly.....                                          | S98, S99                                                                           |
| Fender/running board brackets .....                        | S15, S41, S42, S49, S50, S87                                                       |
| Firewall to body assembly details.....                     | S1, S39                                                                            |
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| Floor board support, right & left.....                     | S36, S39, S40                                                                      |
| Frame details .....                                        | S6, S15, S23, S24, S26, S27, S28, S31, S36, S39, S40, S57, S69, S75, S78, S80, S96 |
| Frame details, brake rods .....                            | S6                                                                                 |
| Frame assembly details, right .....                        | S2, S3, S6, S16                                                                    |
| Frame assembly details, left.....                          | S4, S5, S6, S13, S55                                                               |
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| Gearbox cross member .....                                 | S23                                                                                |
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| Headlamp bracket, fender bracket, cross-bar assembly ..... | S15                                                                                |
| Horn mount .....                                           | S83                                                                                |
| Lamp installation, head, spot & tail .....                 | S15, S81, S90                                                                      |
| Legends for firewall fittings.....                         | S10, S11, S12                                                                      |
| License plate holder .....                                 | S90                                                                                |
| Mixture control linkage.....                               | S19, S71                                                                           |
| Oil filler, oil filter/line/pump .....                     | S85, S86, S91                                                                      |
| Oil filter.....                                            | S86                                                                                |
| Oil filler cap and assembly .....                          | S85                                                                                |
| Oil pump installation.....                                 | S91                                                                                |
| Pedal details: accelerator, brake, clutch.....             | S7, S40, S47, S54, S89, S95                                                        |
| Radiator mount.....                                        | S26, S27, S28                                                                      |
| Radiator support.....                                      | S28                                                                                |
| Rear body support assemblies.....                          | S32                                                                                |
| Rear fender running board support assembly .....           | S49                                                                                |
| Rear main cross member.....                                | S24                                                                                |
| Ride control links.....                                    | S18, S72                                                                           |
| Running board bracket/supports .....                       | S41, S49, S50                                                                      |
| Shifter installation .....                                 | S96, S97                                                                           |
| Shock damper mount .....                                   | S26, S27, S29, S30, S57, S58, S76                                                  |



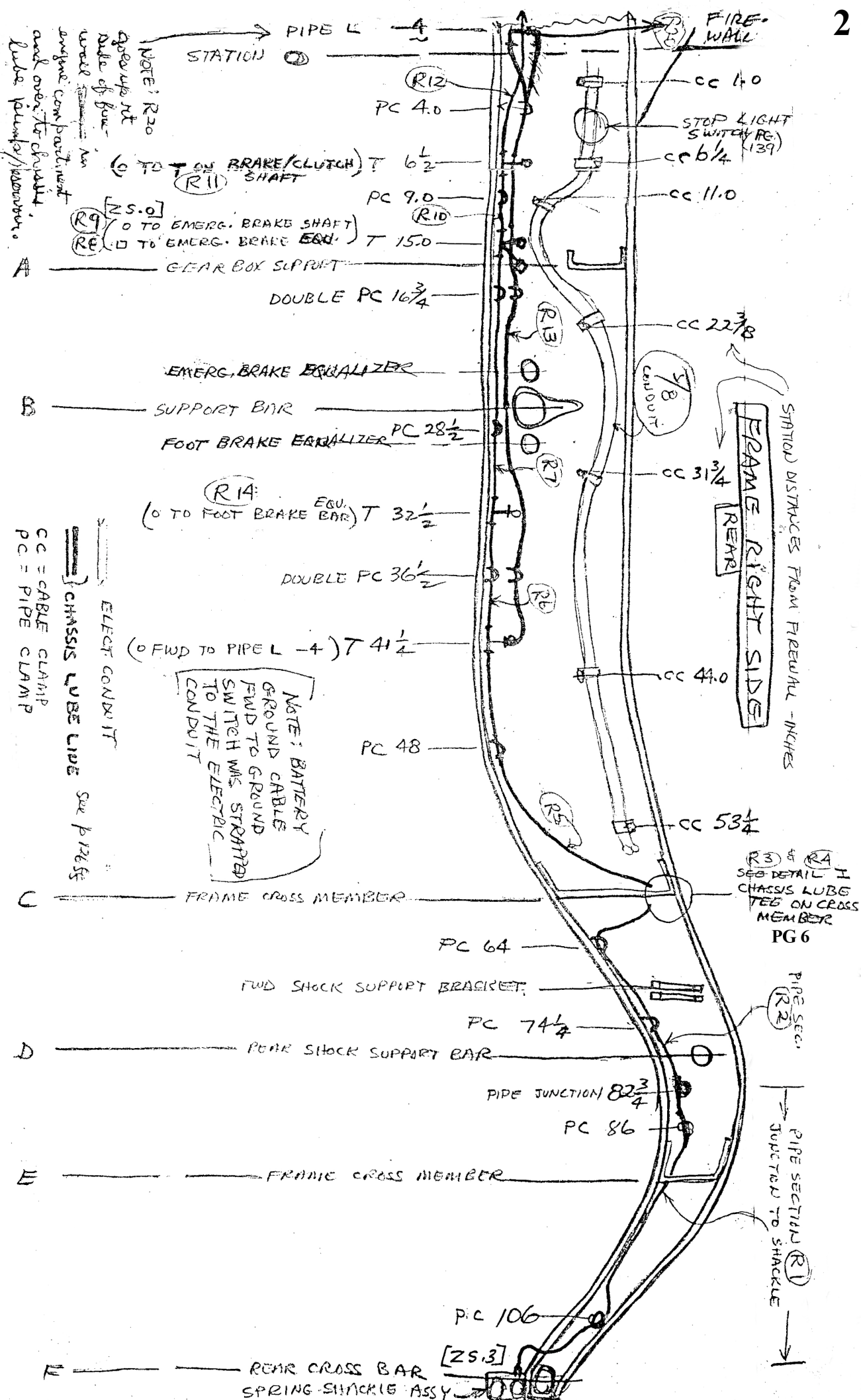
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| Shock damper assembly.....                          | S26, S27, S29, S58                  |
| Shock support cross bar, rear .....                 | S57                                 |
| Side steering tube.....                             | S21                                 |
| Spark control linkage .....                         | S18, S71                            |
| Spring assembly details.....                        | S24, S73, S74, S75, S76, S77, S78   |
| Steering details.....                               | S21, S35, S68, S69                  |
| Steering box & arm.....                             | S68, S69                            |
| Steering arm .....                                  | S68                                 |
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| Steering column hanger assembly .....               | S52                                 |
| Steering column clamp, engine side of firewall..... | S53                                 |
| Stub axle, front.....                               | S65                                 |
| Throttle linkage.....                               | S18, S19, S70                       |
| Universals/driveshaft vibration damper.....         | S100, S101                          |
| Wheel/axle assembly, front.....                     | S65, S66, S68                       |
| Wiring conduit .....                                | S2, S3, S4, S13, S15, S18, S24, S39 |

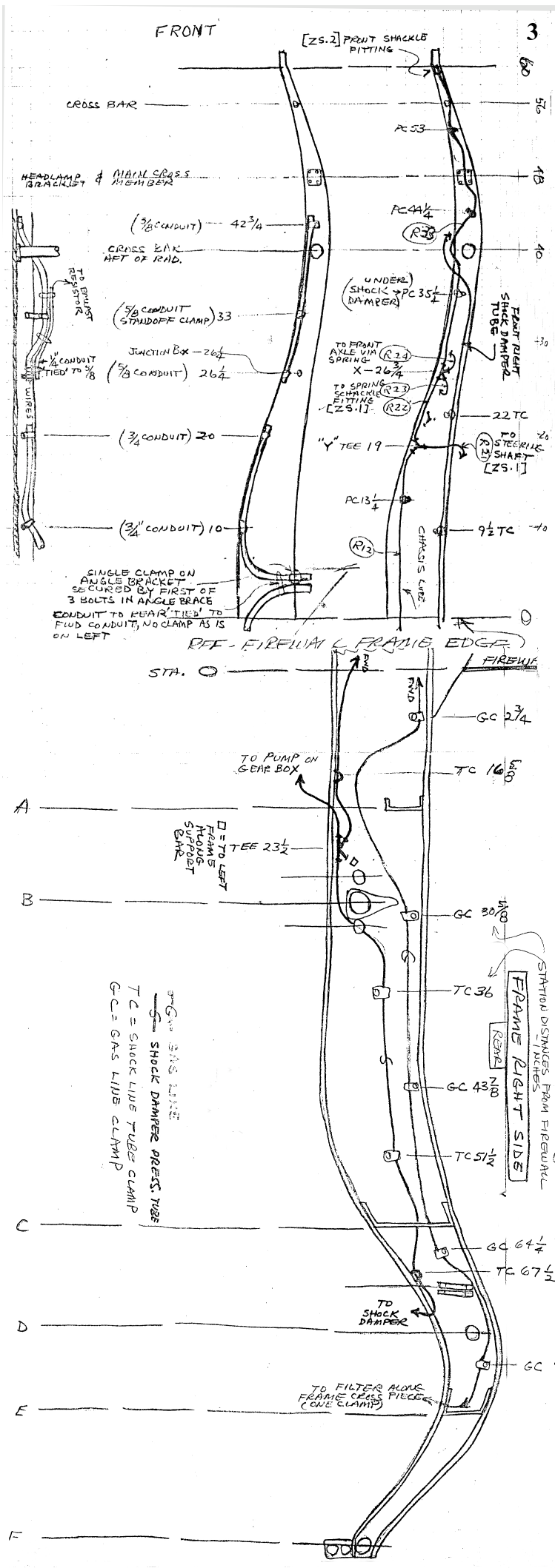
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|------------------------------------|---------------------------------------------------------------------------------------------------------|
| AXLE ASS'Y DETAILS, FRONT          | 36, 64, 65, 68, 112, 120                                                                                |
| AXLE ASS'Y DETAILS, REAR           | 68, 101a, 114                                                                                           |
| BATTERY BOX INSTALL.               | 95                                                                                                      |
| BODY SUPPORT BRACKETS              | 66, 67                                                                                                  |
| BONNET LATCH DETAILS               | 69                                                                                                      |
| BRAKE ROD/LEVER DETAILS            | 27, 31, 48, 84, 93, 94, 101, 101a, 102, 105, 120, 147, 148                                              |
| BRAKES                             | 97-104, 120                                                                                             |
| BRAKE SERVO DETAILS                | 146-149                                                                                                 |
| BUMPER DETAILS, FRONT              | 66, 138, 140                                                                                            |
| BUMPER DETAILS, REAR               | 118, 140, 163                                                                                           |
| CHASSIS LUBE SYS. DETAILS          | { 23, 24, 25, 27, 30, 31, 35, 36, 40, 59, 64, 65, 84, 85, 93, 94, 97, 101, 104, 106, 107, 113, 114, 147 |
| CELL INSTALL.                      | 159                                                                                                     |
| CENTRAL LEVERS                     | 44-46, 108-110, 142                                                                                     |
| DISTRIBUTOR INSTALL.               | 159                                                                                                     |
| ENGINE & GEARBOX SUPPORTS          | 49, 60-63, 74, 75, 80-82                                                                                |
| FAN ASS'Y                          | 156, 157                                                                                                |
| FENDER/RUNNING BOARD BRACKETS      | 40, 78, 79, 86, 87                                                                                      |
| FIREWALL DETAILS                   | 76, 77, 82, 83, 83a, 84, 27, 40, 49, 59, 61, 62, 63, 68, 73, 76, 77, 95, 107, 113, 116, 118, 135, 154   |
| FRAME ASS'Y DETAILS                | 77, 95, 107, 113, 116, 118, 135, 154                                                                    |
| FUEL LINE DETAILS                  | 24, 122                                                                                                 |
| FUEL TANK / FILTER INSTALL.        | 117, 122                                                                                                |
| HANDBRAKE INSTALL & DETAILS        | 85, 88                                                                                                  |
| HORN MOUNT                         | 121                                                                                                     |
| LAMP INSTALL. / HEAD, SPOT, TAIL   | 40, 40a, 119, 140                                                                                       |
| OIL FILLER, OIL FILTER/LINE/PUMP   | 123, 124, 144                                                                                           |
| PEDAL DETAILS: ACCEL./BRAKE/CLUTCH | 30, 77, 84, 91, 139, 149                                                                                |
| RADIATOR MOUNT                     | 40a, 61-63                                                                                              |
| SHIFTER INSTALL.                   | 154, 155                                                                                                |
| SHOCK DAMPER MOUNT                 | 61, 62, 64, 65, 95, 96, 114                                                                             |
| SPRING ASS'Y DETAILS               | 40a, 59, 111-116                                                                                        |
| STEERING ASS'Y DETAILS             | 47, 72, 106, 107                                                                                        |
| STEERING COLUMN DETAILS            | 44, 89, 90                                                                                              |
| UNIVERSALS/DRIVESHAFT VIB. DAMPER  | 158, 159                                                                                                |
| WHEEL/AXLE ASS'Y                   | 103, 104, 106                                                                                           |
| WIRING CONDUIT                     | 23, 25, 35, 35a, 40, 44, 59, 76, 131                                                                    |

# FIREWALL-TO-BODY ASSEMBLY DETAIL (4 PLACES ON B II HM)

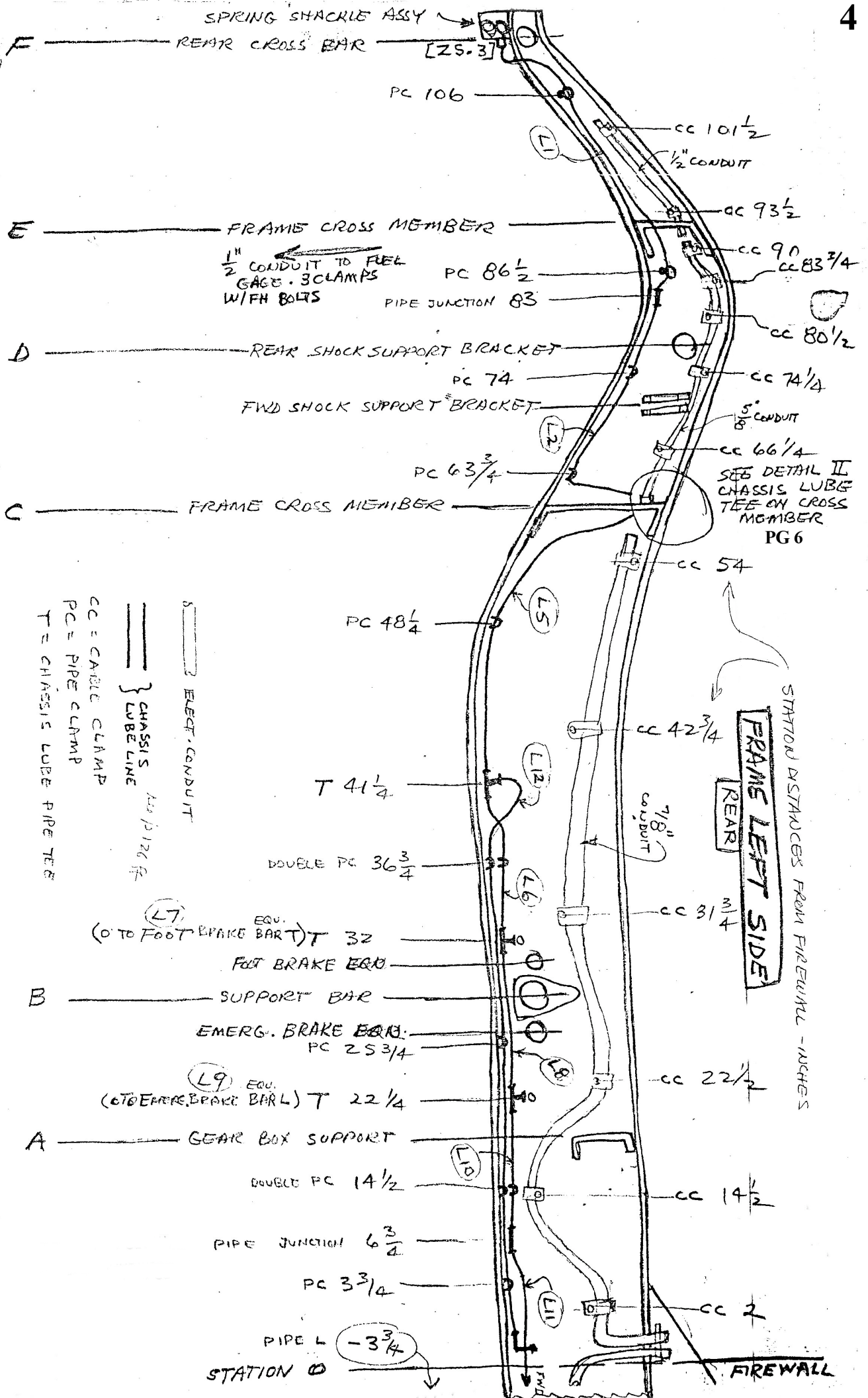


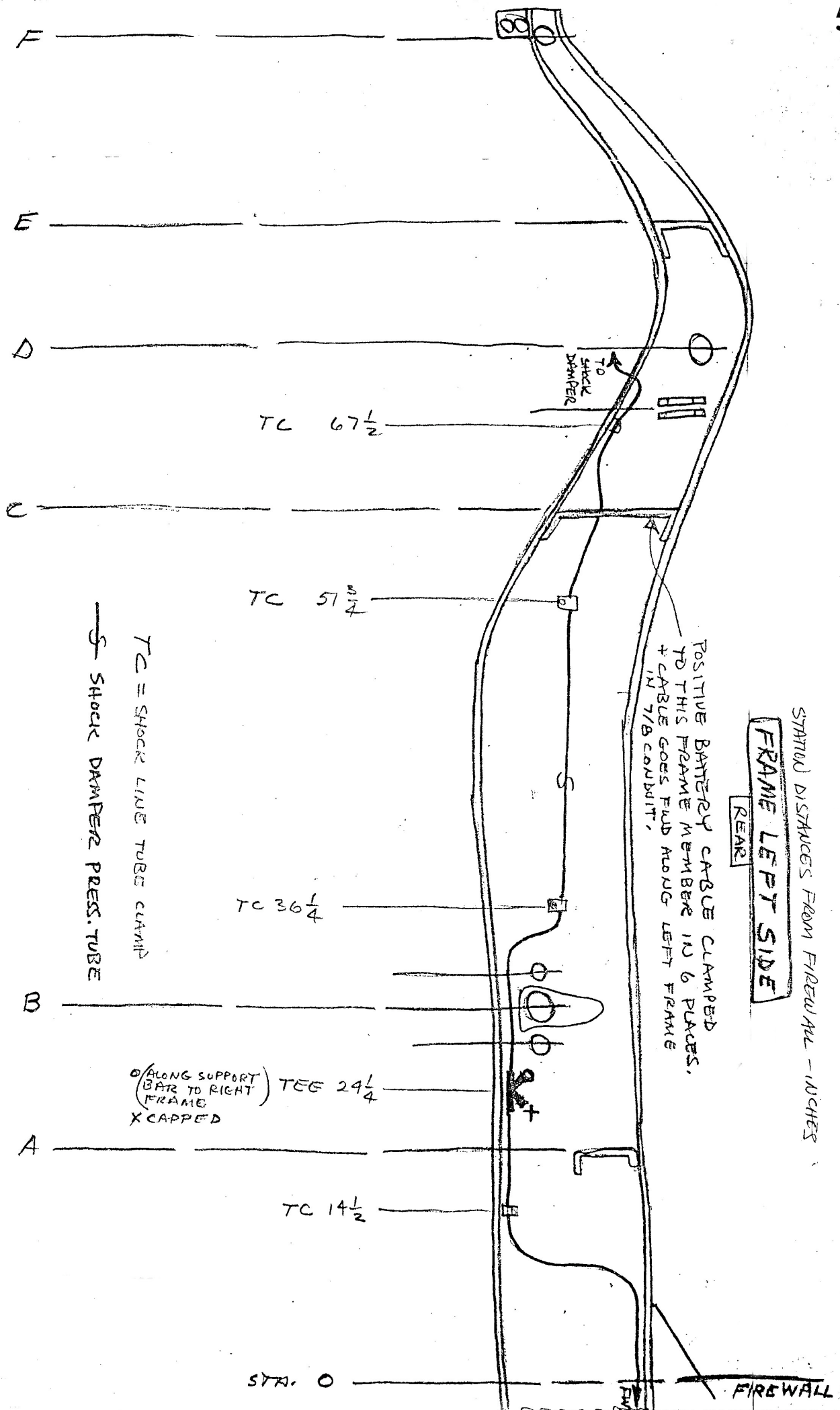
- (A) STEEL WASHERS  $\sim 1''$  OD (3 REQ'D)
  - (B) SPECIAL NUT:  $\frac{1}{4}$ -26 BS;  $\frac{7}{16}$  BS WRENCH SIZE;  $\frac{1}{8}''$  THICK
  - (C) REGULAR HEX NUT:  $\frac{1}{4}$ -26 BS
  - (D)  $\frac{1}{4}$ -26 BS X  $3\frac{1}{4}''$  LONG, CHEESE HEAD BOLT
- 
- ① RUBBER PAD,  $\sim 1\frac{1}{8}''$  OD X  $\frac{1}{2}''$  THICK
  - ② RUBBER INSERT  $\sim \frac{5}{8}''$  OD X FRAME THICKNESS
  - ③ RUBBER PAD  $\sim \frac{7}{8}''$  OD X  $\frac{5}{16}''$  THICK
  - ④ RUBBER INSERT  $\sim \frac{5}{8}''$  OD X FIREWALL THICKNESS
  - ⑤ RUBBER PAD  $\sim 1''$  OD X  $\frac{3}{8}''$  THICK

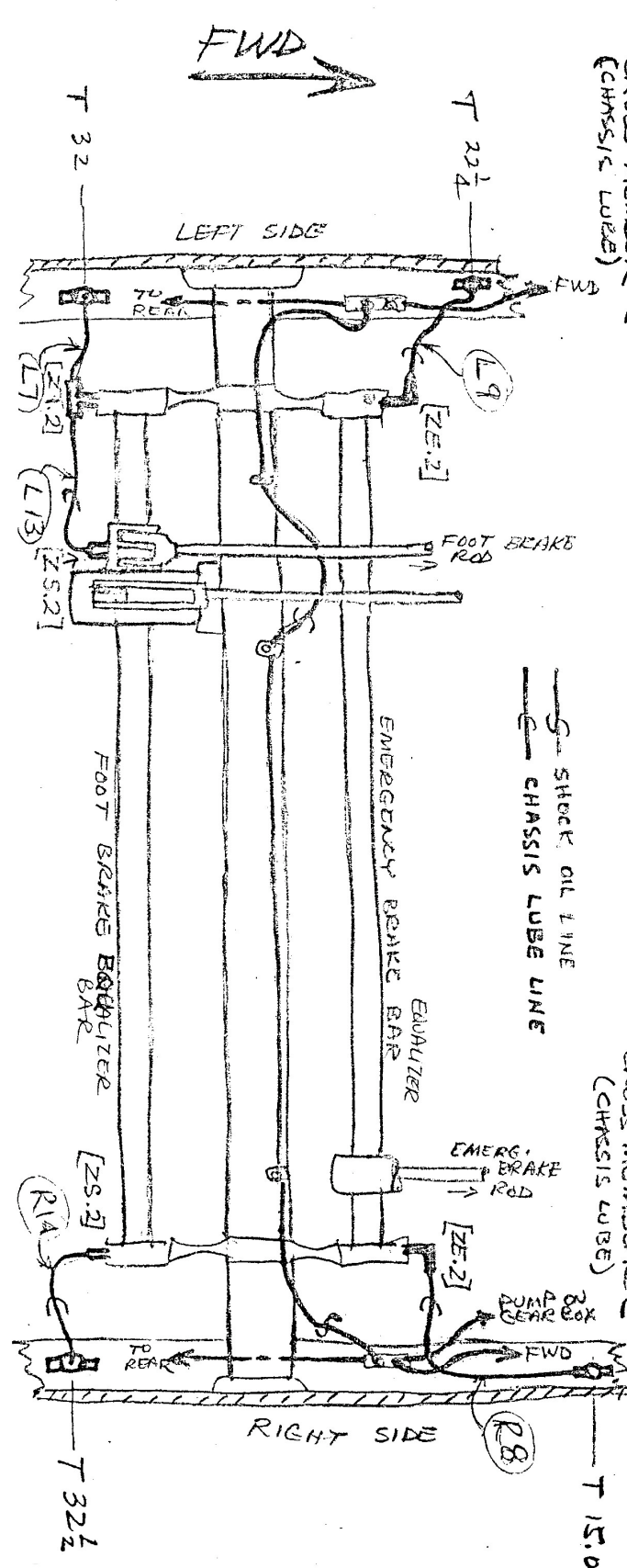
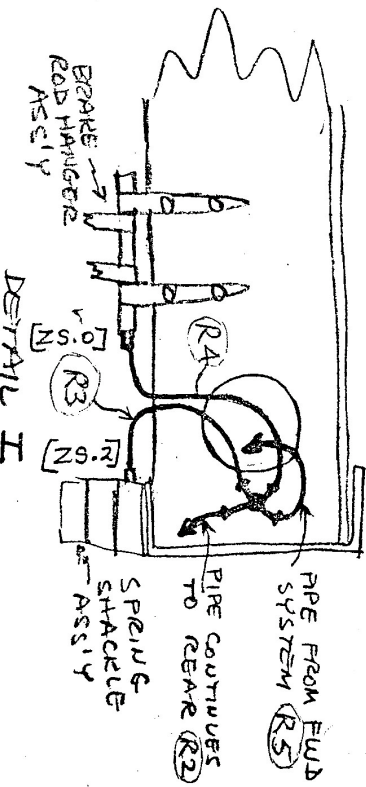
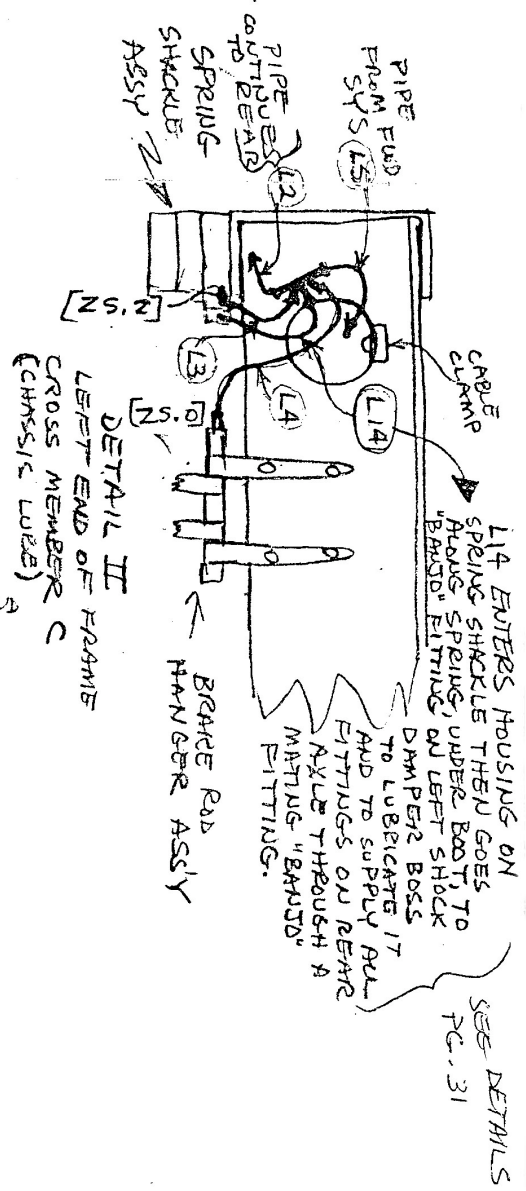






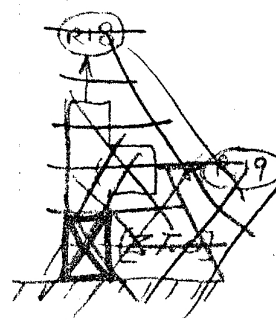
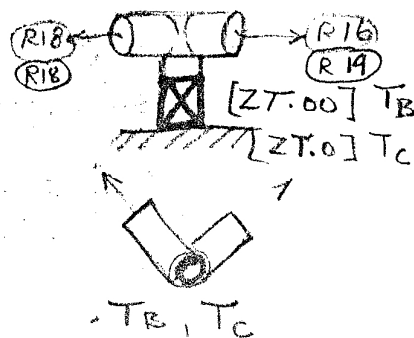
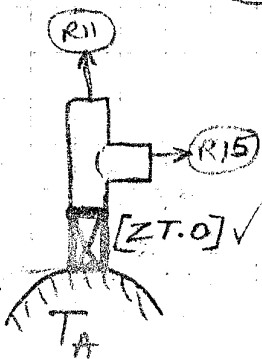
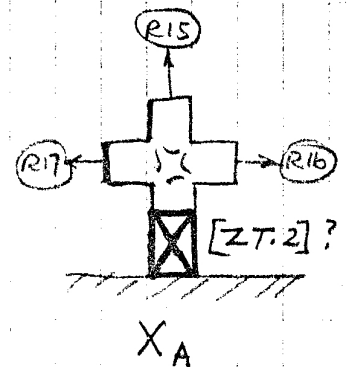
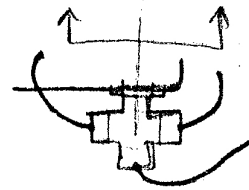
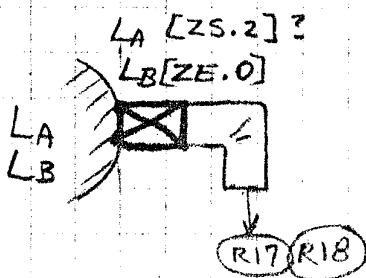
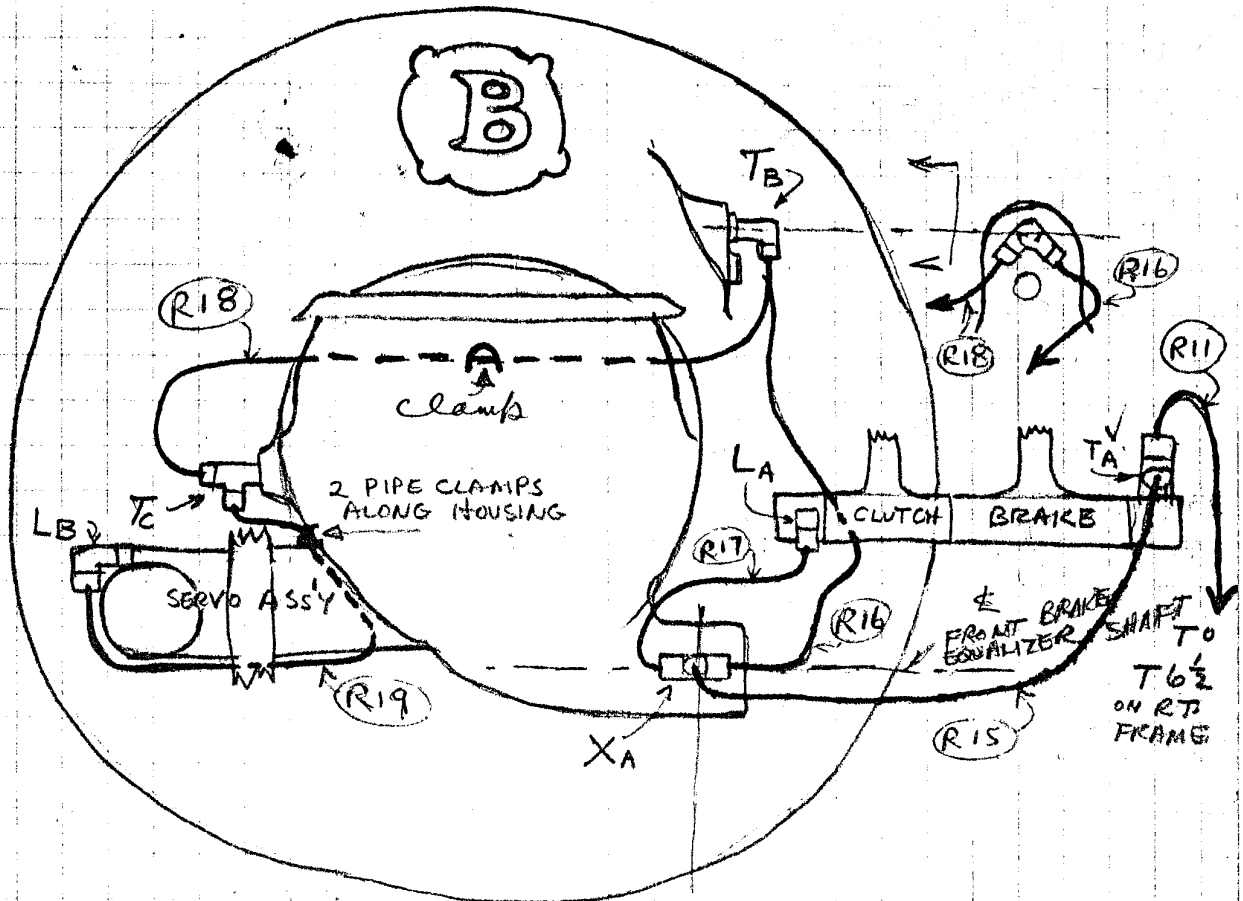








# CHASSIS LUBE PIPING AROUND CLUTCH, GEARBOX & SERVO HOUSINGS

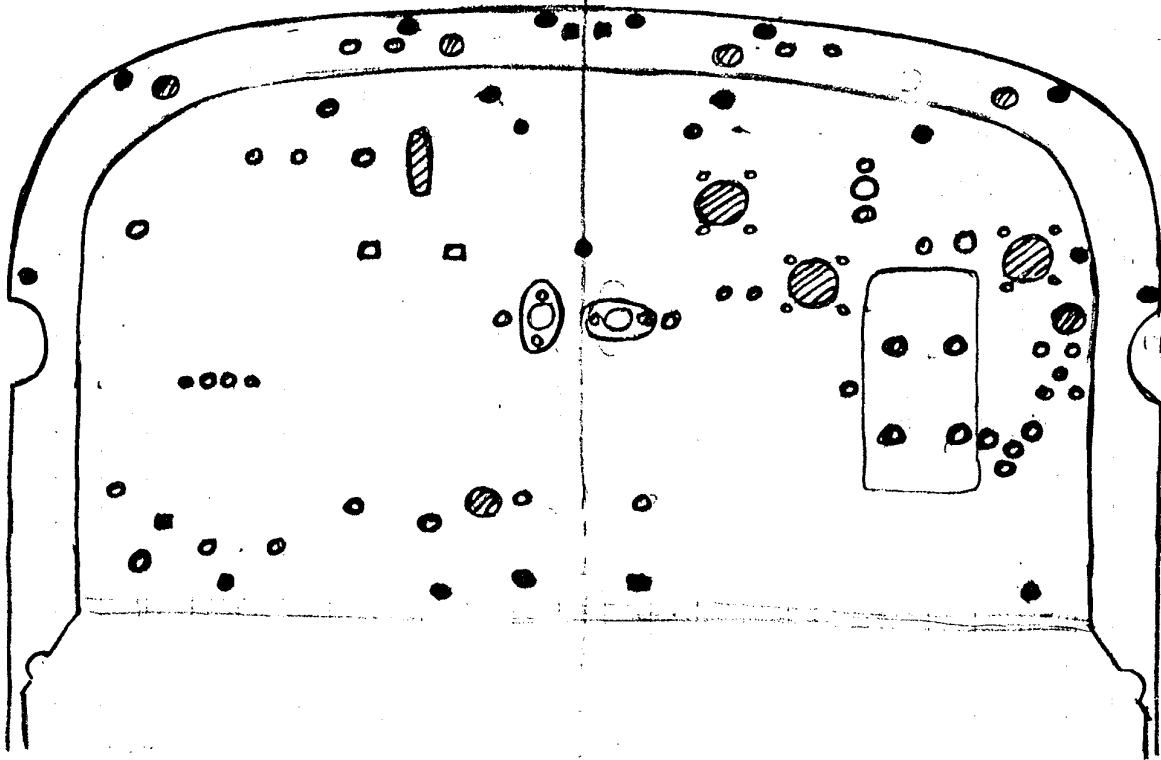


CHASSIS  
= LUBE  
FITTING



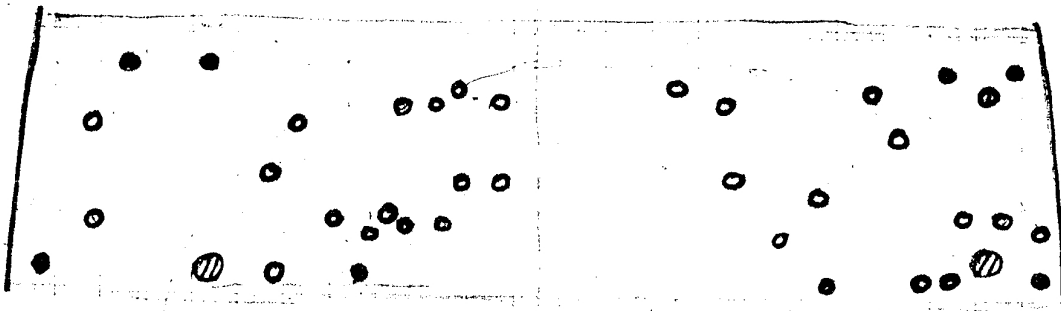
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9



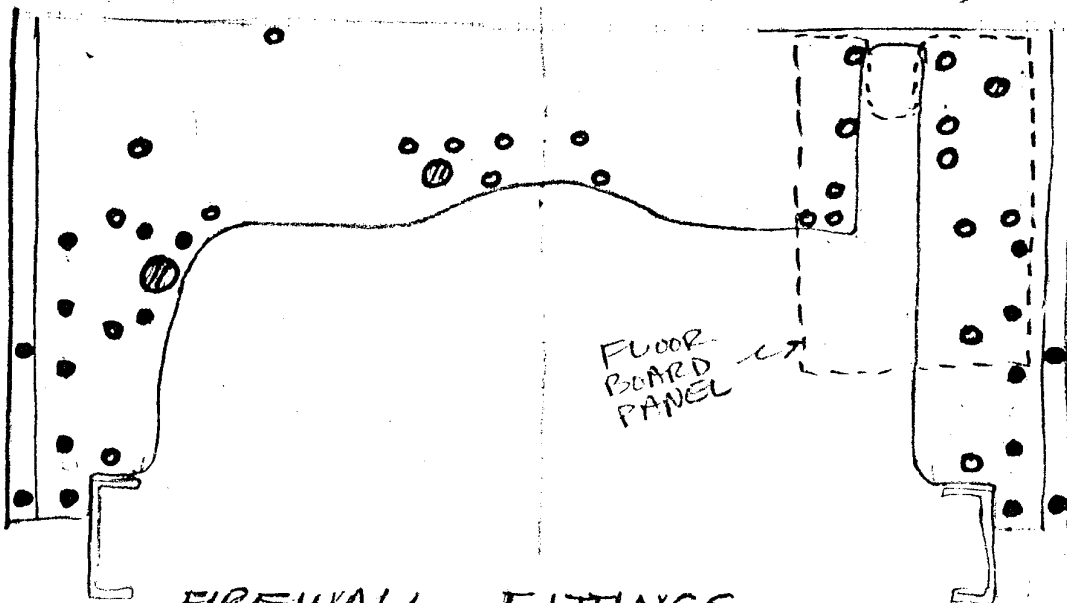
VERTICAL TOP

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M



SLANTED  
PORTION

a  
b  
c  
d  
e  
f



VERTICAL LOWER

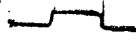
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x

FIREWALL FITTINGS  
FROM DRIVER'S SIDE

|                                                      |                               |                                                                             |
|------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------|
| C6, C7                                               | NUTS                          | SPRING CLIP                                                                 |
| B11, B16, C20, [B7] E24                              |                               | DOT STUDS (B7 STUD MISSING)                                                 |
| E8, E10                                              | SQ HDS                        | CHASSIS LUBE TANK                                                           |
| C8, K8                                               | HOLES                         | ?                                                                           |
| E3, L3                                               | HOLES                         | ?                                                                           |
| K3                                                   | HOLE                          | DOT STUD ?                                                                  |
| H4, H5, H6                                           | 2 METAL SCREWS                | CHARGING PLUG (4 HOLES)                                                     |
| K4                                                   | NUT                           | ?                                                                           |
| L5, L6                                               | NUTS                          | SPRING CLIP                                                                 |
| C12, C15                                             | SCREW HDS                     | VOLTAGE REGULATOR                                                           |
| E13                                                  | SCREW HD                      | (PROBABLY VOLTAGE REGULATOR)                                                |
| G11, G15, K12, K14                                   | NUTS                          | FUSE BOX                                                                    |
| F12, G12                                             | NUTS/FITTING                  | WIRING CONDUIT                                                              |
| G13, G14                                             | NUTS/FITTING                  | SWITCH WIRING CONDUIT                                                       |
| K10                                                  | NUT                           | CHASSIS LUBE FILTER BOWL                                                    |
| M10                                                  | BOLT HEAD/STANDOFF            | ?                                                                           |
| M5, A4, A6                                           | SQ HDS                        | WIRING CHANNEL, LEFT CORNER                                                 |
| M23, A22, A23                                        | SQ HDS                        | WIRING CHANNEL, RIGHT CORNER                                                |
| M12, M14                                             | SQ HDS                        | WIRING CHANNEL, CENTER PIECE                                                |
| F16, F17                                             | TAPPED HOLES                  | CLAMP FOR ?                                                                 |
| F18                                                  | FITTING W/4 TAPPED HOLES      | SPEEDO CABLE                                                                |
| D16                                                  | FITTING W/4 TAPPED HOLES      | FITTING MISSING?                                                            |
| E22/23                                               | FITTING W/4 TAPPED HOLES      | TACH CABLE                                                                  |
| C19, D19                                             | TUBE FITTING W/2 TAPPED HOLES | OIL PRESS LINE                                                              |
| H19                                                  | TAPPED HOLE                   | OIL PRESS. LINE CLAMP                                                       |
| G20, G21, I20, I21                                   | NUTS                          | STEERING COLUMN SUPPORT (UPPER)                                             |
| I22, I23, J22                                        | 4 HOLES                       | ?                                                                           |
| G23, G24, H23, H24                                   | 5 HOLES                       | (CENTER HOLE HAD 2 ADDED WIRES)<br>FOR FITTING ON ENGINE SIDE (WIPER MOTOR) |
| E20                                                  | NUT                           | SPARE POINTS BOX                                                            |
| E21                                                  | NUT ON STD                    | GROUND CONNECTION                                                           |
| K11                                                  | HOLE                          | WIRING                                                                      |
| G23/24                                               | HOLE                          | WINDSHIELD WIPER OPERATING FLEX CABLE                                       |
| A2, -14, -9, -17, B3, B23, F1, F25, U2, U24, X2, X24 |                               | CLIPS FOR RUBBER CHANNEL<br>AROUND FIREWALL - SCREW HEADS                   |
| -13                                                  | 2 SQ HDS                      | BONNET HINGE FITTING                                                        |
| A10, A16, B4, B22                                    | HOLES                         | BODY TO FIREWALL FITTINGS                                                   |
| S6, S23                                              | HOLES                         | HEATER TUBES                                                                |
| B, A9                                                | TAPPED HOLES                  | SPRING CLIP                                                                 |
| A17, A18                                             | TAPPED HOLES                  | SPRING CLIP                                                                 |

✓ WIRE CHANNEL P4 CSK SCREW HD P22 TAPPED HOLE

✓ TO DIMMER SWITCH { b10, b11 } THRU HOLES  
 { e10, e11 } NUTS INSIDE  
 { P10, P11 }



## CLAMPS, ASS'T

✓ R19 2 HOLES  SPEEDO CABLE THRU HOLE  
 e18 1 HOLE  TAPPED HOLE

✓ e9 2 STUDS <sup>W/"LOCK" NUTS INSIDE</sup>  TACH CABLE  
 b16 TAPPED HOLE 

## CHASSIS LUBE

✓ b11, b20, e24, R23, R6, c8 TAPPED HOLES

## FUEL LINE BRACKET

✓ f21, f22 THRU HOLES



## OIL PRESS LINE

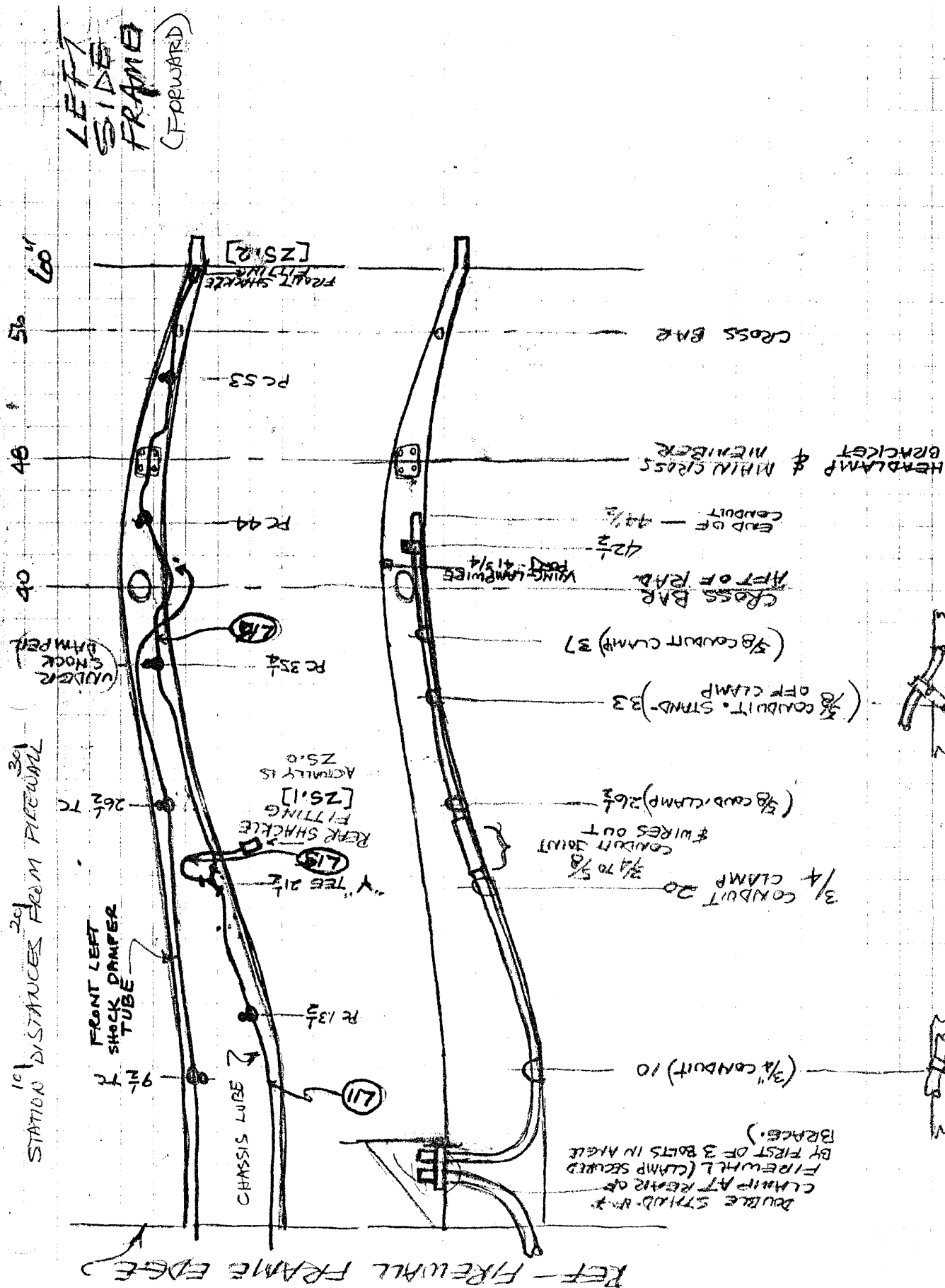
✓ d19, Q19 TAPPED HOLES  
 H19 ✓

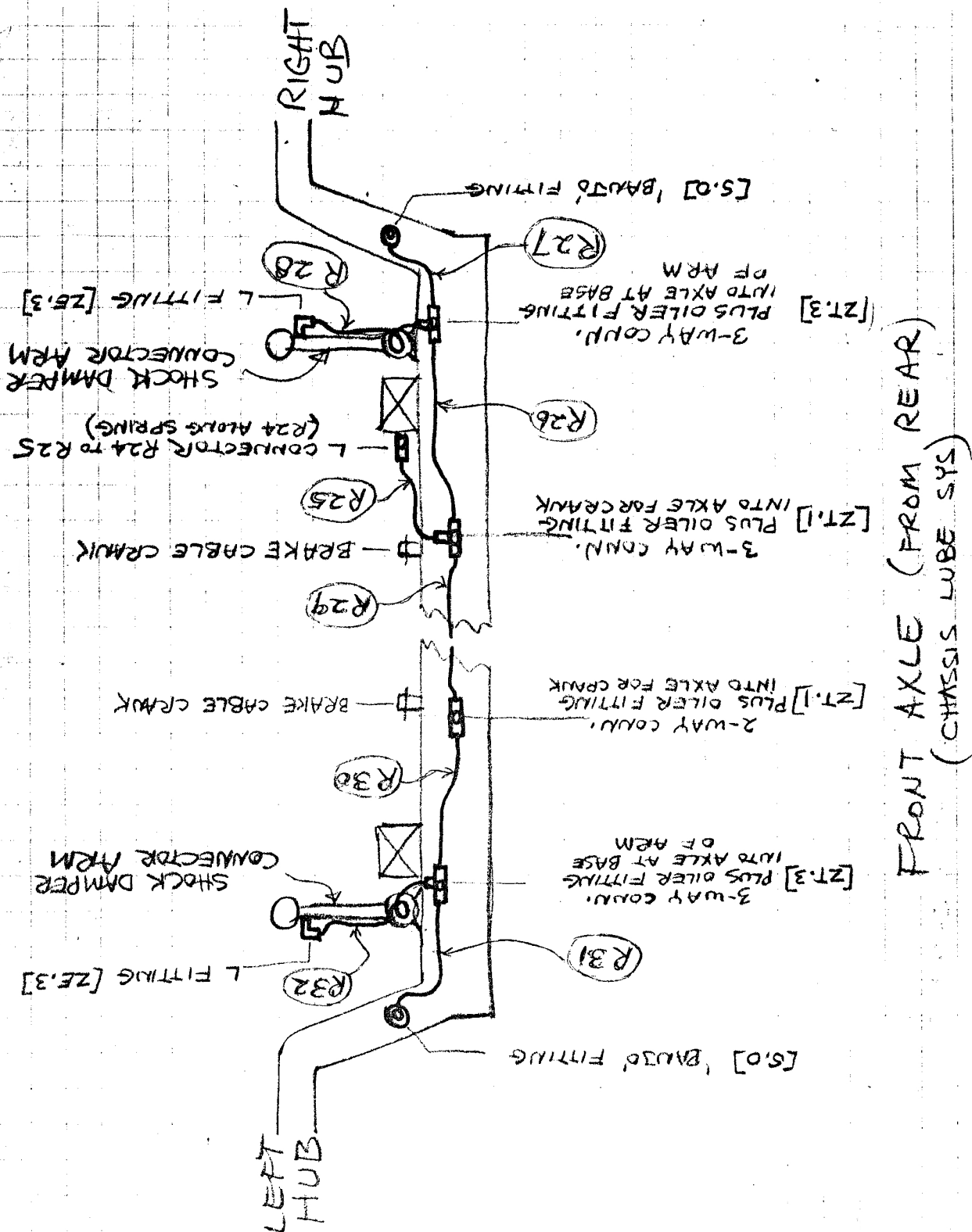
## UNSPECIFIED

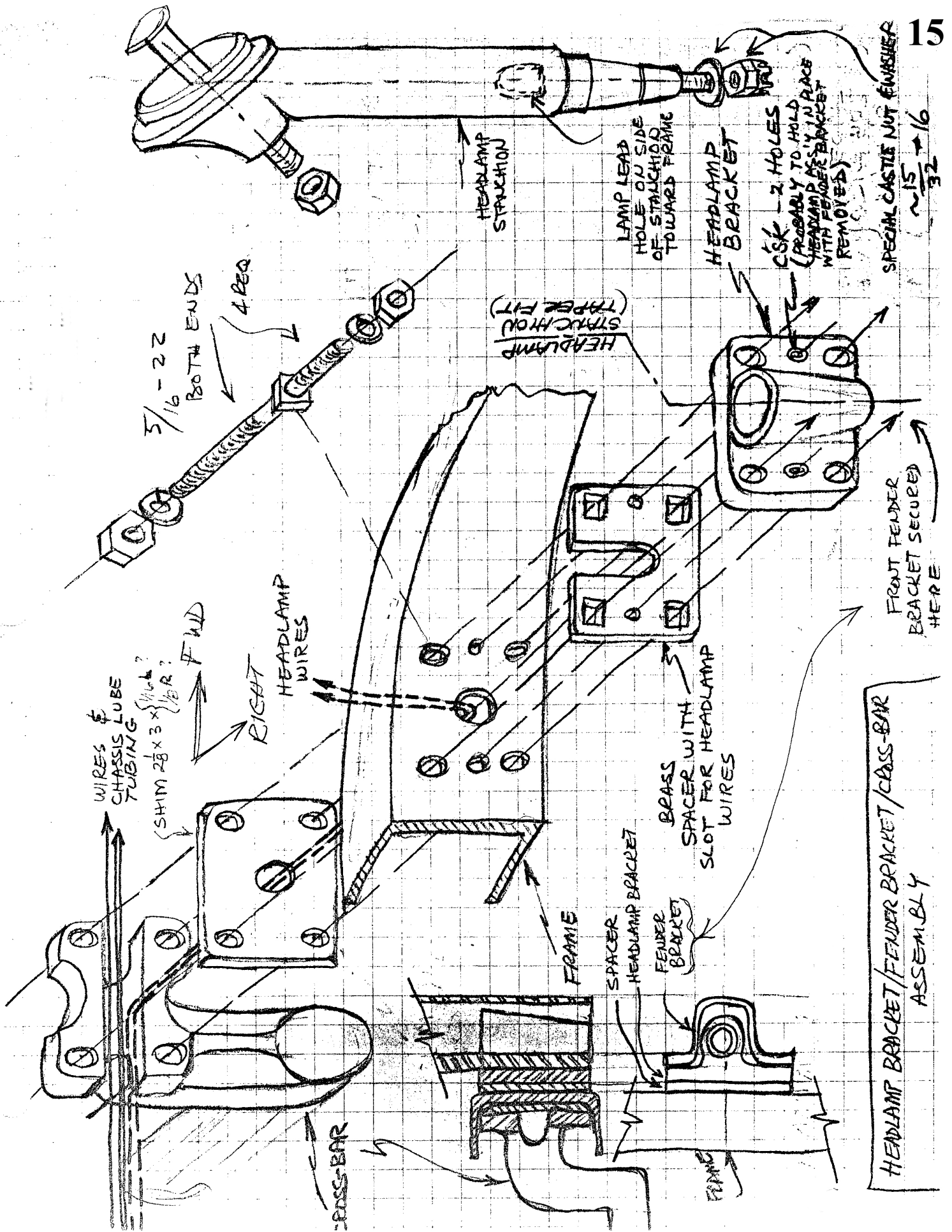
d11 TAPPED HOLE

✓ f2, f9, f24, (f19 HOLE) • DOT STUDS (f19 STUD MISSING) ✓  
 ✓ c3, e3 NUTS HAMMER BRACKET ✓  
 ✓ 7, f7, e10 NUTS (1 MISSING) JACK BRACKET ✓  
 ✓ b10, b11 NUTS WIRING CHANNEL CLAMPS (TO DIMMER SWITCH) ✓  
 c10, e11 NUTS " " " " ✓  
 ✓ P10, P11 NUTS " " " " ✓  
 ✓ e9 2 NUTS TACH CABLE CLAMP (STUDS, "LOCK" NUTS) ✓  
 ✓ b16 TAPPED HOLE " " " " ✓  
 ✓ b12, d12, b17, d17 4 HOLES 7  
 ✓ b11, b20, e24, R23 TAPPED HOLES (E24 HOLDS COND. FOR RIGHT FUEL PUMP) ✓  
 ✓ d11 TAPPED HOLE CHASSIS LUBE PIPE CLAMPS ✓  
 ✓ d19, Q19 TAPPED HOLE PIPE CLAMP (WITH NO PIPE) ✓  
 ✓ e18 TAPPED HOLE OIL PRESS. LINE CLAMP ✓  
 ✓ c21 TAPPED HOLE SPEEDO. CABLE CLAMP (ALSO COND FOR LEFT FUEL PUMP) ✓  
 ✓ b23 HOLE FUEL PUMP BRACKET ✓  
 ✓ f21, f22 NUTS ADDED WIRES ✓  
 ✓ e22, e23 2 HOLES FUEL LINE BRACKET ✓  
 ✓ R4, R22, T4, T22, W4, W22 NUTS (FUEL PUMP BRACKET? NO NUTS/BOLTS) ✓  
 ✓ R3, R23, T3, T23, U3, U23, W3, W23, X3, X23 10 SQUARE VERTICAL BRACKET ON ENGINE SIDE OF FIREWALL ✓  
 ✓ P4 CSK SCREW HEAD SQUARE CLAMP FOR LEFT WIRE CHANNEL ✓  
 ✓ P22 THREADED HOLE " " " " RIGHT " " ✓  
 ✓ R4 SCREW HD W/WIRE CLAMP (EMPTY) } STARTER RELAY BOX ✓  
 ✓ R5 SCREW HD W/WIRE IN CLAMP }  
 ✓ T4 SCREW HD }  
 ✓ R6, c8 TAPPED HOLES CHASSIS LUBE LINE CLAMPS ✓  
 ✓ N7 HOLE ? ✓  
 ✓ Q11 HOLE DIMMER SWITCH WIRES ✓  
 ✓ P12, P14, Q12, Q14 4 NUTS DIMMER SWITCH ASS'Y ✓  
 ✓ O23 HOLE { FOR BOLT/NUT TO HOLD FLOOR BOARD PANEL ✓  
 ✓ N20, N22, P20, P22 4 NUTS { IS ACTUALLY IN LINE WITH N20 & N22 ✓  
 ✓ S5 HOLE { (N20, N22 ALSO SECURE FLOOR BOARD PANEL ✓  
 ✓ R19 (BEHIND FLOOR BOARD PANEL) 2 NUTS { STEERING COLUMN SUPPORT (LOWER) ✓  
 WIRES FROM FWD & REAR LEFT RIGHT FLEX  
 SPEEDO CABLE CLAMP (STUDS, "LOCK" NUTS) ✓

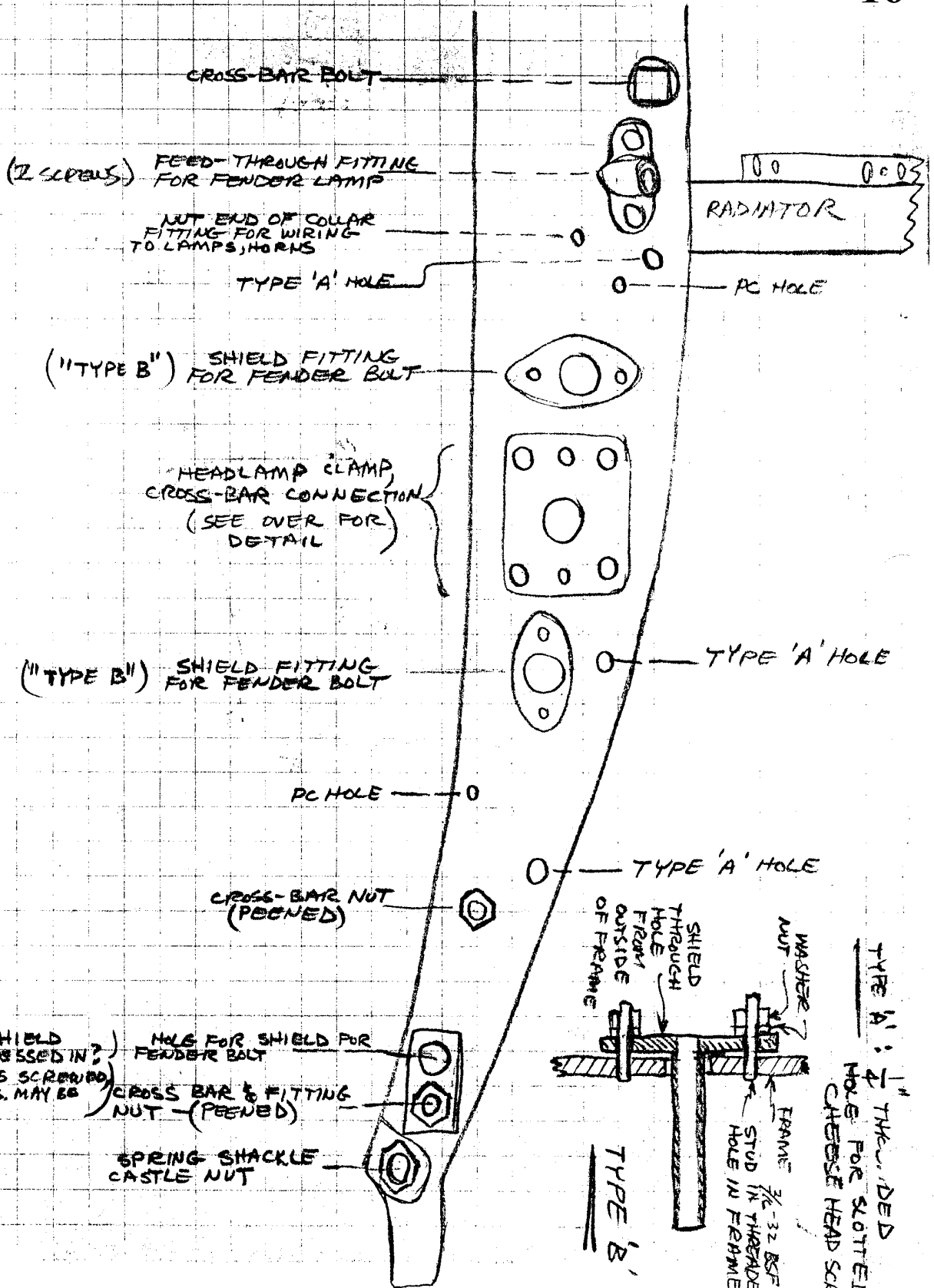








RIGHT FRONT END OF FRAME  
(LEFT IS SIMILAR)

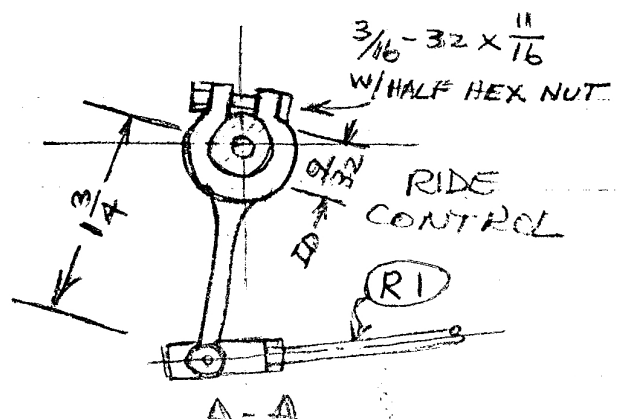
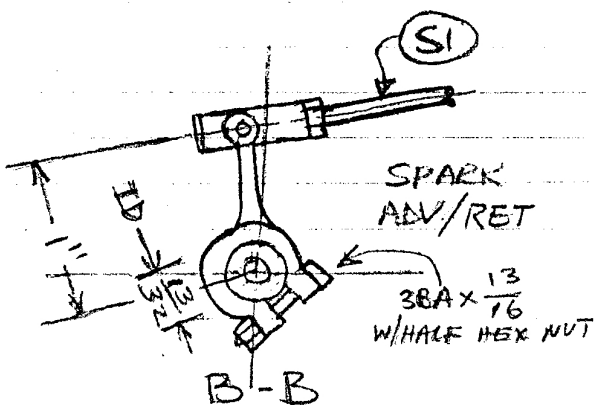
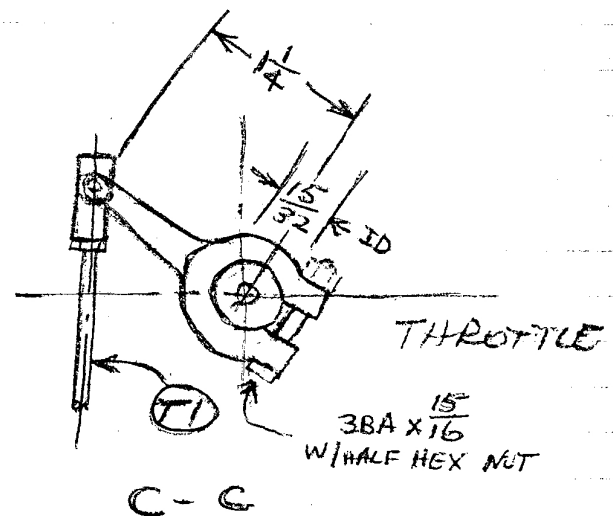
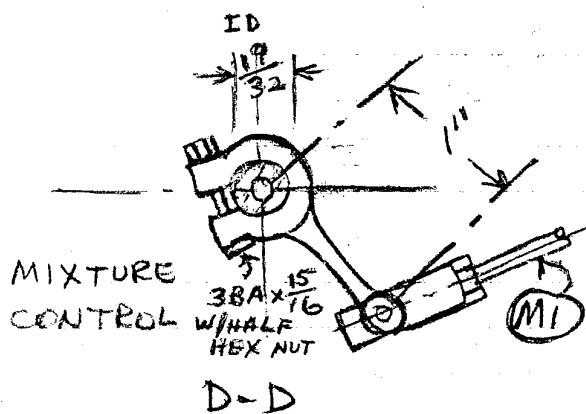
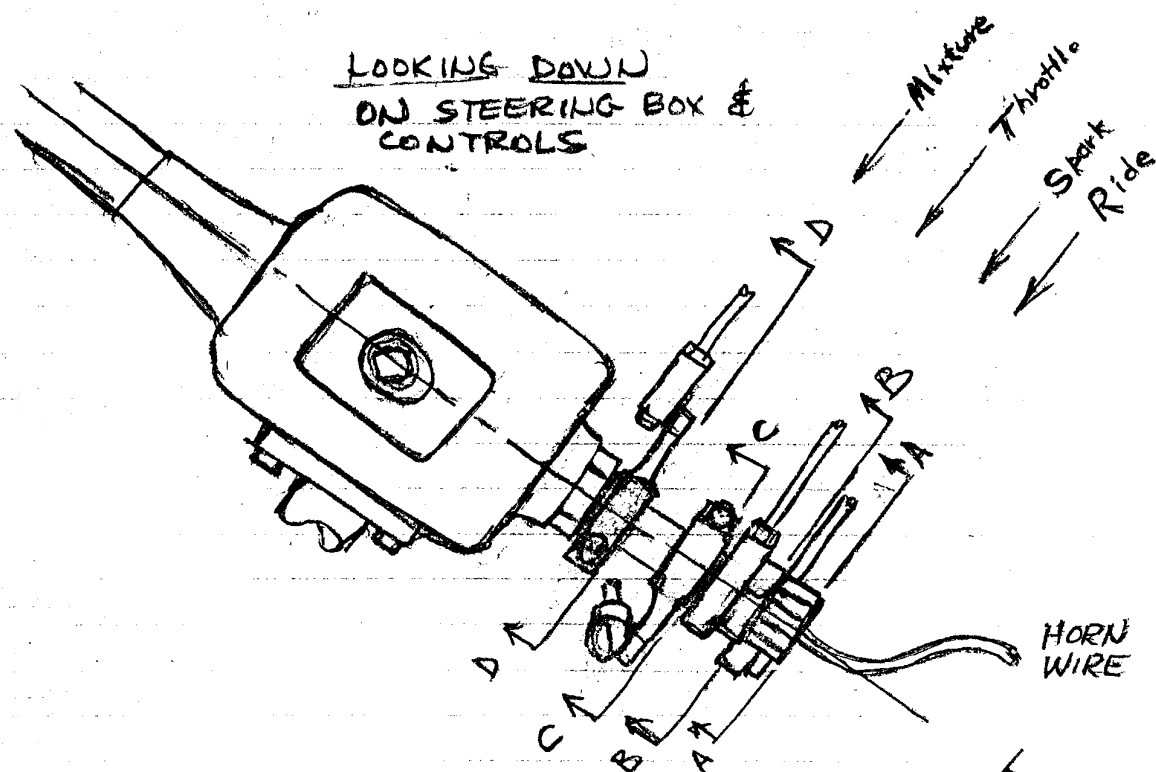


TYPE 'A' HOLE: 1/4" THREADED  
HOLE FOR SLOTTED  
CASE HEAD SCREEN

# CONTROL ROD DIAGRAMS

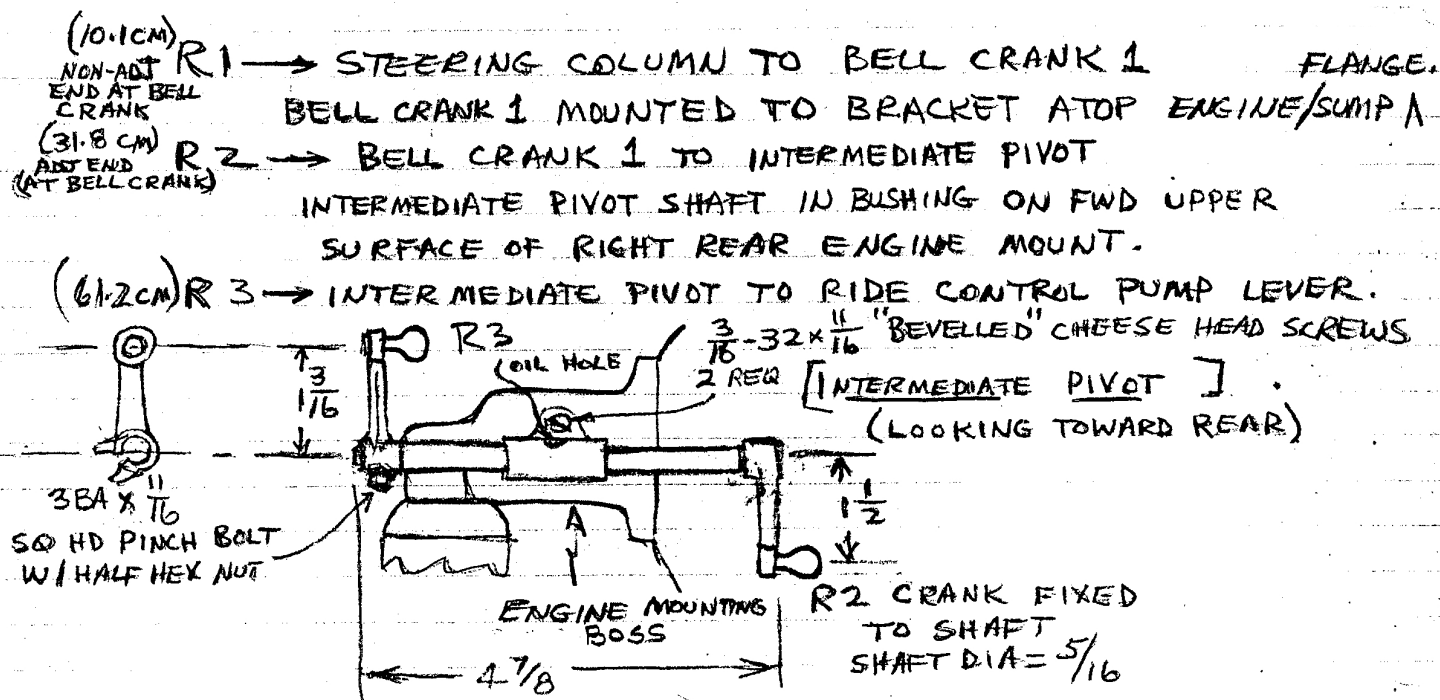
17

2/27/19

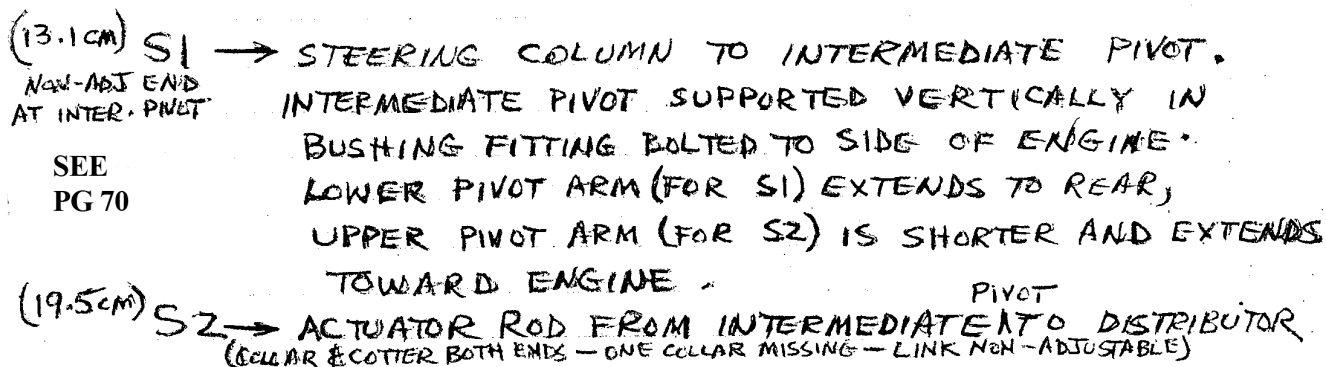




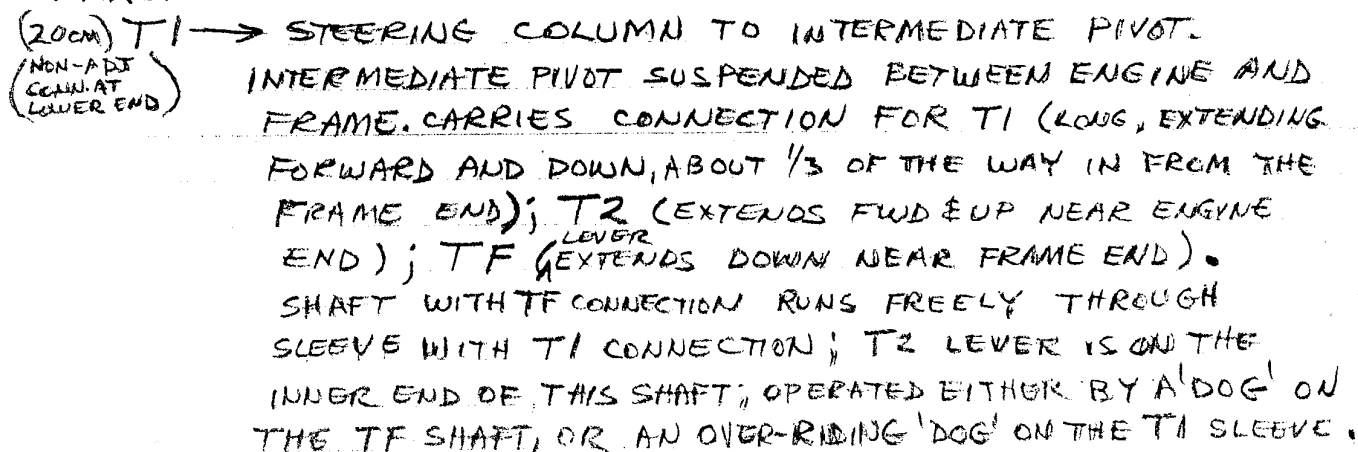
## RIDE CONTROL LINKS:



## SPARK CONTROL LINKAGE:



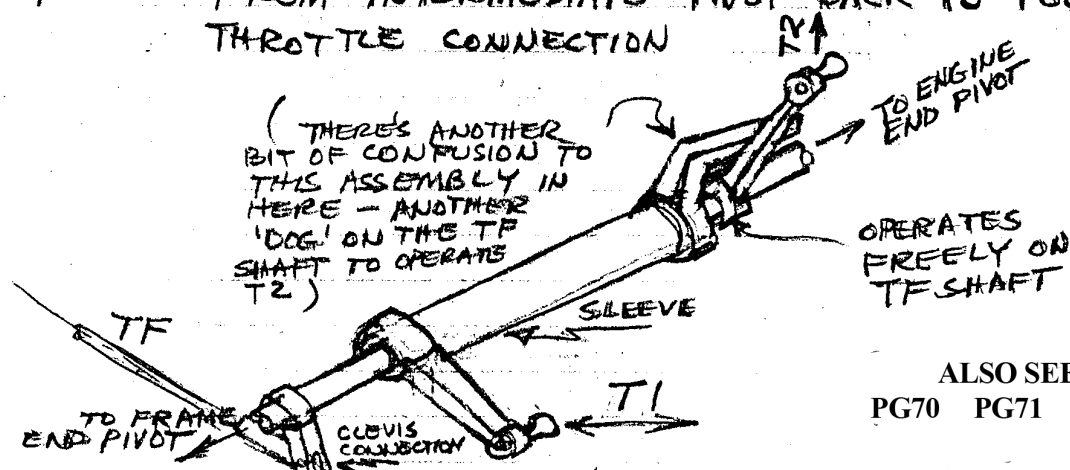
## THROTTLE LINKAGE





(45.6 cm) T2 → FROM INTERMEDIATE PIVOT UP TO CARBURETOR THROTTLE LEVER

(37.8 cm) TF → FROM INTERMEDIATE PIVOT BACK TO FOOT THROTTLE CONNECTION



ALSO SEE  
PG70 PG71 PG72

### MIXTURE CONTROL LINKAGE :

(11.5 cm) M1 → STEERING COLUMN TO CENTER LEVER OF INTERMEDIATE PIVOT (CENTER LEVER EXTENDS DOWN)  
(NON-ADJ END AT INTER. PIV.)

INTERMEDIATE PIVOT IS MOUNTED HORIZONTALLY IN BRACKETS EXTENDING FROM ENGINE CASE.

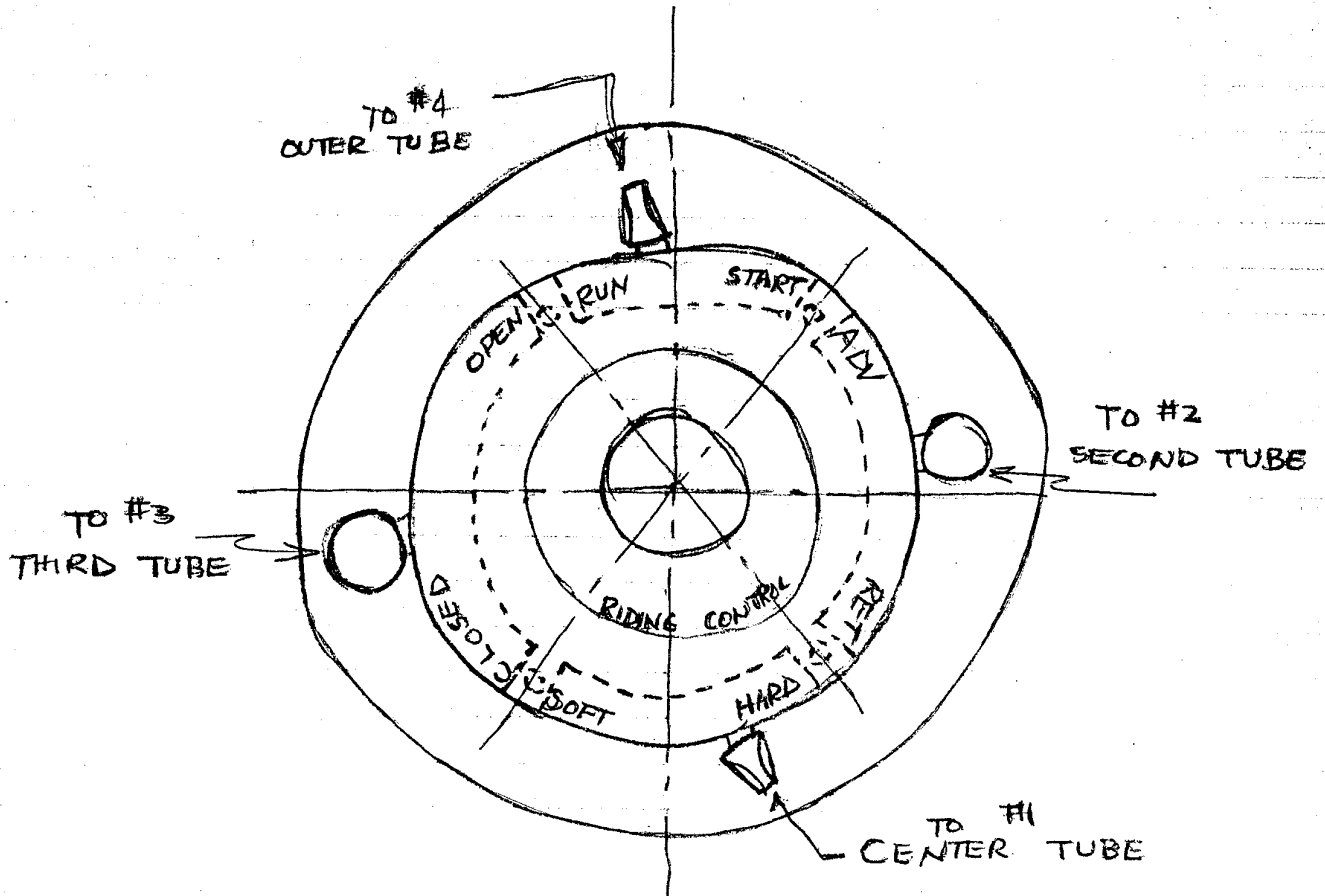
LEVERS AT EITHER END OF PIVOT, EXTENDING OUT, CONNECT TO M2 AND M3 (COLLAR & COTTER PIN CONNECTIONS)

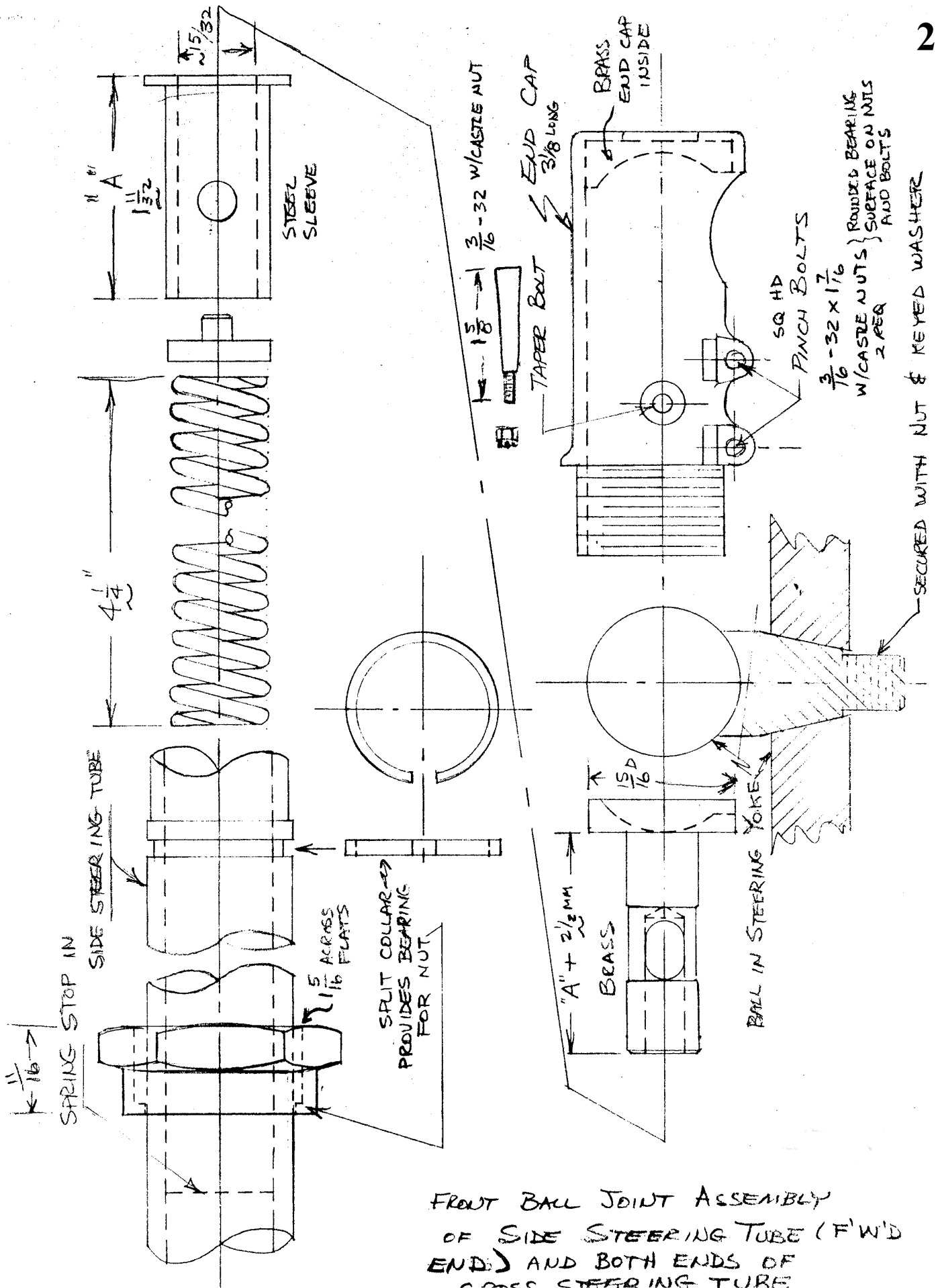
(21.3 cm) M2 → INTERMEDIATE PIVOT UP TO MIXTURE CONTROL LEVER OF FORWARD CARBURETOR

(21.3 cm) M3 → INTERMEDIATE PIVOT UP TO MIXTURE CONTROL LEVER OF REAR CARBURETOR

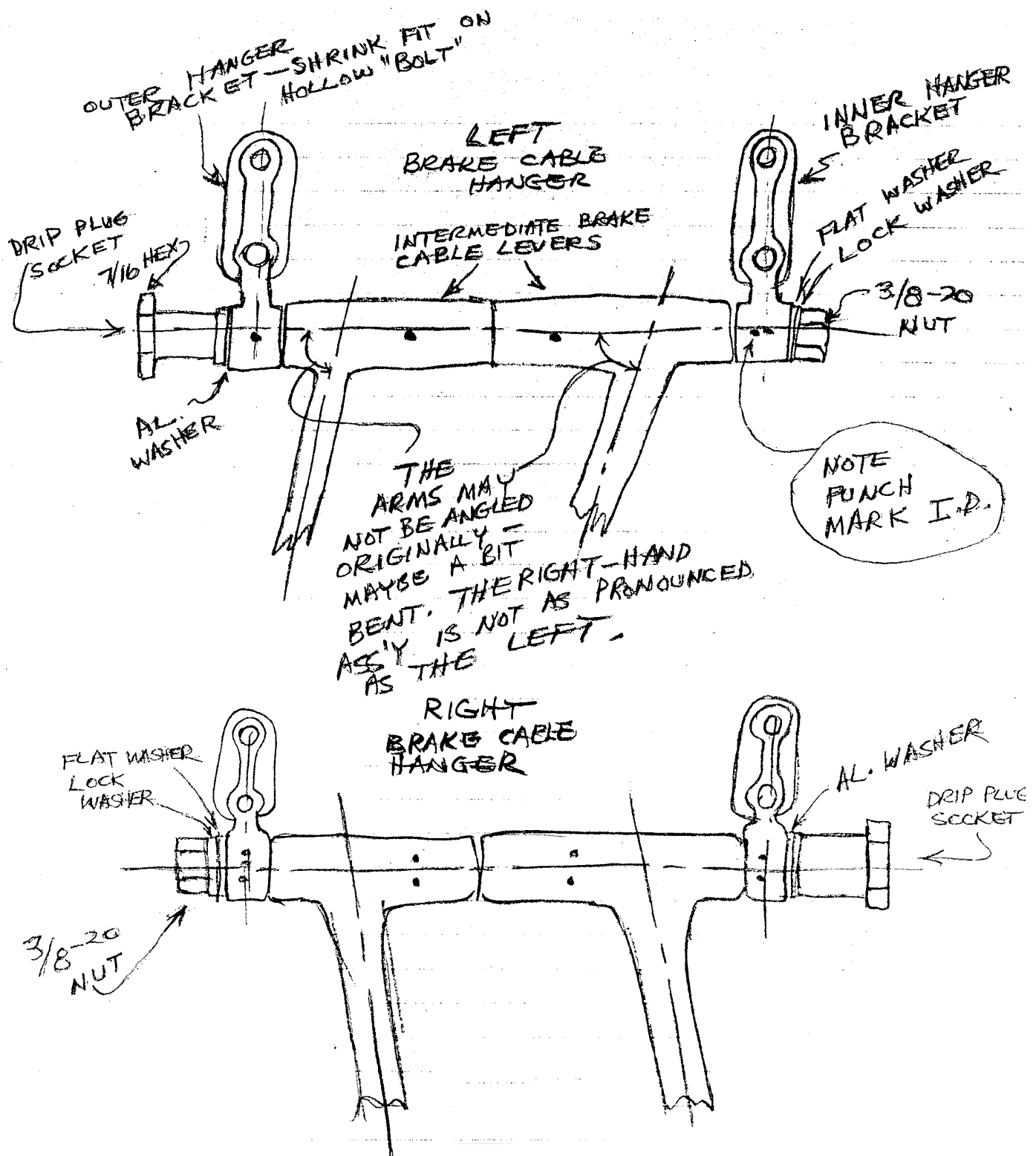
NOTE: CARB LEVER CONNECTION OF M2 AND M3 IS PIN & CLEVIS W/ COTTER PINS

NOTE: ONE BALL RETAINER FROM A LINKAGE ROD ADJUSTER IS BROKEN.

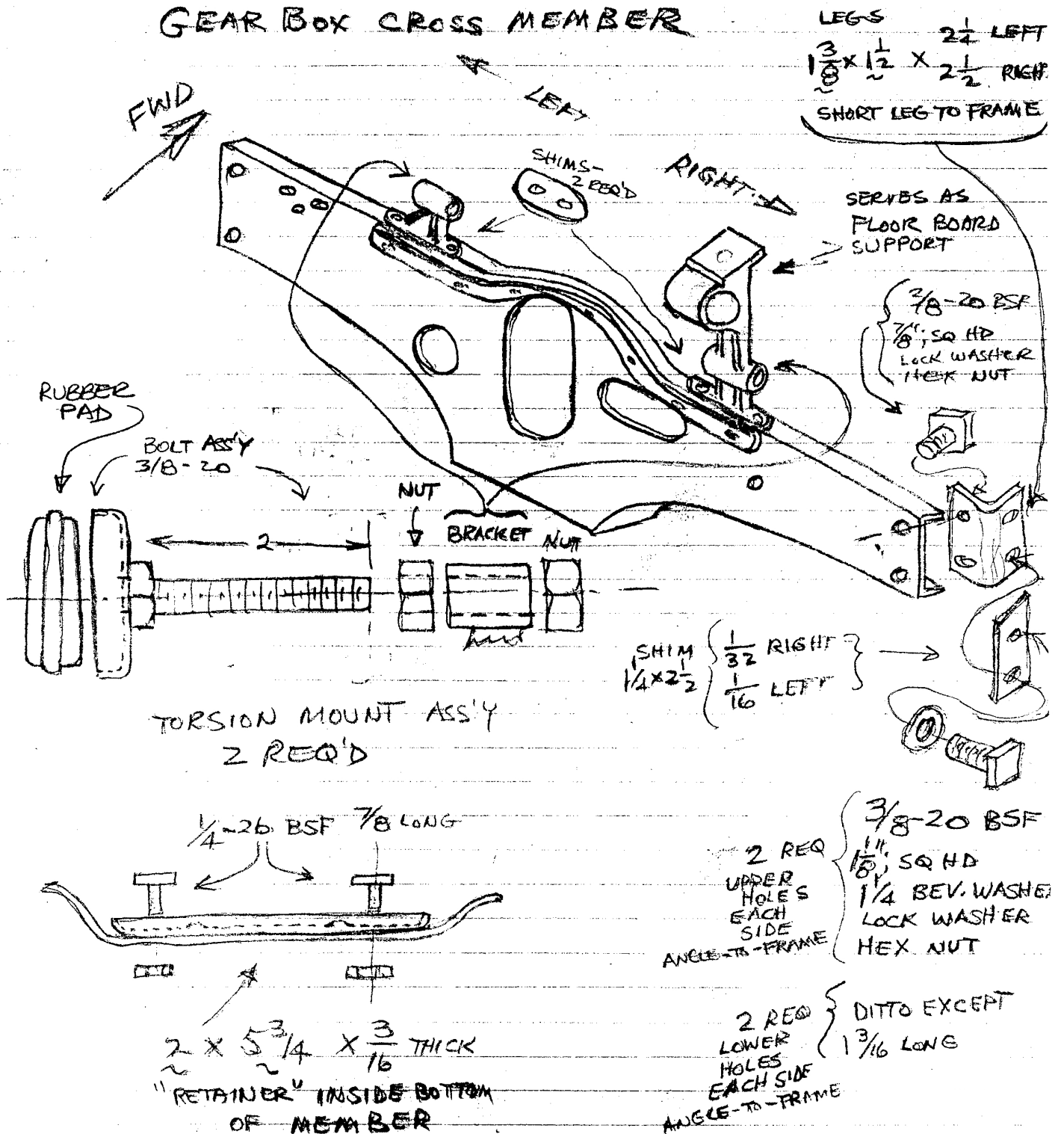




FRONT BALL JOINT ASSEMBLY  
OF SIDE STEERING TUBE (F'W'D  
END) AND BOTH ENDS OF  
SIDE STEERING TUBE



## GEAR BOX CROSS MEMBER

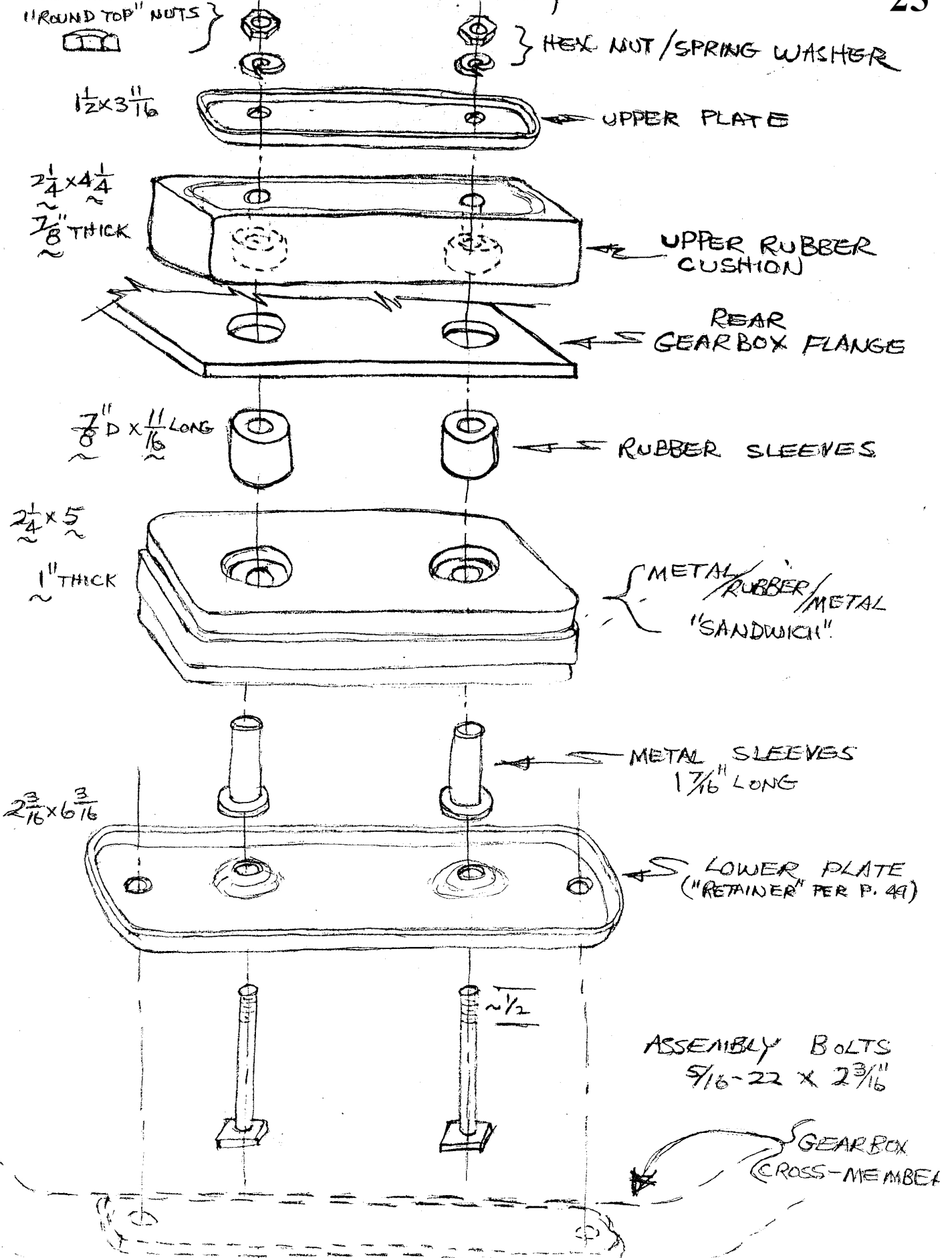


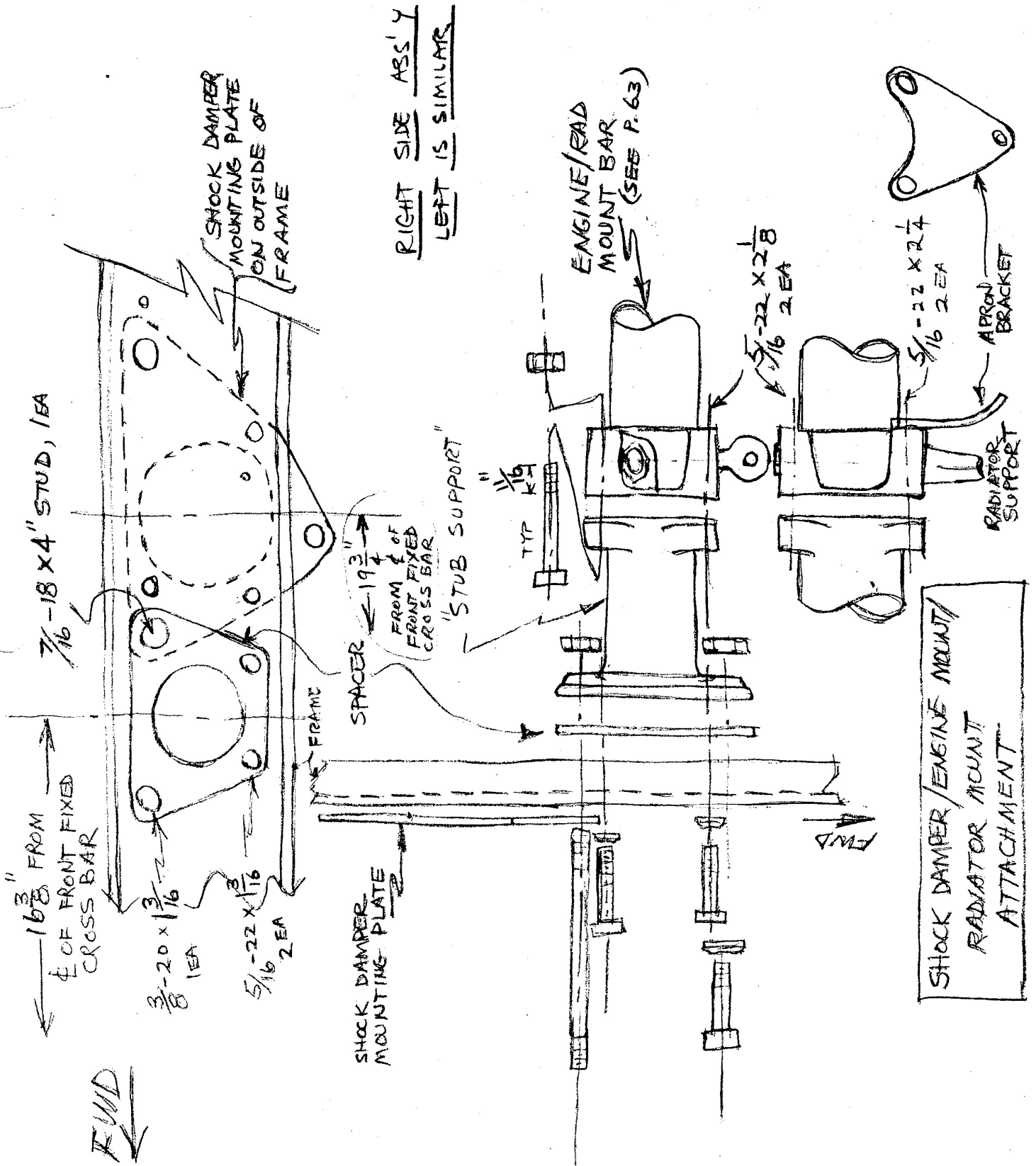
SEE PAGE 25  
FOR GEARBOX  
SUPPORT ASSEMBLY

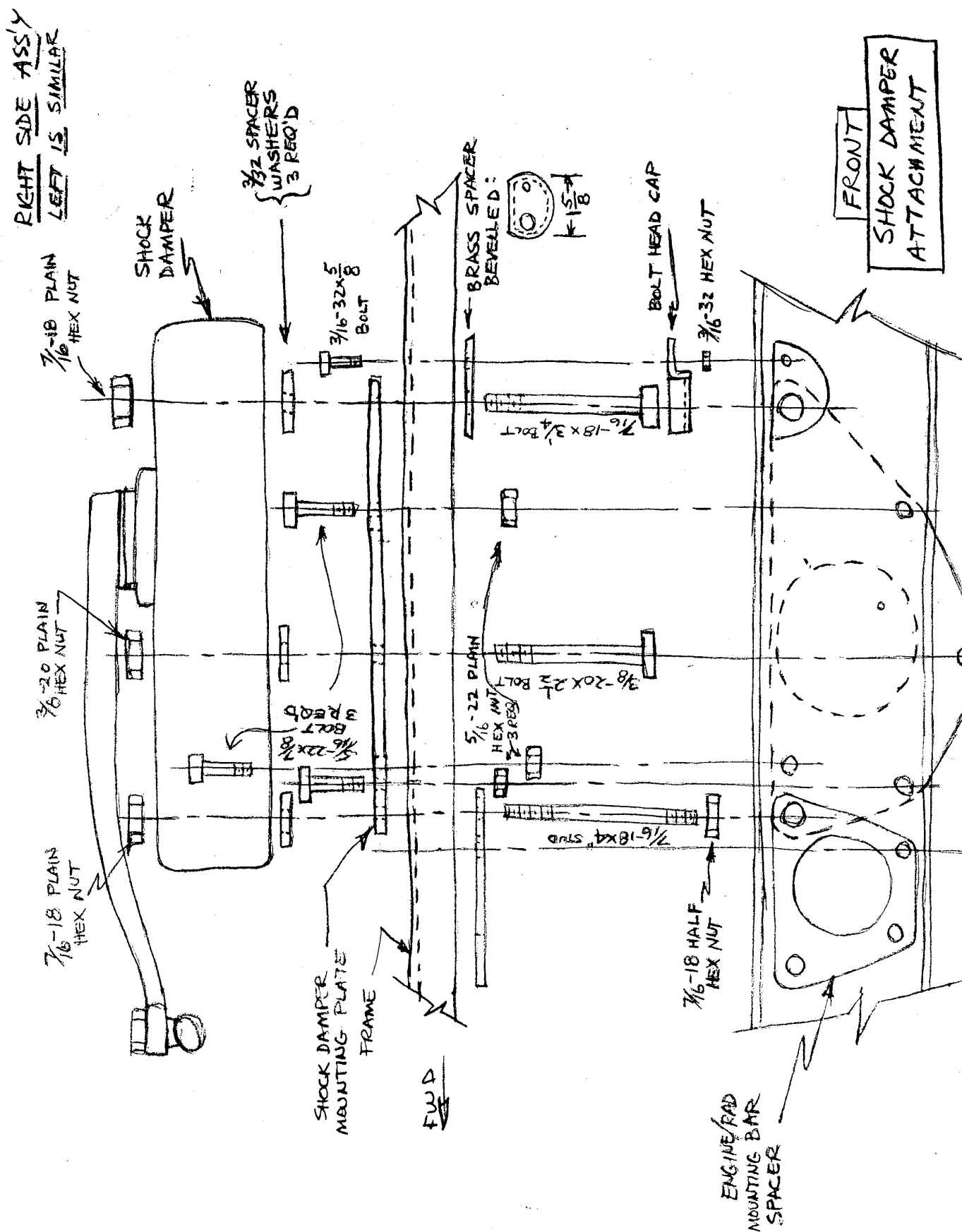




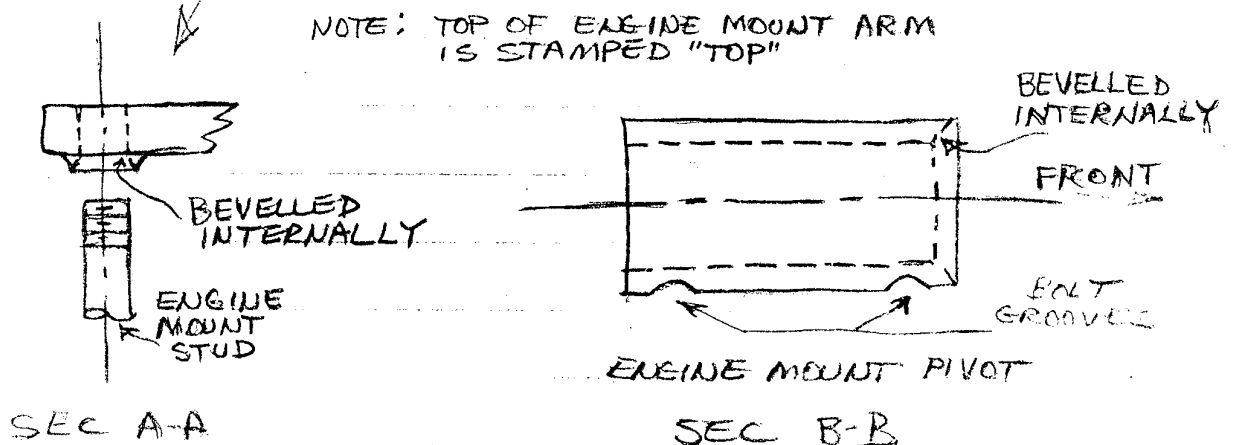
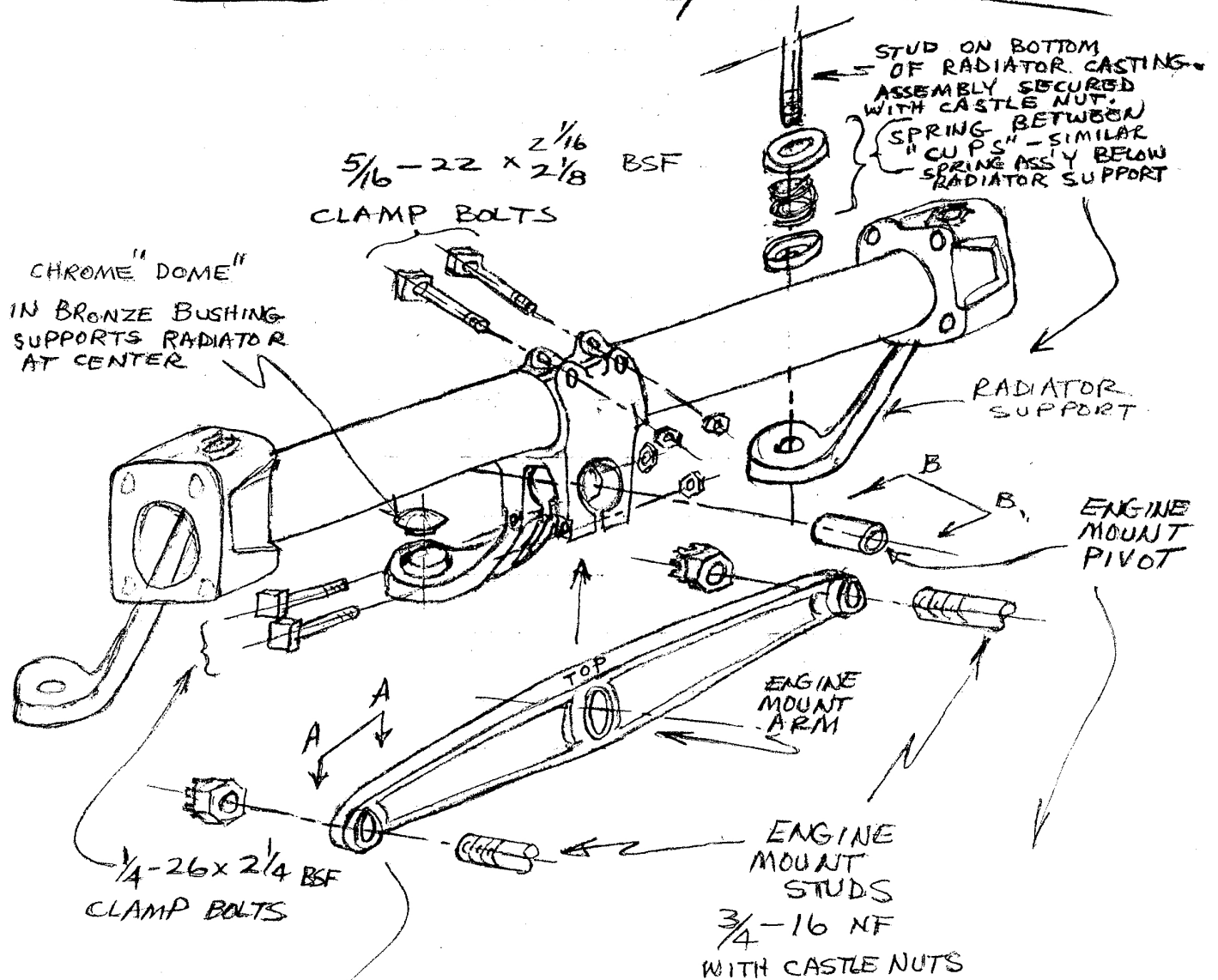
# GEARBOX SUPPORT ASSEMBLY

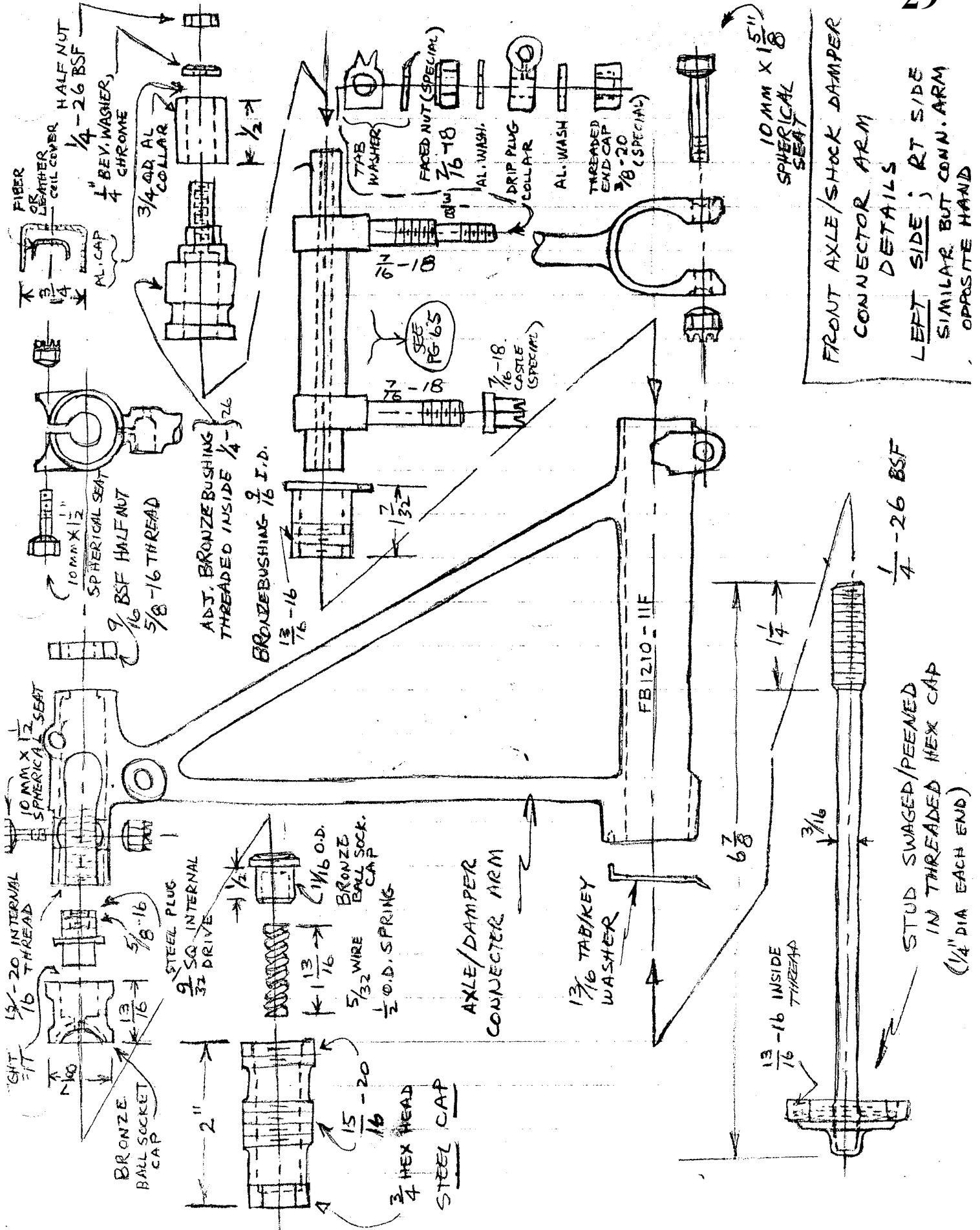






# FRONT ENGINE MOUNT/RADIATOR SUPPORT





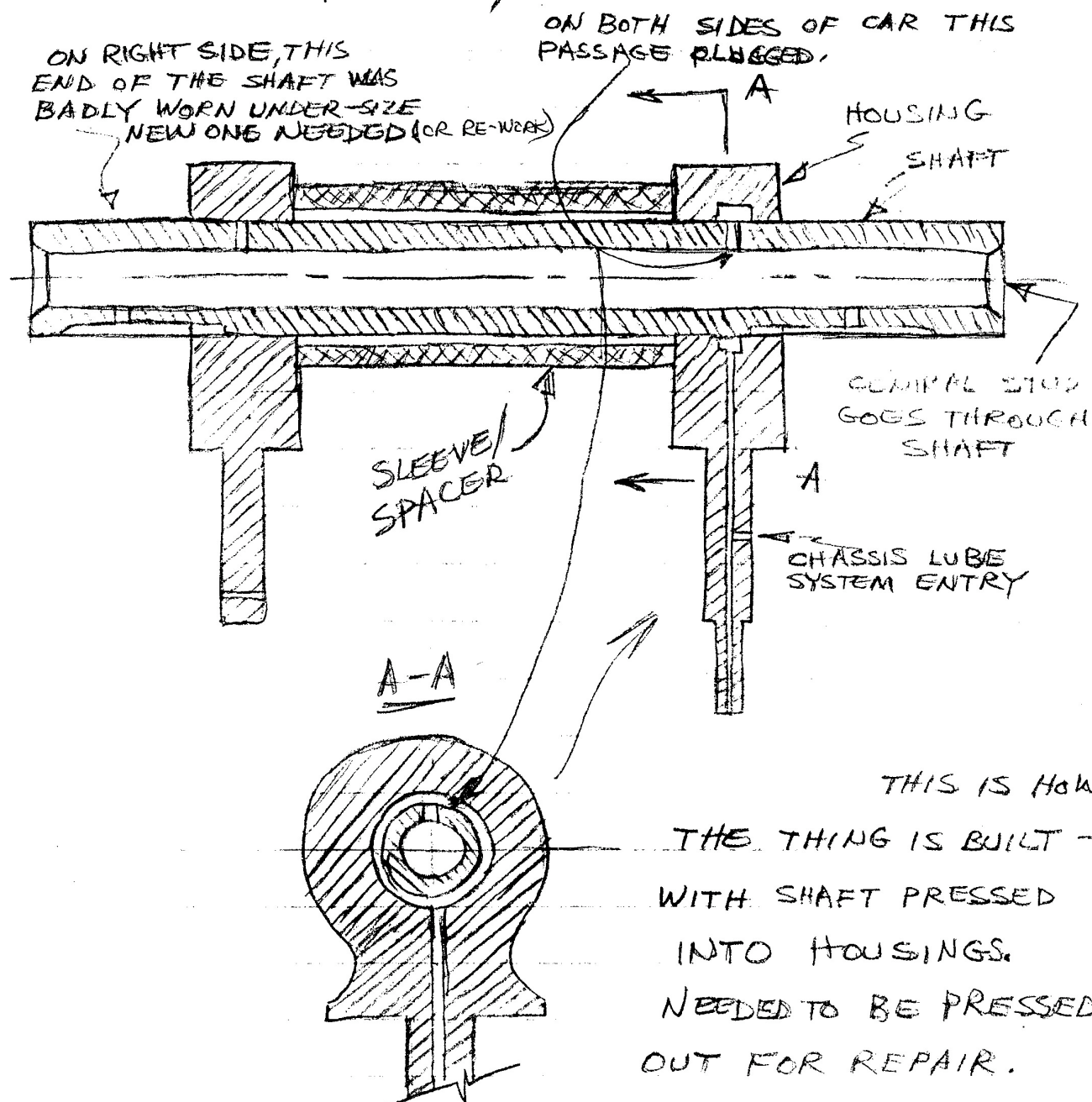


SEE PG 82

# PROBLEMS WITH AXLE/DAMPER CONNECTORS

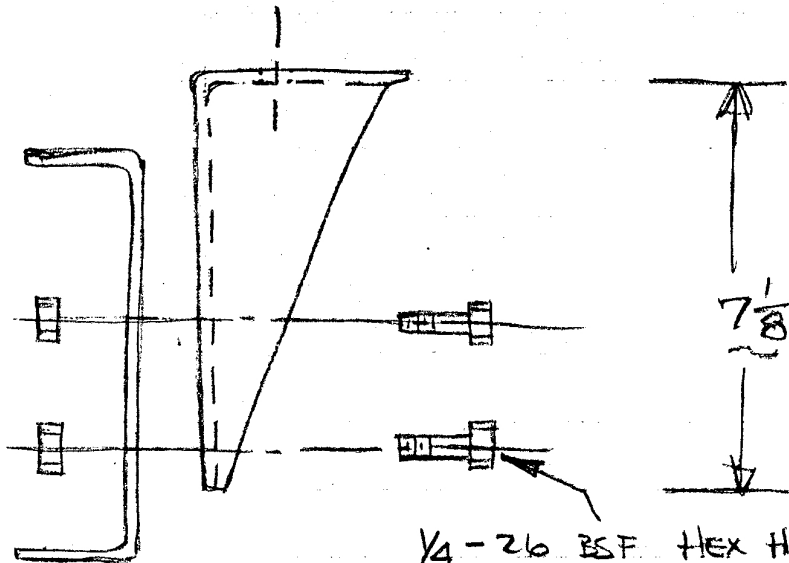
- ① RIGHT SIDE NEEDED NEW CENTRAL STUD;  
THEN NEEDED END CAP RE-TAPPED, AND STUD  
INSERTED, SWAGED, PEENED.

- ② RENOVATE PLUGGED/RUSTED PARTS, BOTH SIDES.



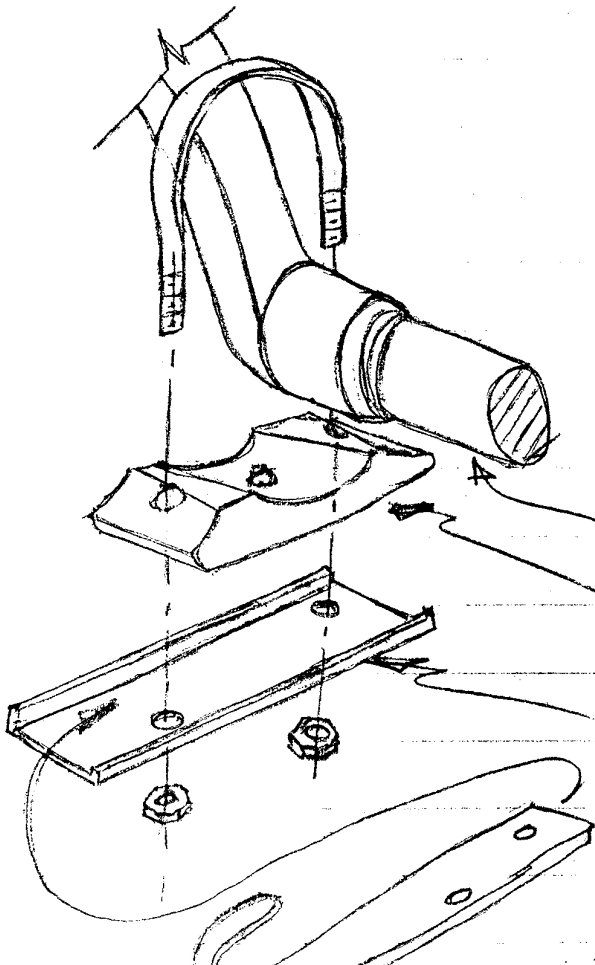


# ASSORTED PARTS & BRACKETS



RIGHT &  
LEFT BODY  
SUPPORTS  
@ STA 104<sup>14</sup>  
FROM FRONT CROSS  
BAR.

1/4-26 BSF HEX HD SCREWS  
4 PER SUPPORT 3/4" LONG  
REGULAR NUTS



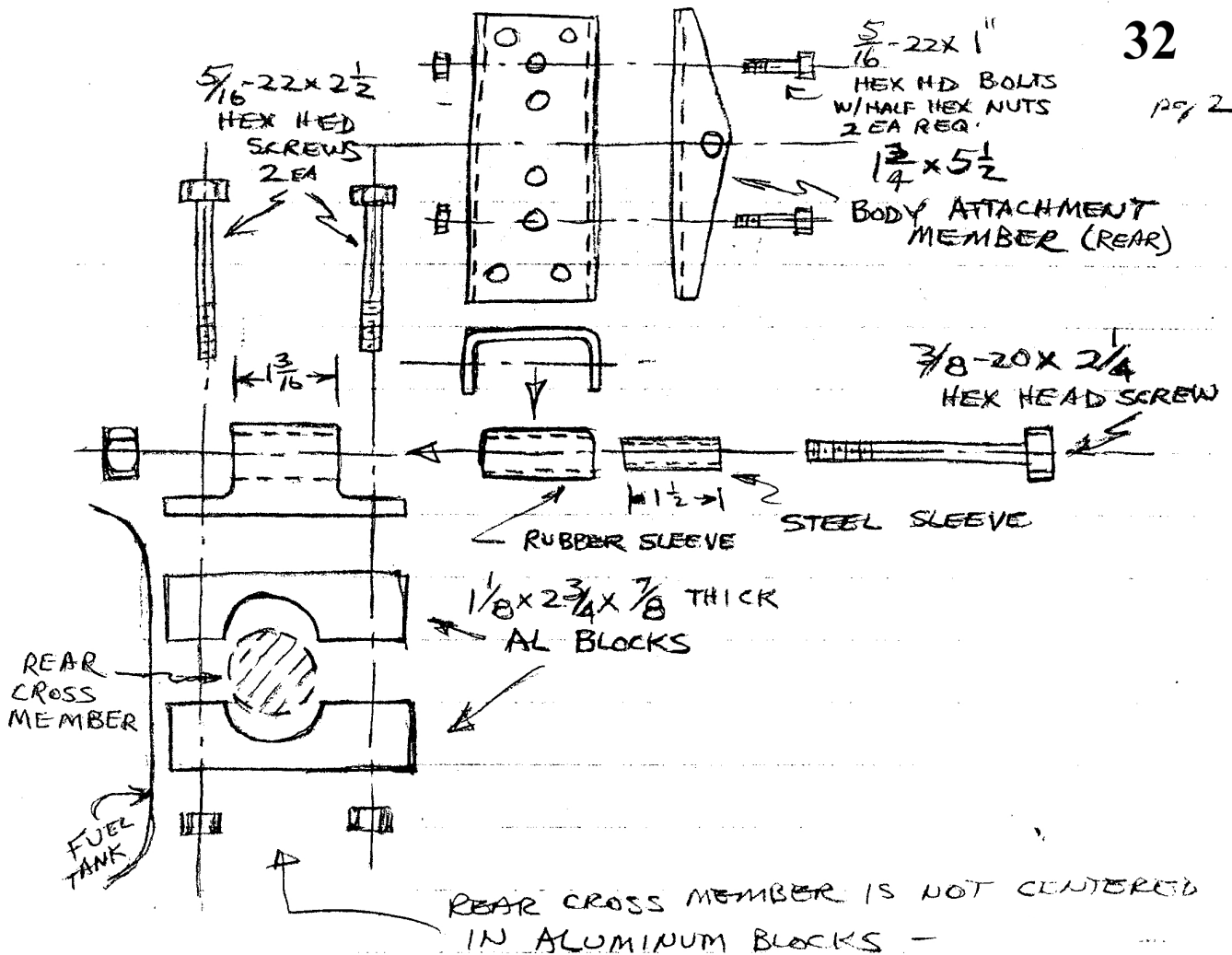
FRONT BUMPER SAFETY SUPPORT  
BRACKET (RIGHT SHOWN,  
LEFT SIMILAR)

1/4-26 BSF U-BOLT  
REGULAR NUTS

FRONT CROSS-BAR WITH INDEXING  
HOLE ON BOTTOM.

AL CASTING W/INDEX PIN  
1" X 2 3/4"

LOWER CLAMP 1 3/16 X 3 1/8  
EXTRA CLAMP LENGTH TO FRONT

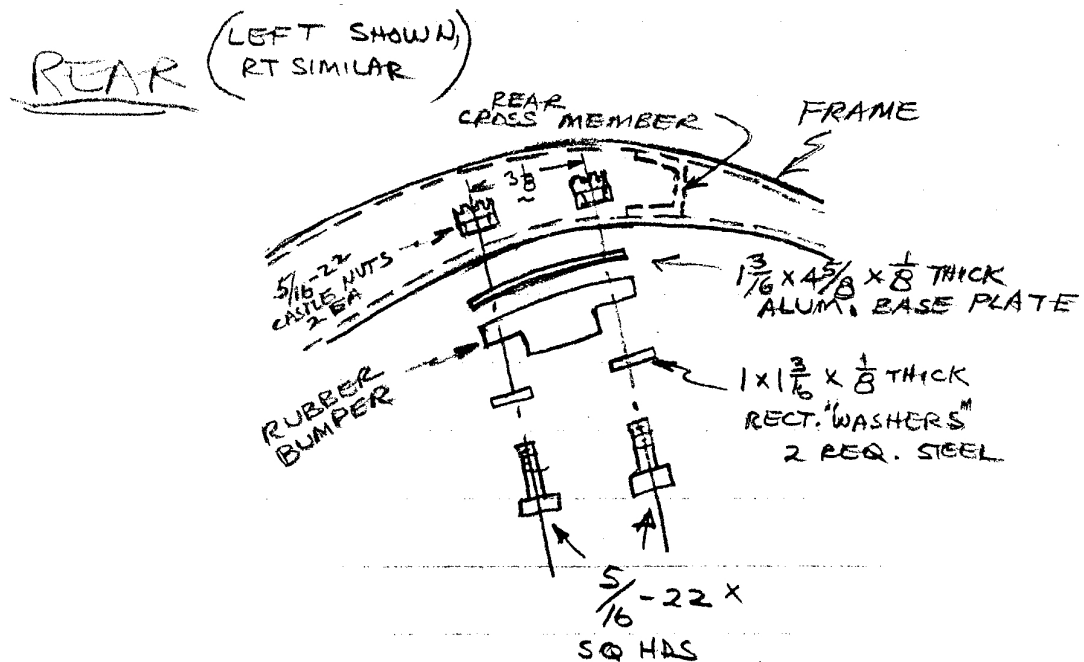
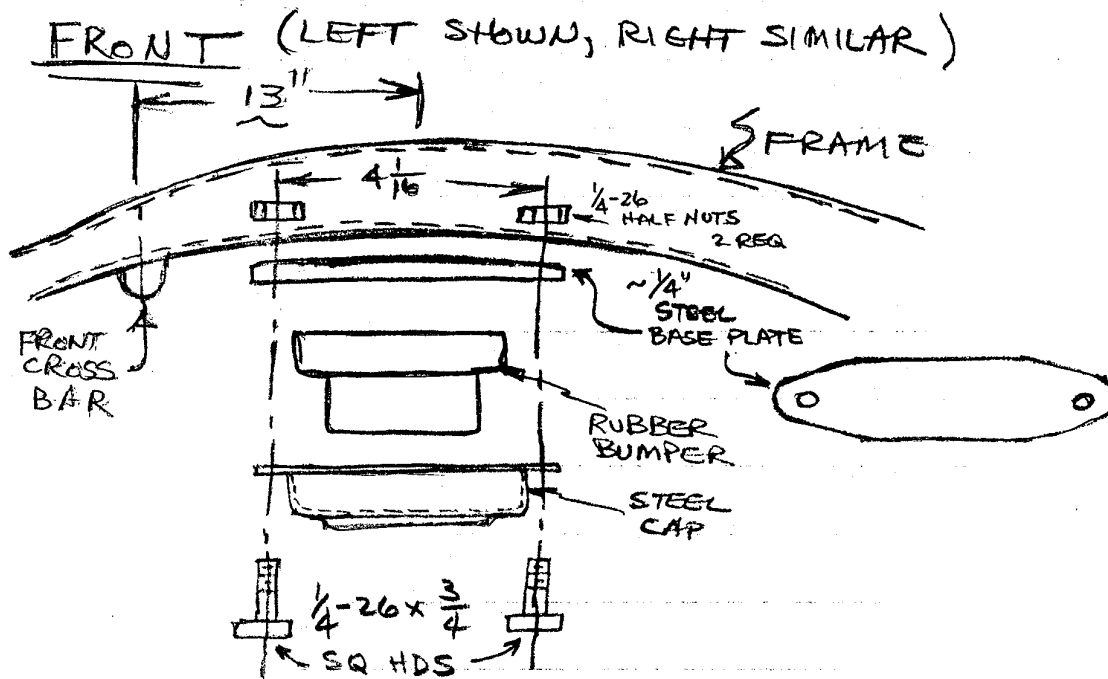


EXTRA LENGTH TO REAR;  
SHORT END GIVES CLEARANCE TO FUEL TANK

### REAR BODY SUPPORT ASSEMBLIES.

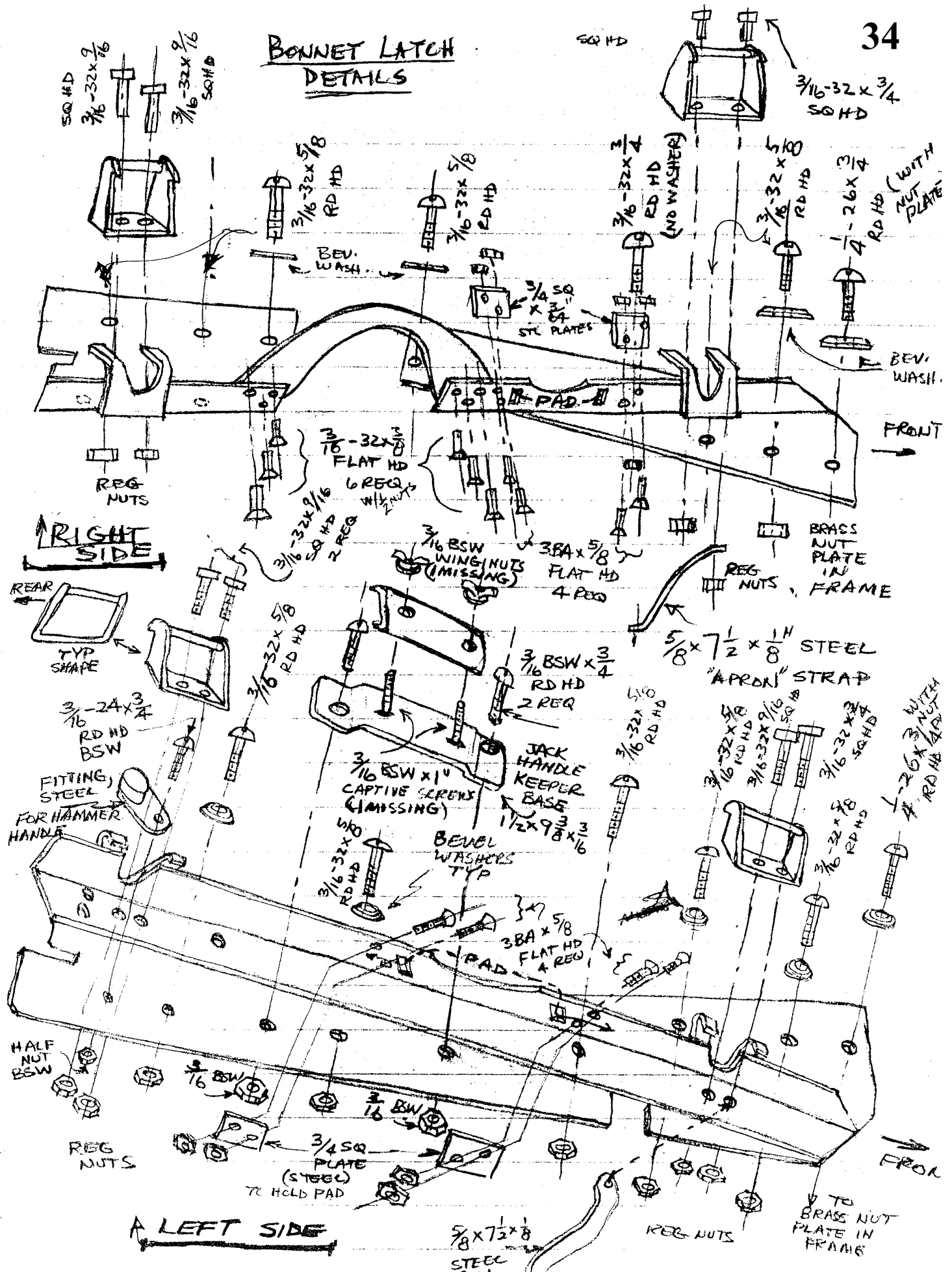
2 REQ - ONE AT EACH END OF  
CHANNEL AT REAR OF BODY BEHIND GAS TANK

# AXLE OVER-TRAVEL BUMPERS

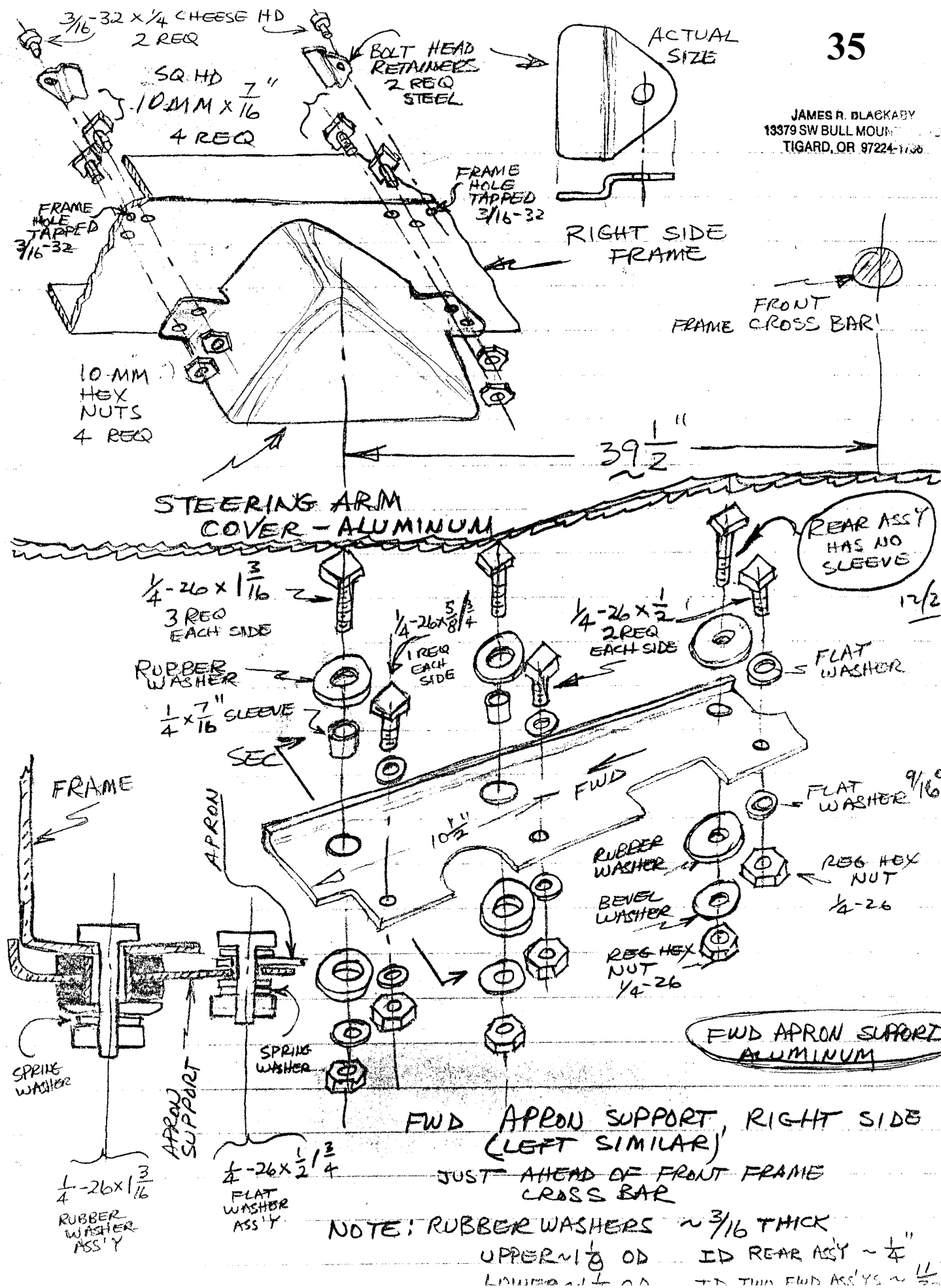


# BONNET LATCH DETAILS

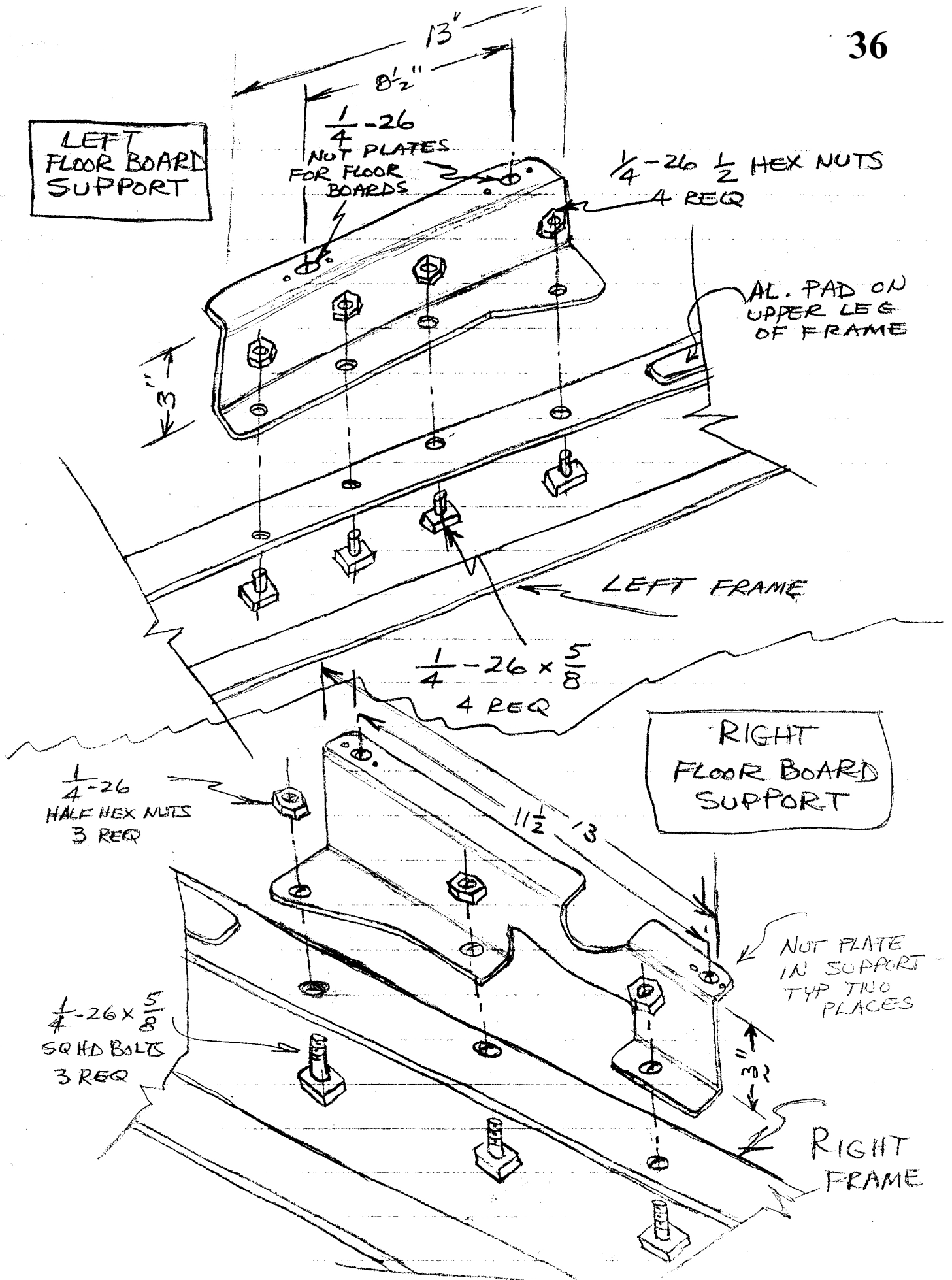
34



JAMES R. BLACKABY  
13379 SW BULL MOUNTAIN  
TIGARD, OR 97224-1736









LEFT FRAME  
LOOKING FWD

GENERATOR  
DRIVE  
HOUSING

CONNECTING  
LINK

> 90°

FWD LEFT  
ENGINE  
MOUNT

MISSING  
BEV. WASHER  
& FLAT WASHERS  
2. SUBSTITUTED

FIBER  
DISC

FLANGED  
CENTER  
MOUNTING DISC  
STEEL

FIBER  
DISC

SLEEVE, STEEL  
3/8 OD, 15/16 LONG

SPRING

BEVEL WASHER

SPRING

BEVEL WASHER  
15/16 OD

1/4-26 CASTLE NUT

PROBABLY  
SHOULD BE  
2 1/2" SPACER  
FLAT WASHERS  
27 OD 1/16 THICK EACH

1/4-26 REG  
HEX NUT

BEVEL  
WASHER  
3/4 OD

GEN  
HOUSING  
ARM { 1/4-26 x 1 3/16  
SQ HD BOLT  
1 REQ

ENGINE  
MOUNT  
ARM { 1/4-26 x 1 5/16  
SQ HD BOLT  
1 REQ

1/4-26 x 1 5/8  
SQ HD BOLT  
1 REQ

FRAME

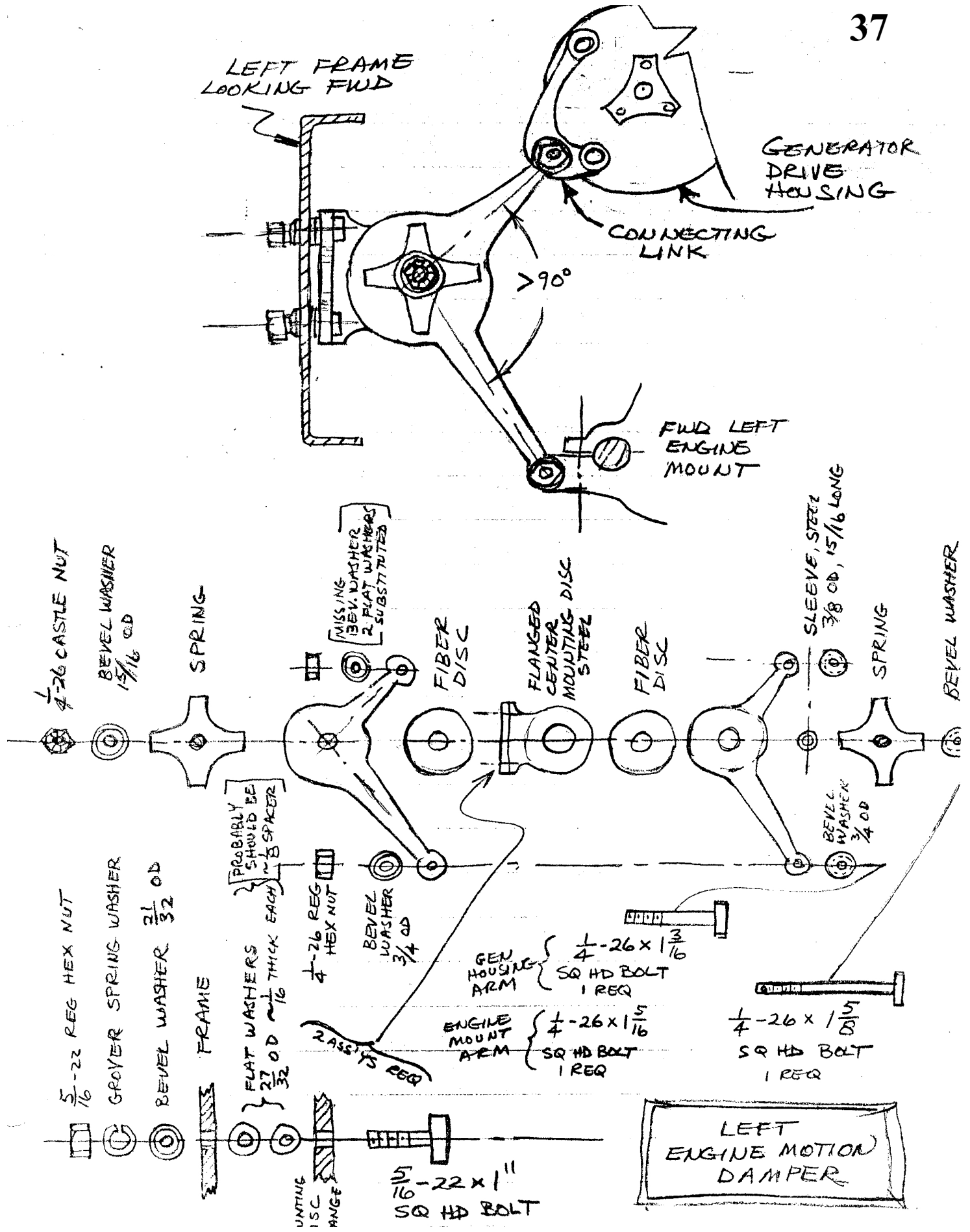
BEVEL WASHER 2 1/2 OD  
GROVER SPRING WASHER  
5/16

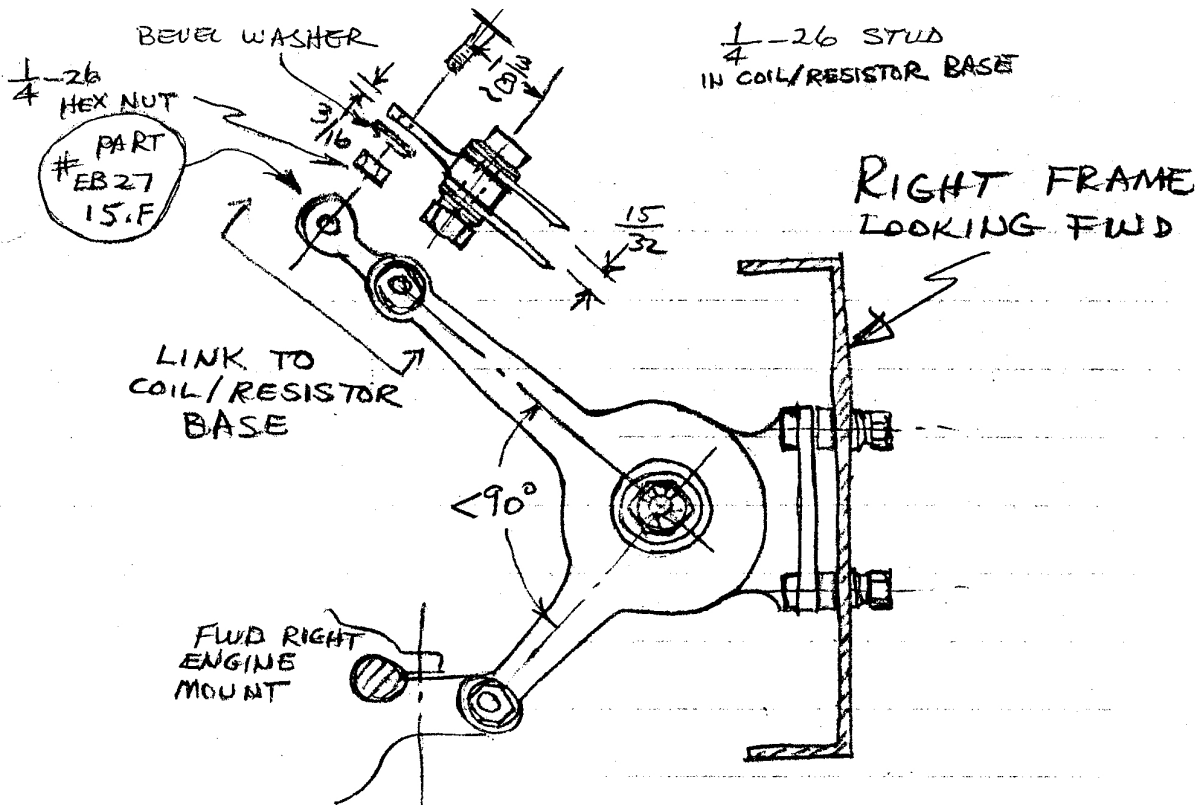
5/16-22 REG HEX NUT

UNTING  
ISC  
RANGE

5/16-22 x 1"  
SQ HD BOLT

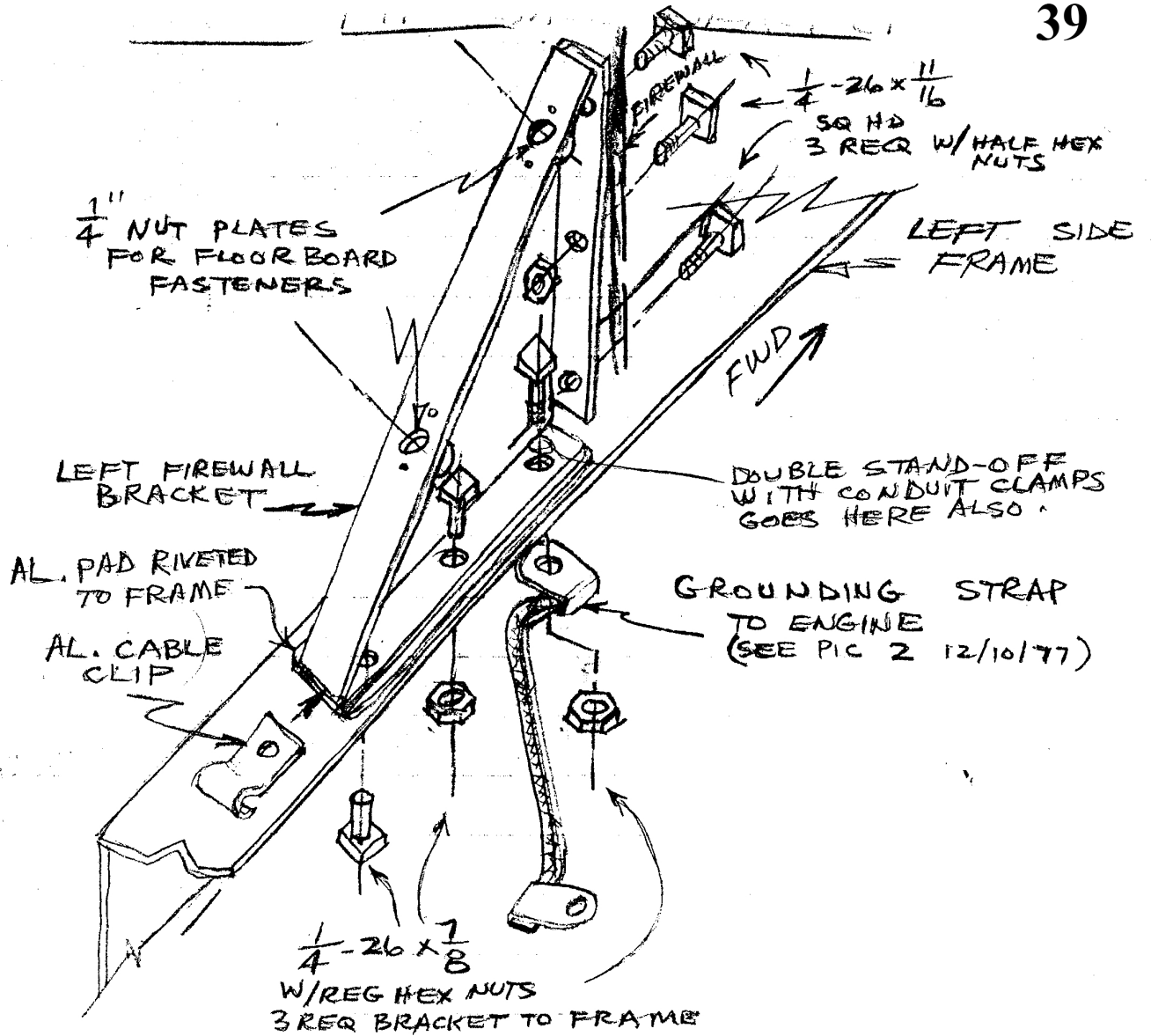
LEFT  
ENGINE MOTION  
DAMPER





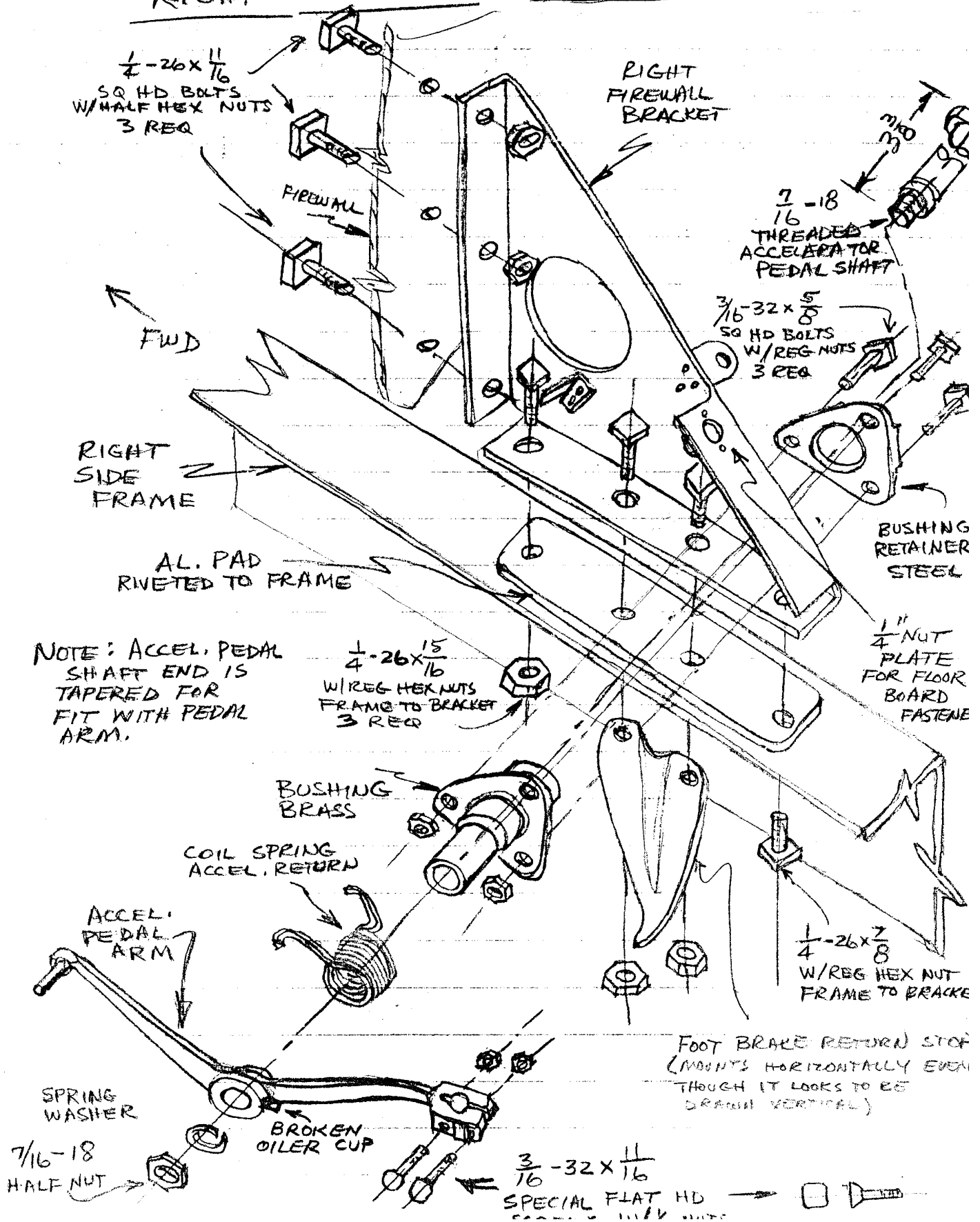
### SIMILAR TO LEFT SIDE ASSEMBLY

- ① HAS ONE  $\frac{1}{8}$ " SPACER BETWEEN MOUNTING DISC & FRAME (NEED TWO LEFT SIDE SHOULD PROBABLY HAVE  $\frac{1}{8}$ " SPACERS INSTEAD OF TWO  $\frac{1}{16}$  SPACERS @ EACH MOUNTING BOLT,
- ② ONE BEVELED WASHER MISSING FROM ASS'Y ARM - REPLACE WITH FLAT WASHER.
- ③ ALL FRICTION SURFACES ARE BARE STEEL; OTHERWISE PAINT ARMS / BRACKETS / SPRINGS BLACK



LEFT FIREWALL/FLOOR BOARD BRACKET

# RIGHT FIREWALL BRACKET



# RIGHT FWD RUNNING BOARD

## BRACKET

(LEFT SIMILAR - MAY BE MISSING 3 BRACKET/FRAME BOLTS & NUTS)

$\frac{5}{16}$  - 22 X  $\frac{7}{8}$   
SQ HD BOLTS  
W/REG NUTS  
4 REQ

THIS RASCAL IS  
DRAWN UPSIDE DOWN

BRACKET SLANTS UP

RT SIDE  
FRAME

SHIM  
(STEEL)

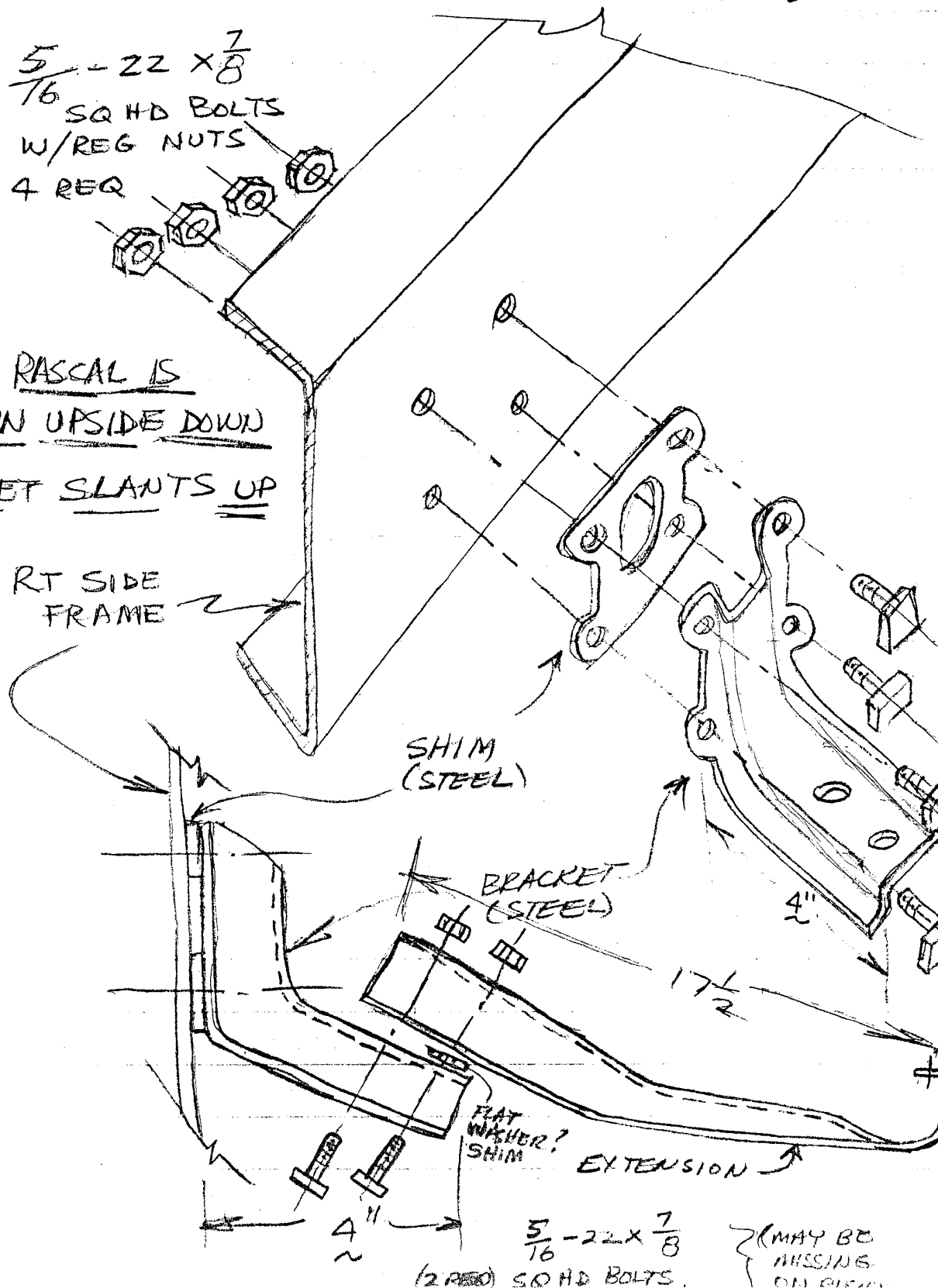
BRACKET  
(STEEL)

FLAT  
WASHER?  
SHIM

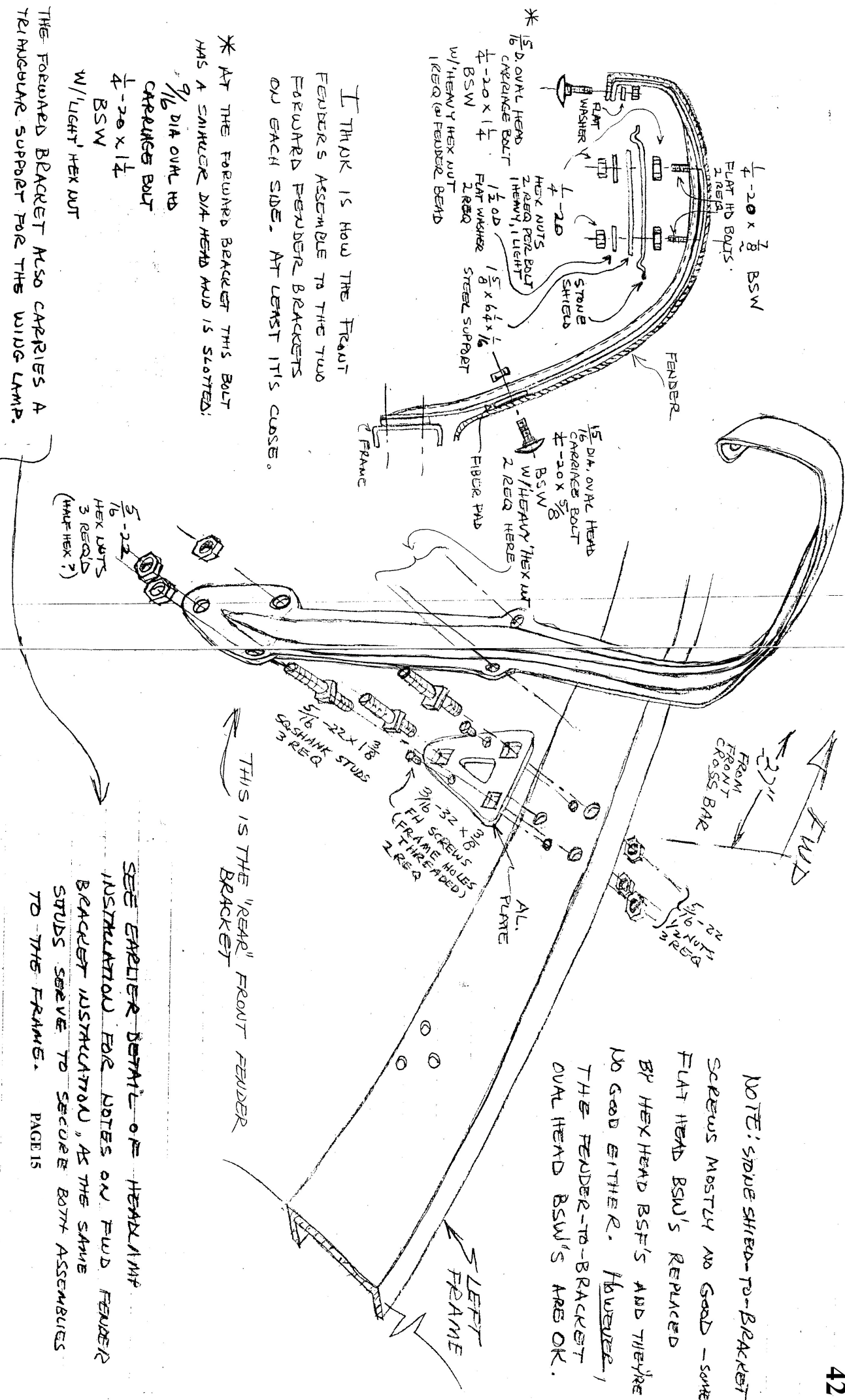
EXTENSION

$\frac{5}{16}$  - 22 X  $\frac{7}{8}$   
(2 REQ) SQ HD BOLTS.

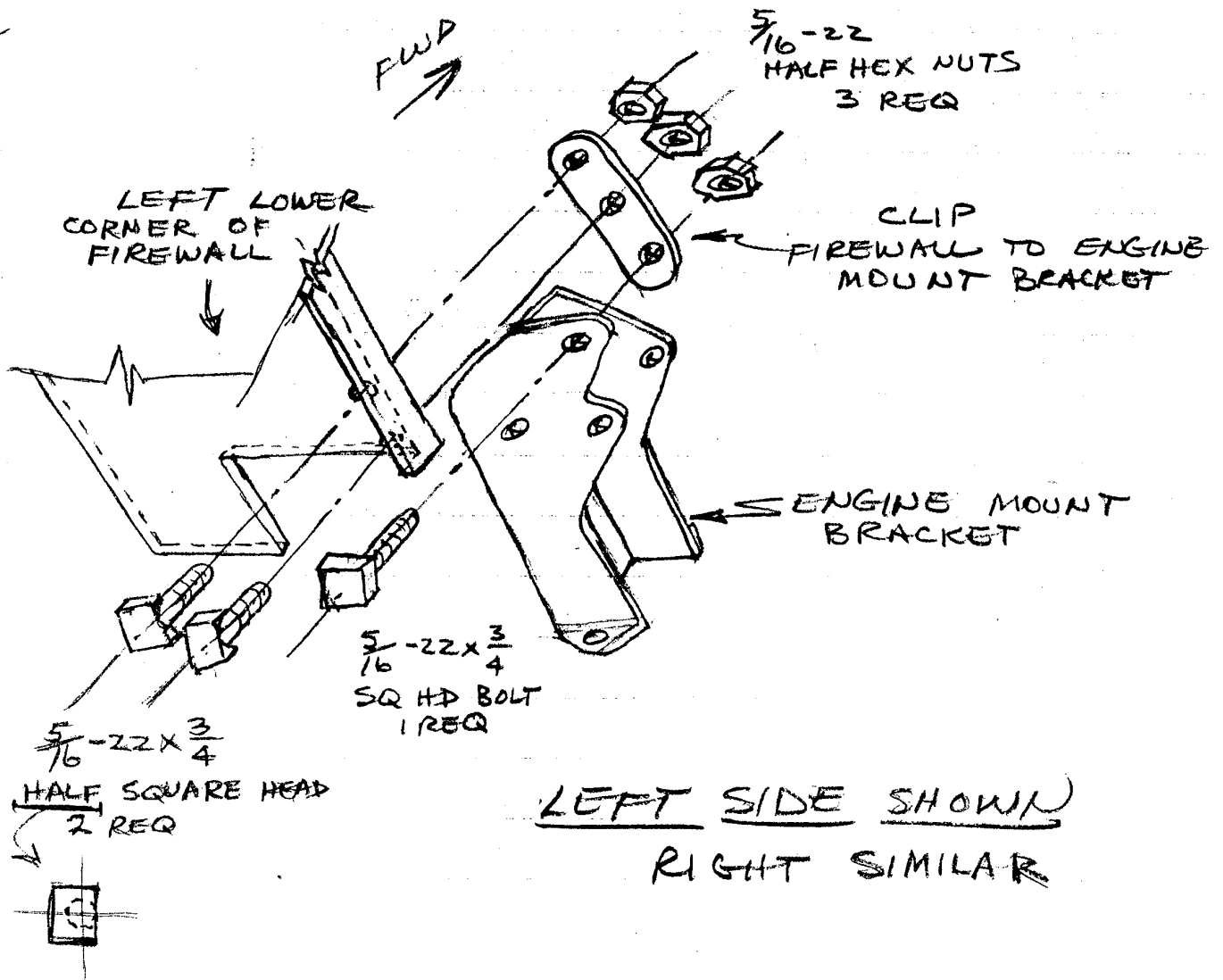
(MAY BE  
MISSING  
ON LEFT)







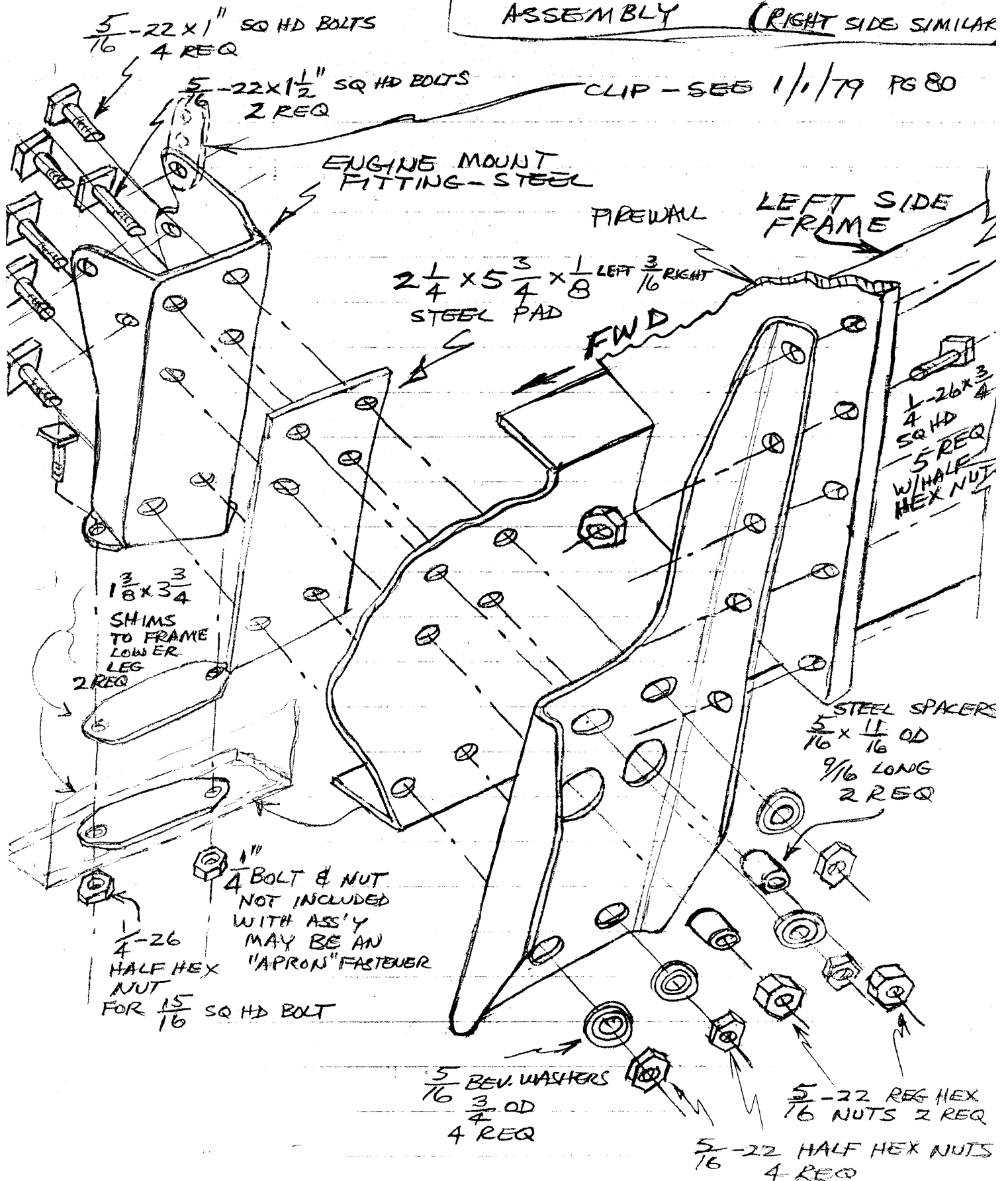


ENGINE MOUNT DETAIL

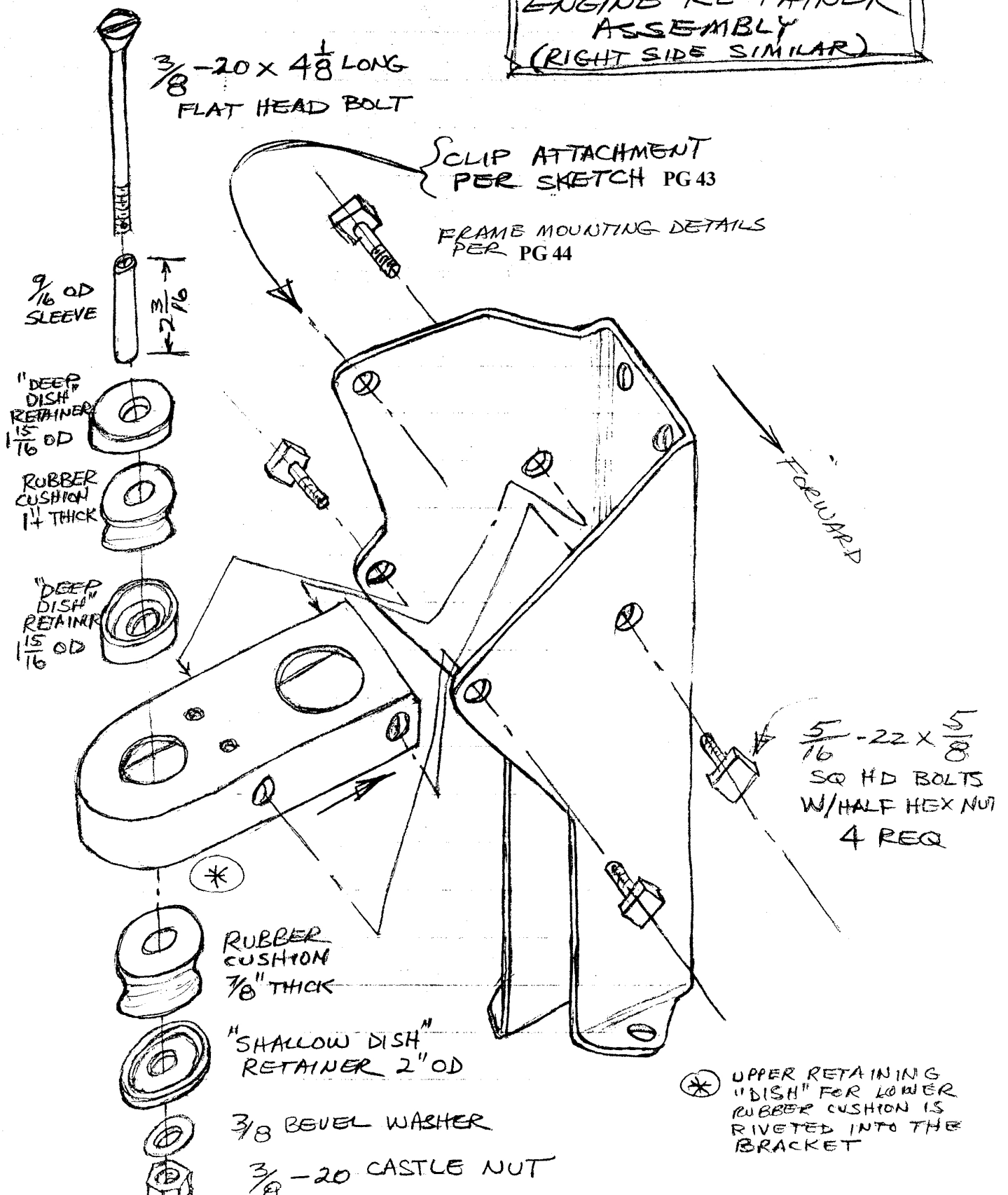
# LEFT SIDE FIREWALL/ ENGINE MOUNT BRACKET ASSEMBLY

44

(RIGHT SIDE SIMILAR)



LEFT REAR SIDE  
ENGINE RETAINER  
ASSEMBLY  
(RIGHT SIDE SIMILAR)



$\frac{3}{16}$ -32  
REG HEX NUTS  
3 REQ  
(2 MISSING)

FUEL PUMP ASS'Y BASE  
SECURED TO AL. MOUNTING PLATE  
WITH  $\frac{3}{16}$ " FLAT HD SCREWS

$\frac{1}{4}$ -26  
REG HEX NUT

ALUMINUM  
MOUNTING  
PLATE - SECURED  
TO FIREWALL  
BY  $\frac{1}{4}$ " STUD

$\frac{1}{4}$ -26  
STUD  
IN FIREWALL

$\frac{3}{16}$ -32x $\frac{13}{16}$   
FLAT HD SCREWS  
3 REQ  
(2 MISSING)

[3 HOLES IN FIREWALL  
ARE NOT USED]  
IT SEEMS

FIREWALL  
RIGHT SIDE

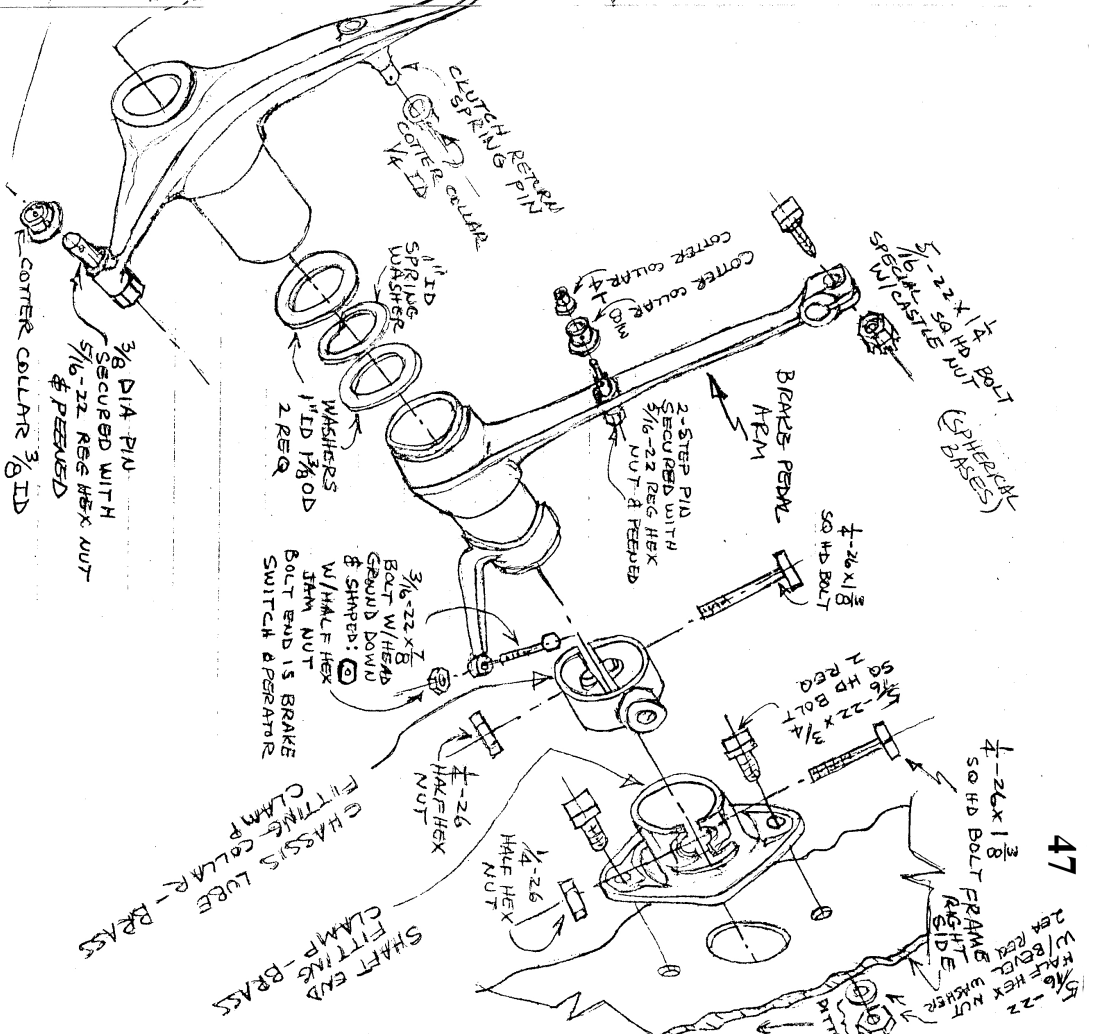
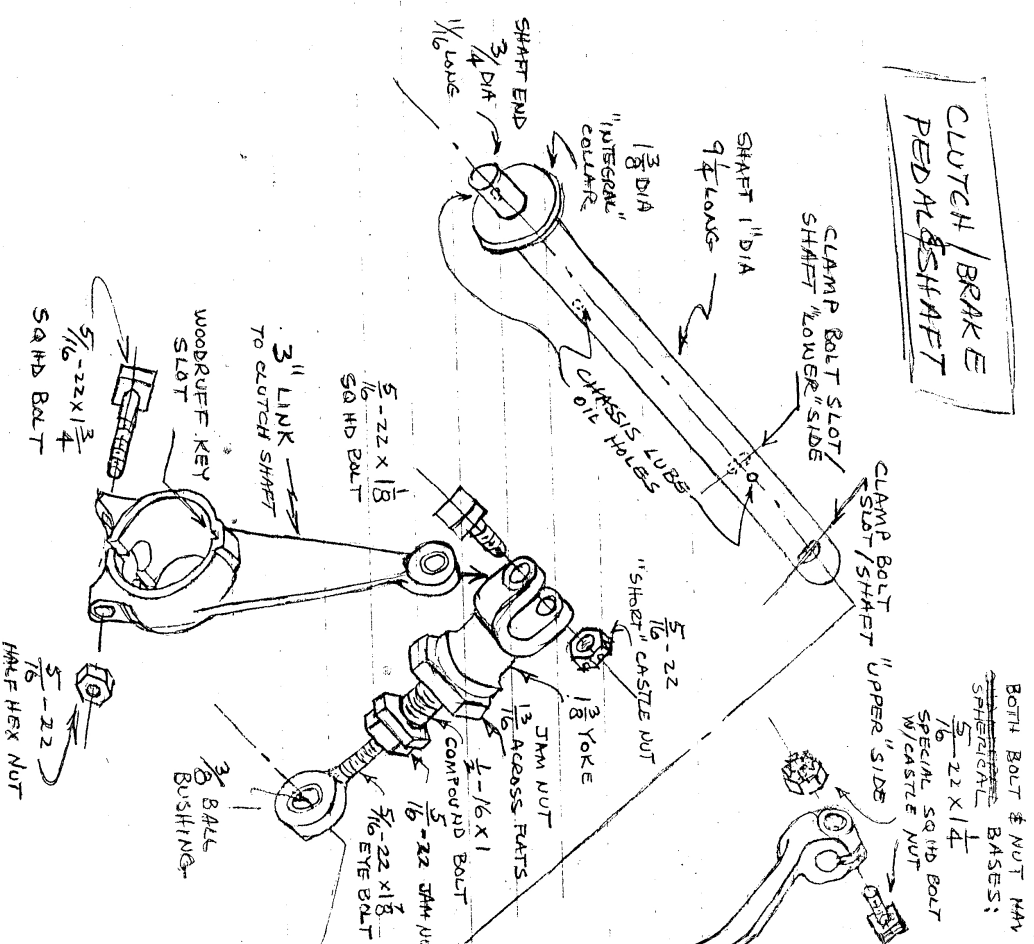
$\frac{3}{16}$ -32  
REG HEX NUT

$\frac{3}{16}$ -32  
 $\frac{1}{4}$ -26  
 $\frac{3}{4}$   
 $\frac{1}{2}$

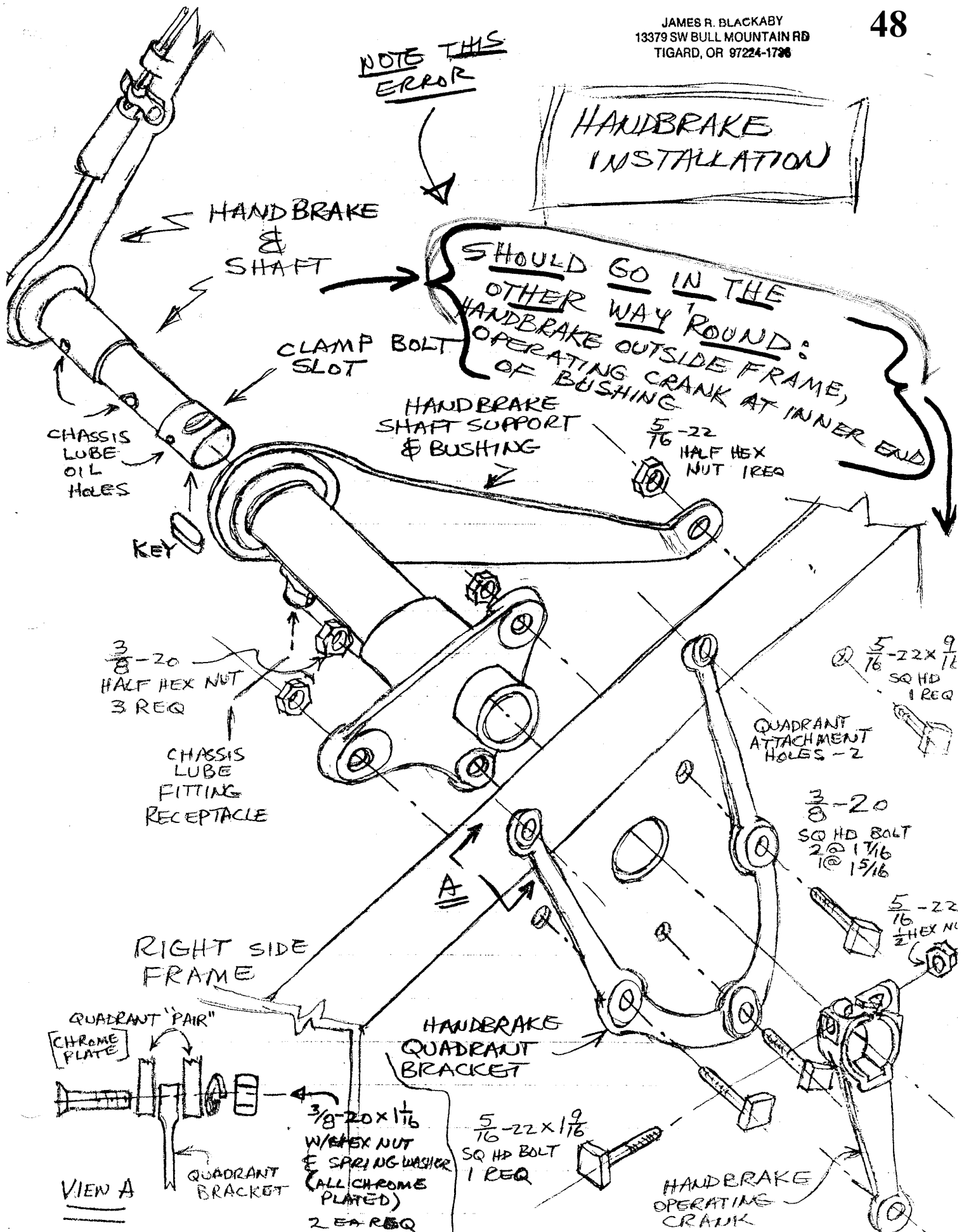
THIS STUD MAY BELONG  
HERE IN PLACE OF THE  
FH SCREW.  
IF NOT WHERE DOES IT GO?

JAMES R. BLACKABY  
13379 SW BULL MOUNTAIN RD  
TIGARD, OR 97224-1720

CLUTCH / BRAKE  
PEDAL SHAFT









TYP

FRAME  
LEFT SIDE

LEFT SIDE  
REAR FENDER/  
RUNNING BOARD  
SUPPORT ASSY  
(RIGHT SIDE SIMILAR)

 $\frac{5}{16} - 22 \times \frac{5}{8}$ 

SQ HD BOLTS  
W/HALF HEX NUTS

4 EA REQ PER SIDE

(1 MISSING ON BOTH RIGHT  
& LEFT SUPPORT)

(RUNNING BOARD/REAR FENDER  
SUPPORT

 $\frac{5}{16} - 22 \times 1$ 

SQ HD BOLT

W/REG HEX NUT

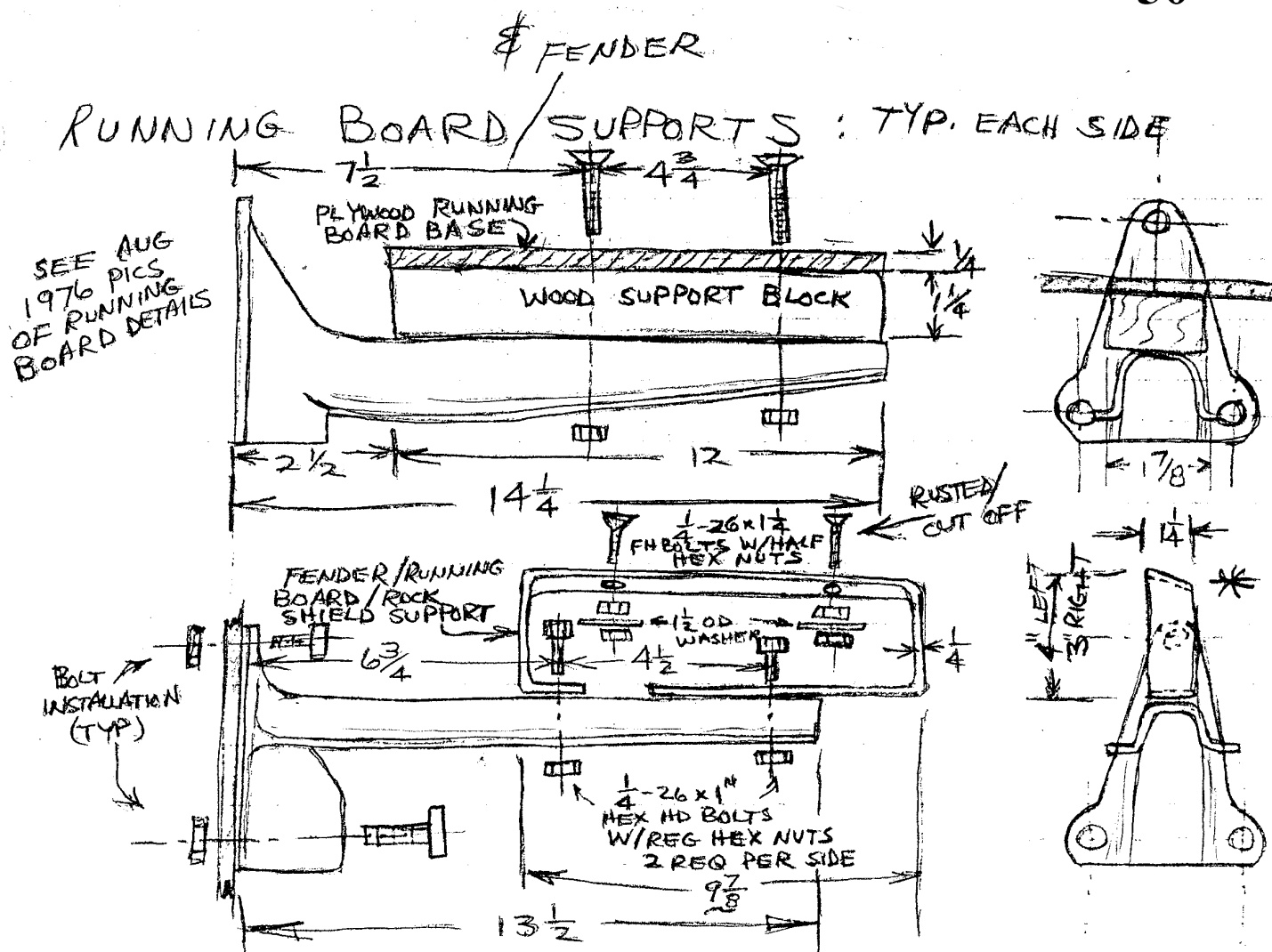
(BOTH N.G. - THROWN  
AWAY)

$\frac{1}{4} - 26 \times 14$   
FLAT HEAD SCREWS  
W/REG HEX NUTS  
& FLAT WASHERS.  
2 REQ EACH SIDE  
TO ATTACH  
RUNNING BOARD  
(2 MISSING, 2  
NO GOOD, THROWN  
AWAY)

RUNNING BOARD  
BRACKET

NOTE: RIGHT SIDE  
USED  $\frac{1}{4}$ " BOLTS  
(1 W/HALF HEX NUT  
REMAINING BUT  
RUSTY) IN WHAT  
APPEARS TO BE A  
REPLACEMENT  
RUNNING BOARD  
BRACKET; LIGHTER  
WT MATERIAL, HOLES  
SPACED DIFFERENTLY  
REQUIRING TWO  
NEW HOLES IN  
SUPPORT.

NOTES FOR  
RUNNING BOARD ASSEMBLY TO BRACKET



$3 \frac{5}{16} - 22 \times \frac{5}{8}$  SQ HD BOLTS  
 $3 \frac{5}{16} - 22$  HALF HEX NUTS

} PER SUPPORT

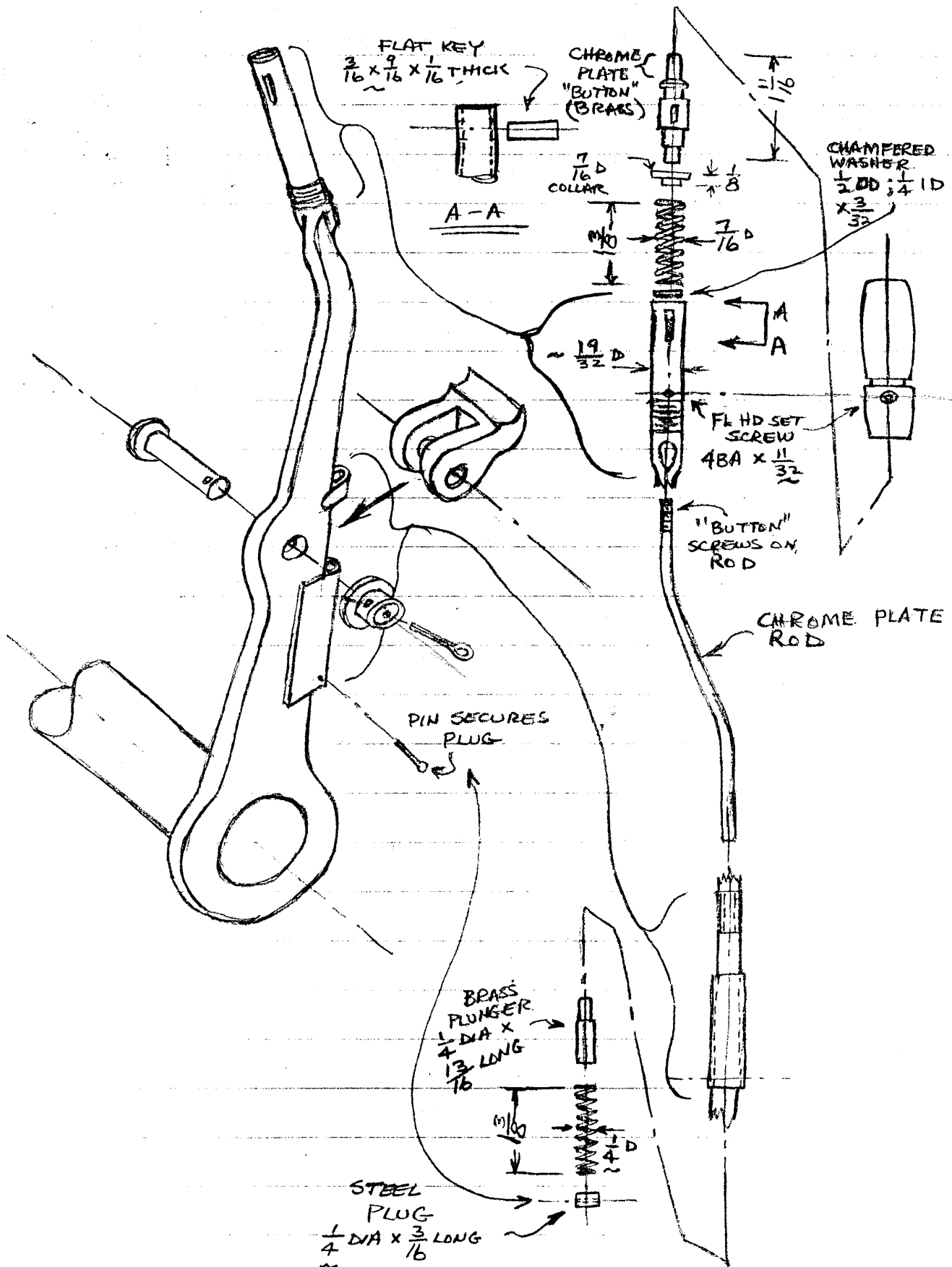
NOTE: RUNNING BOARD-TO-BRACKET SCREWS ARE  
MOSTLY NO GOOD.

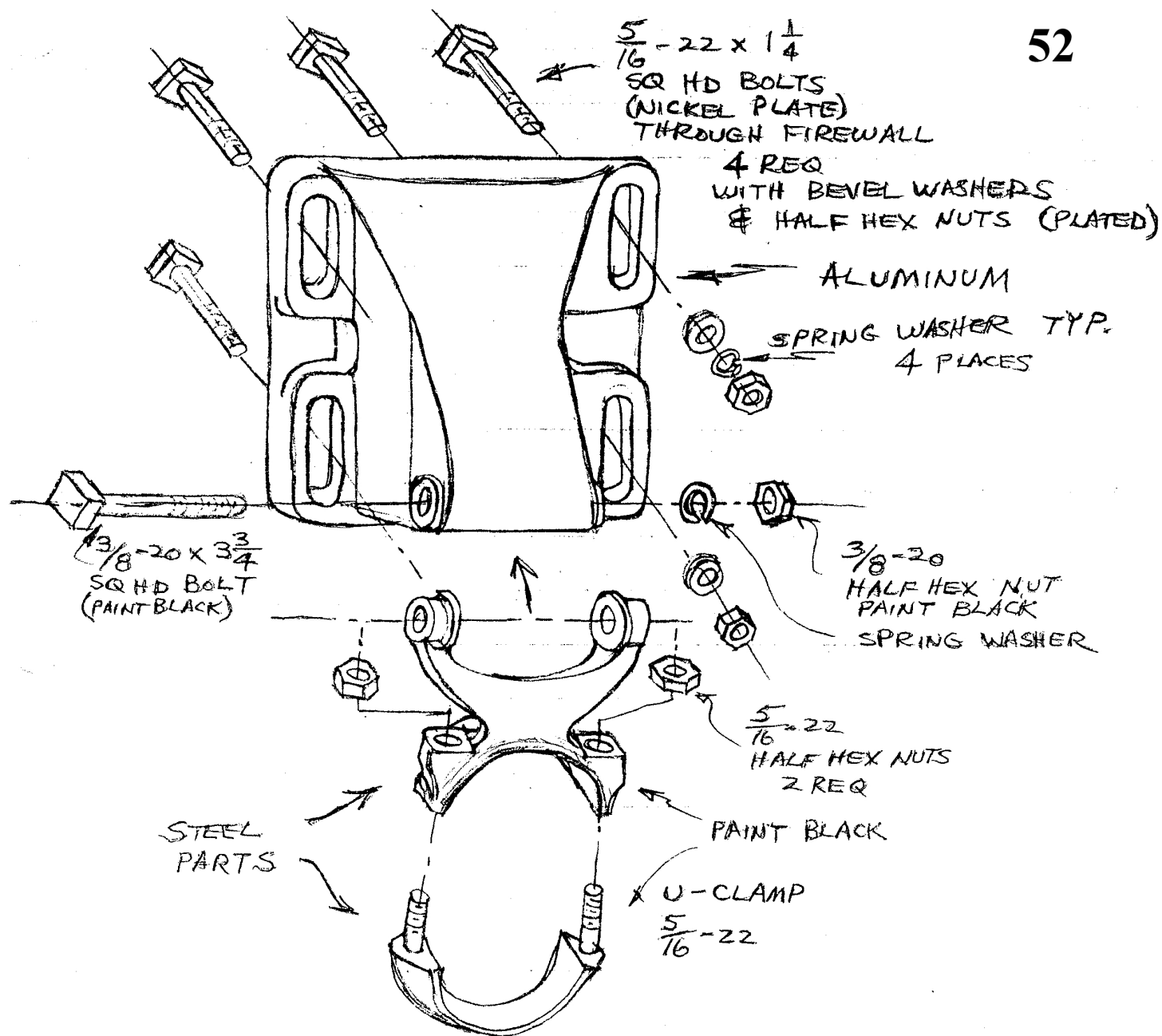
\* RIGHT SIDE HAD  $\frac{1}{2}$ " PLYWOOD FILLER BETWEEN BRACKET & RUNNING BOARD BASE PLYWOOD.

NOT SURE ABOUT LEFT SIDE, BUT LEFT BRACKET  
IS HIGHER THAN RIGHT TO BEGIN WITH — SO  
WORRY ABOUT SUCH DETAILS AT BODY RE-ASSEMBLY

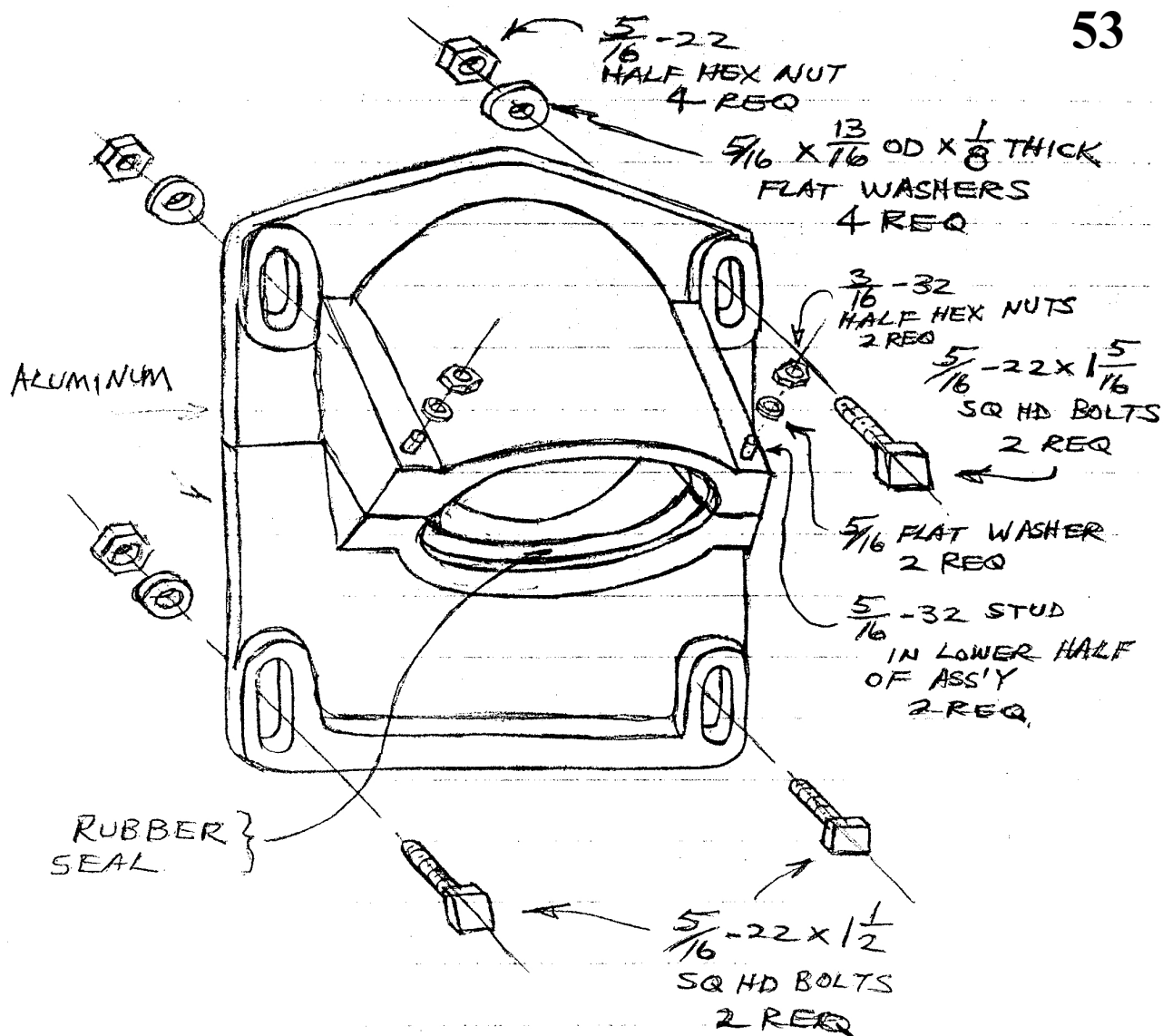
# HANDBRAKE LEVER DETAILS

51

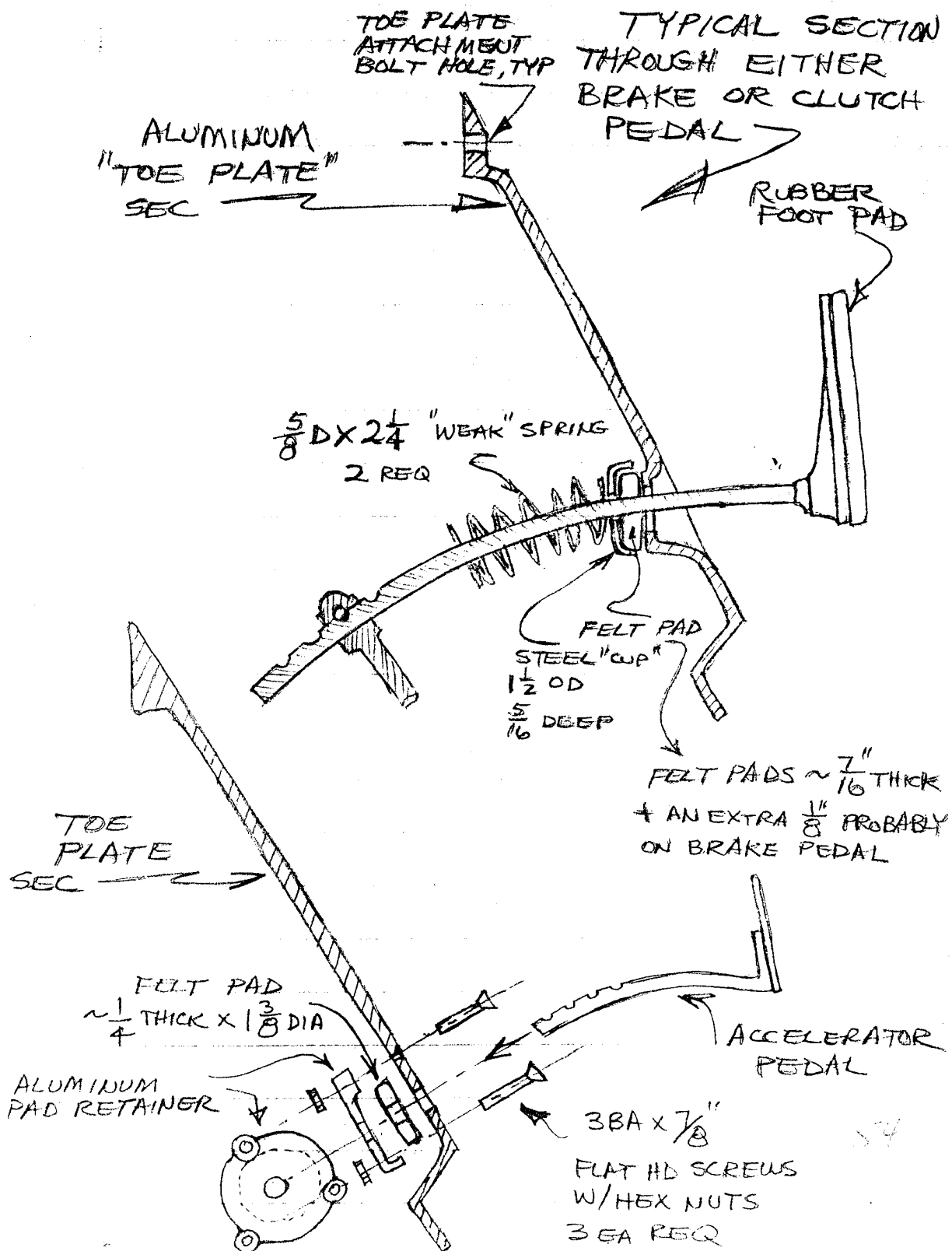




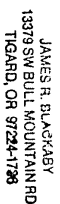
STEERING COLUMN HANGER ASSY  
 DRIVING COMPARTMENT SIDE  
 OF FIREWALL

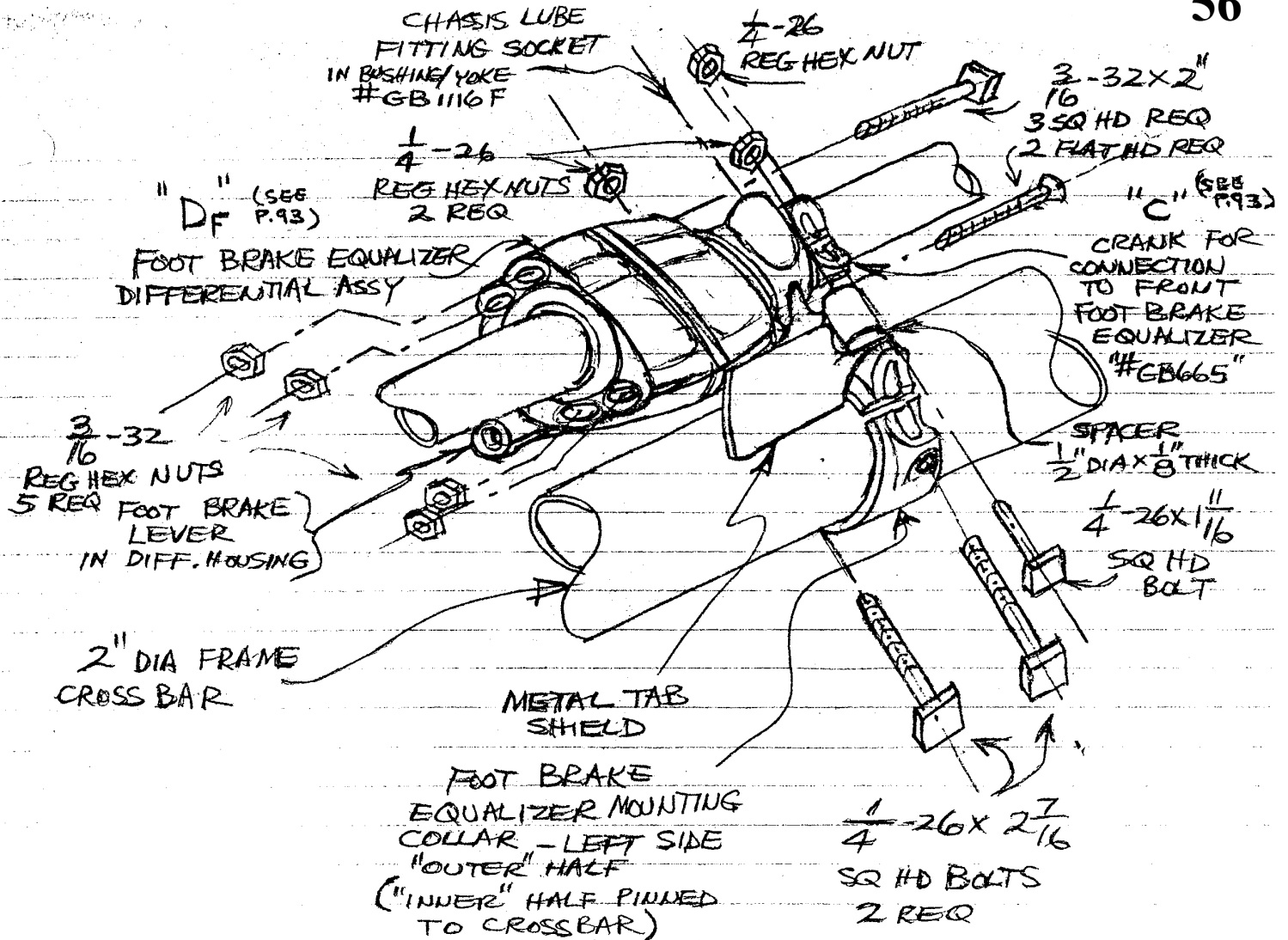


STEERING COLUMN CLAMP ASS'Y  
ENGINE COMPARTMENT SIDE  
OF FIREWALL  
[BLACK-PAINTED ALUMINUM]





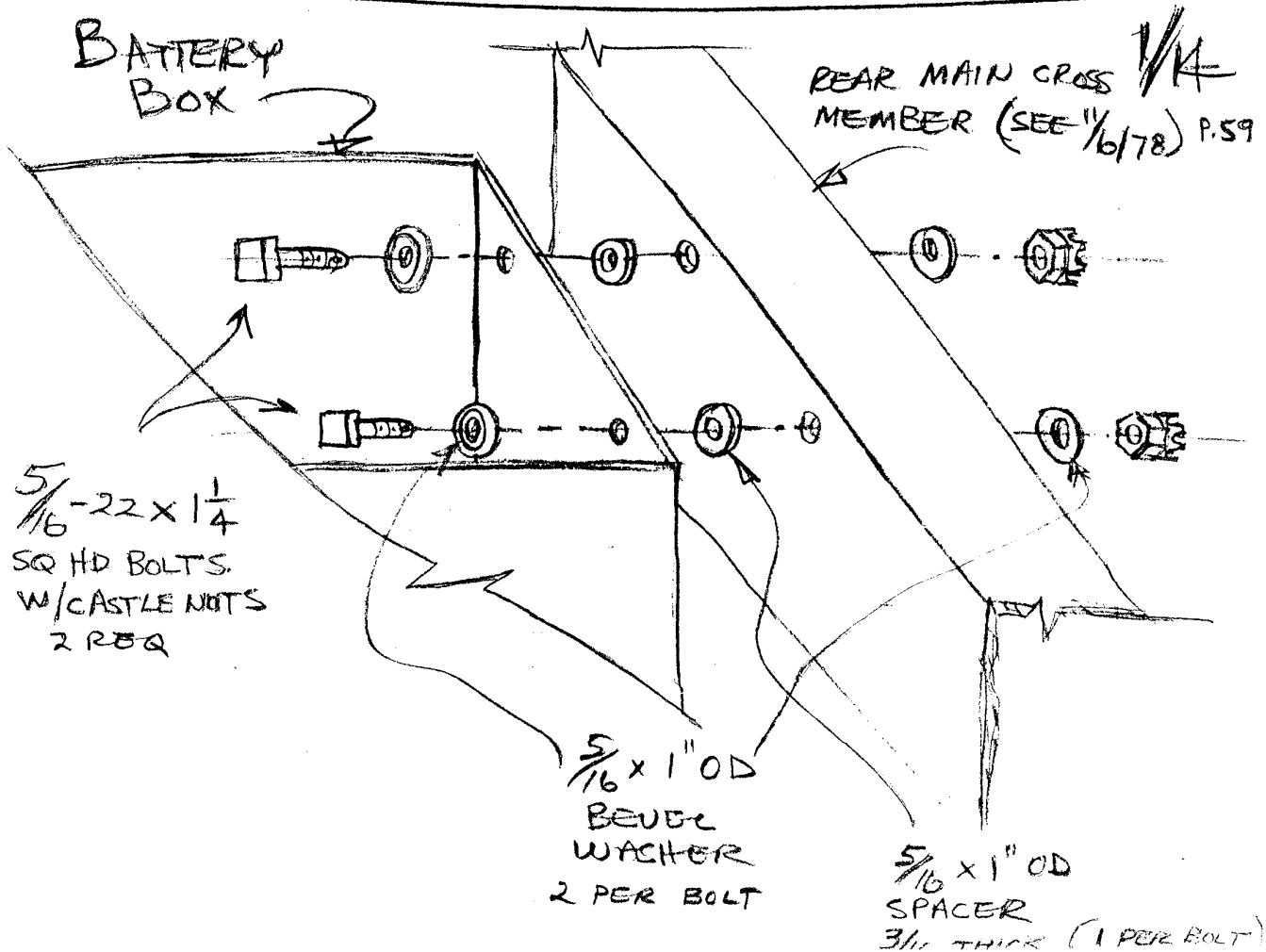
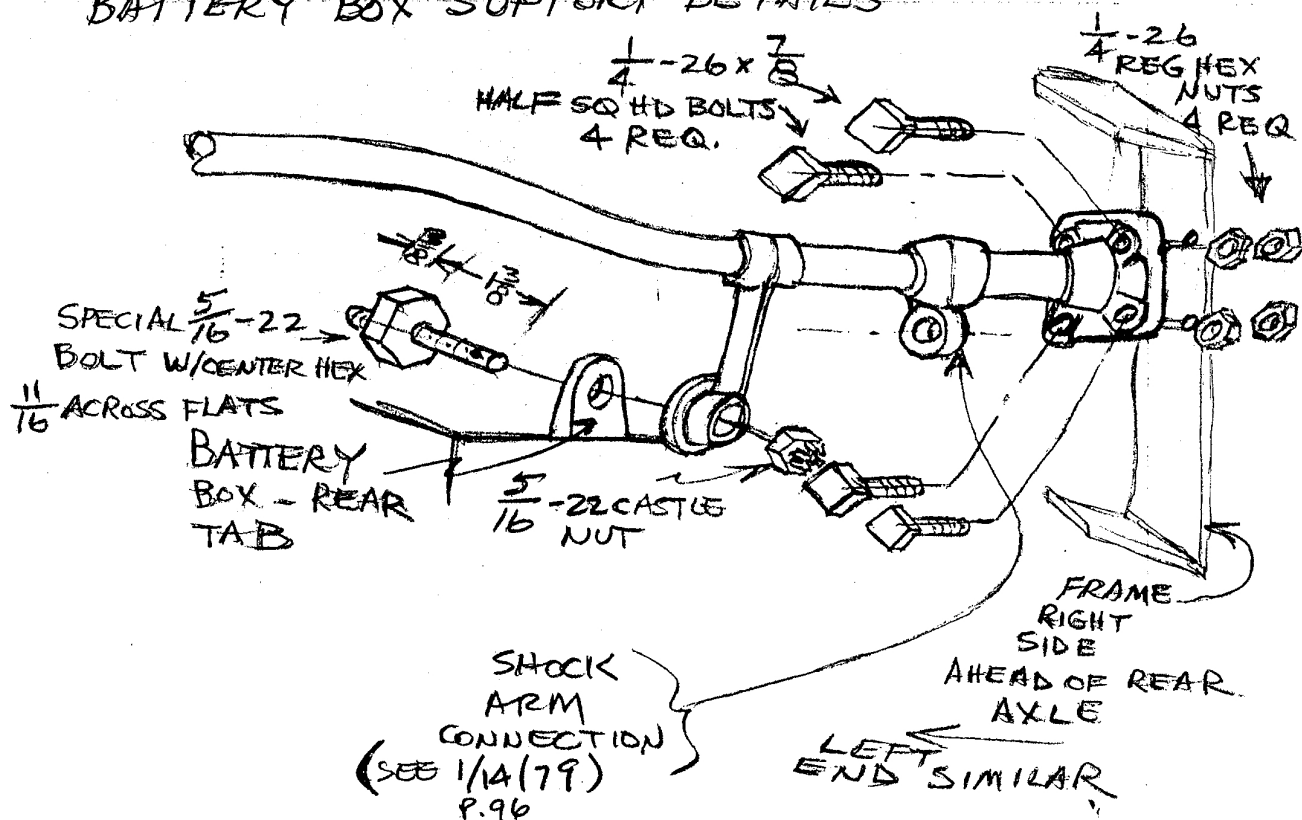




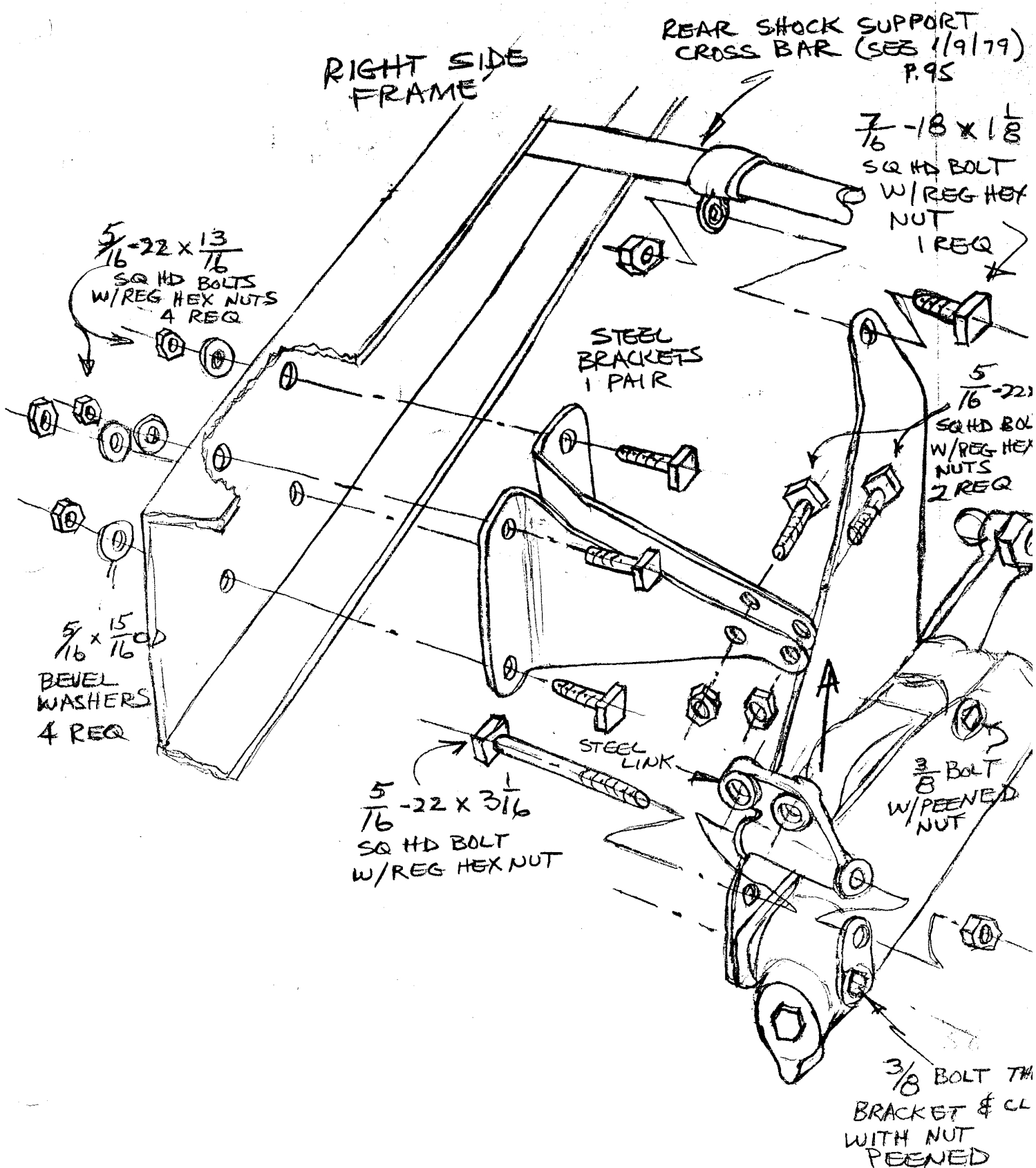
SEE PG 67 FOR ADDITIONAL DETAILS OF  
TYPICAL EQUALIZER DIFFERENTIAL ASSEMBLY

# REAR SHOCK SUPPORT CROSS BAR & BATTERY BOX SUPPORT DETAILS

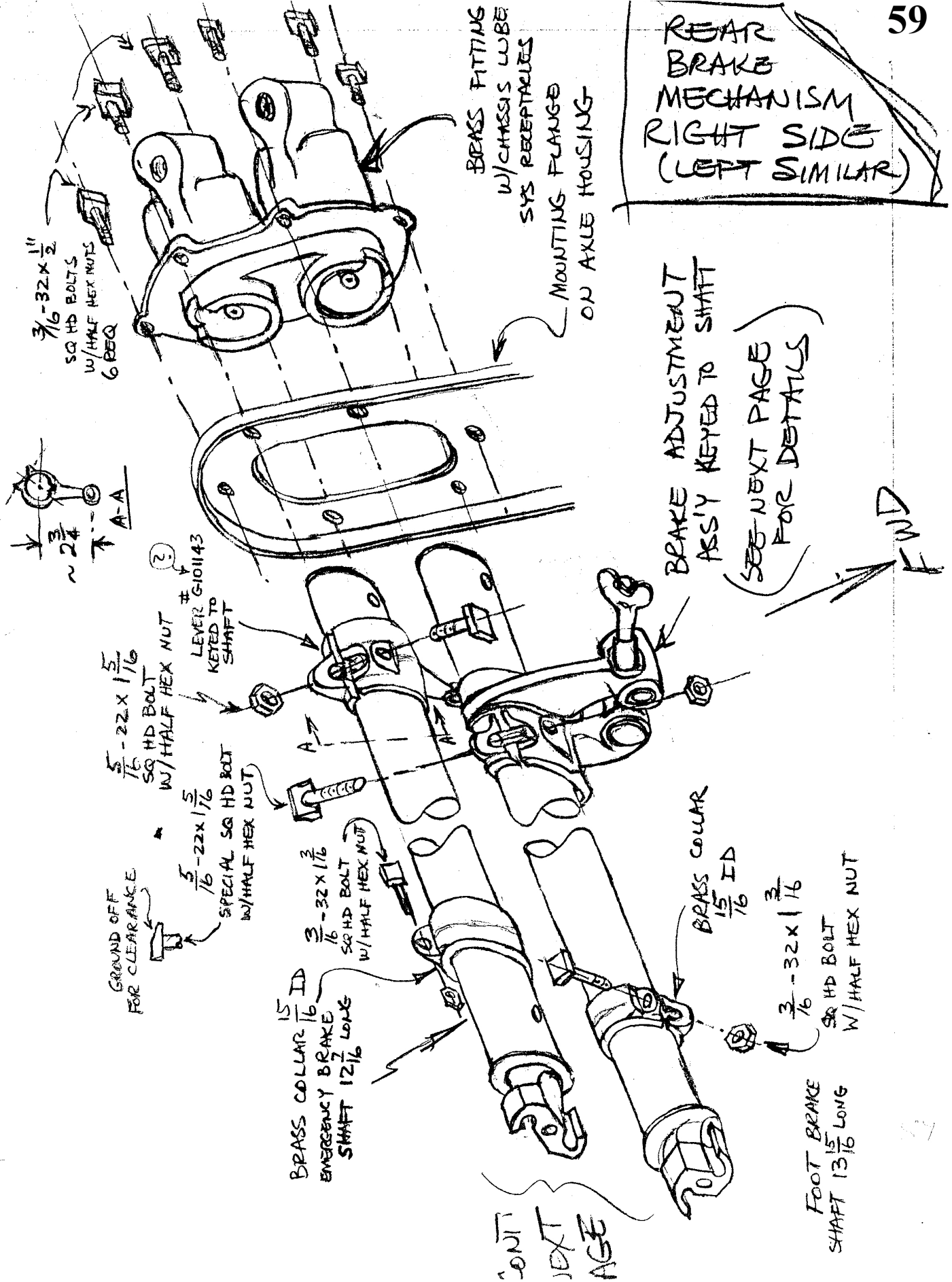
57



# RIGHT REAR SHOCK DAMPER INSTALLATION (LEFT SIMILAR)



REAR  
BRAKE  
MECHANISM  
RIGHT SIDE  
(LEFT SIMILAR)





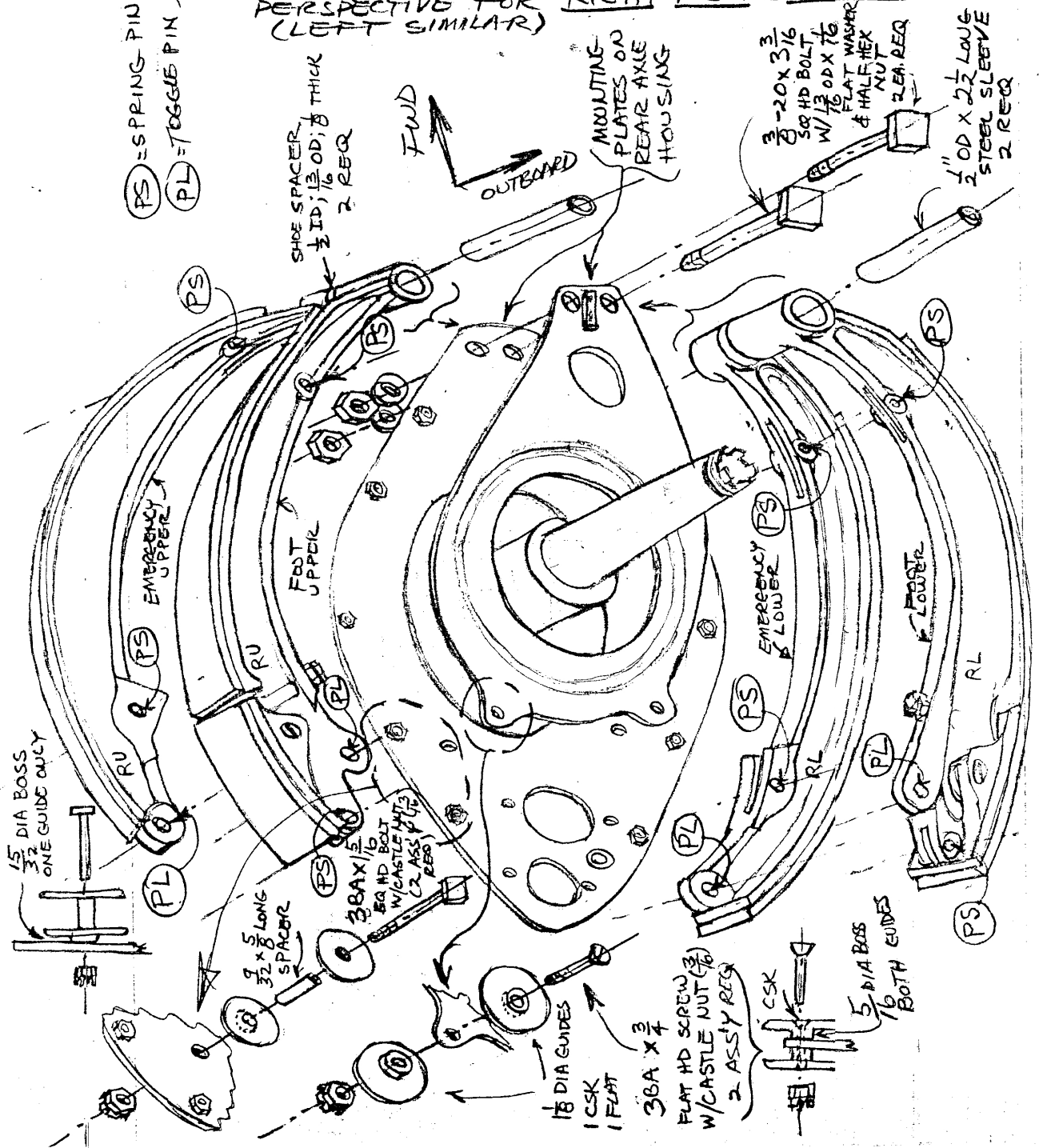


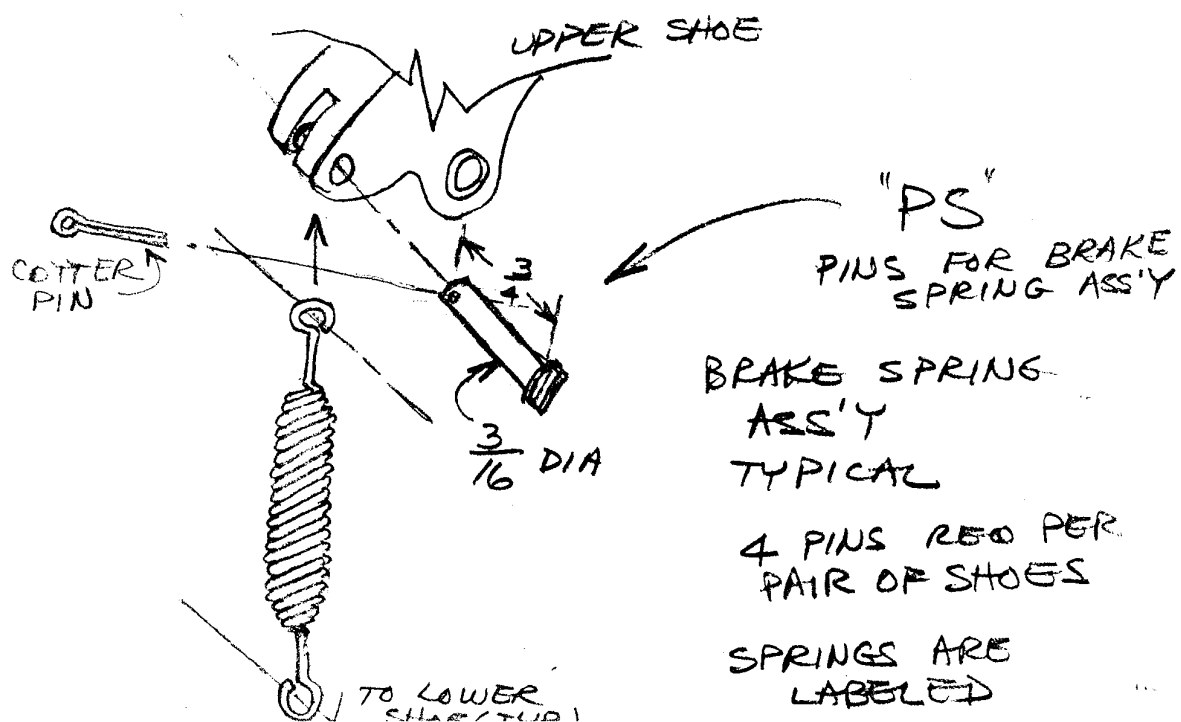
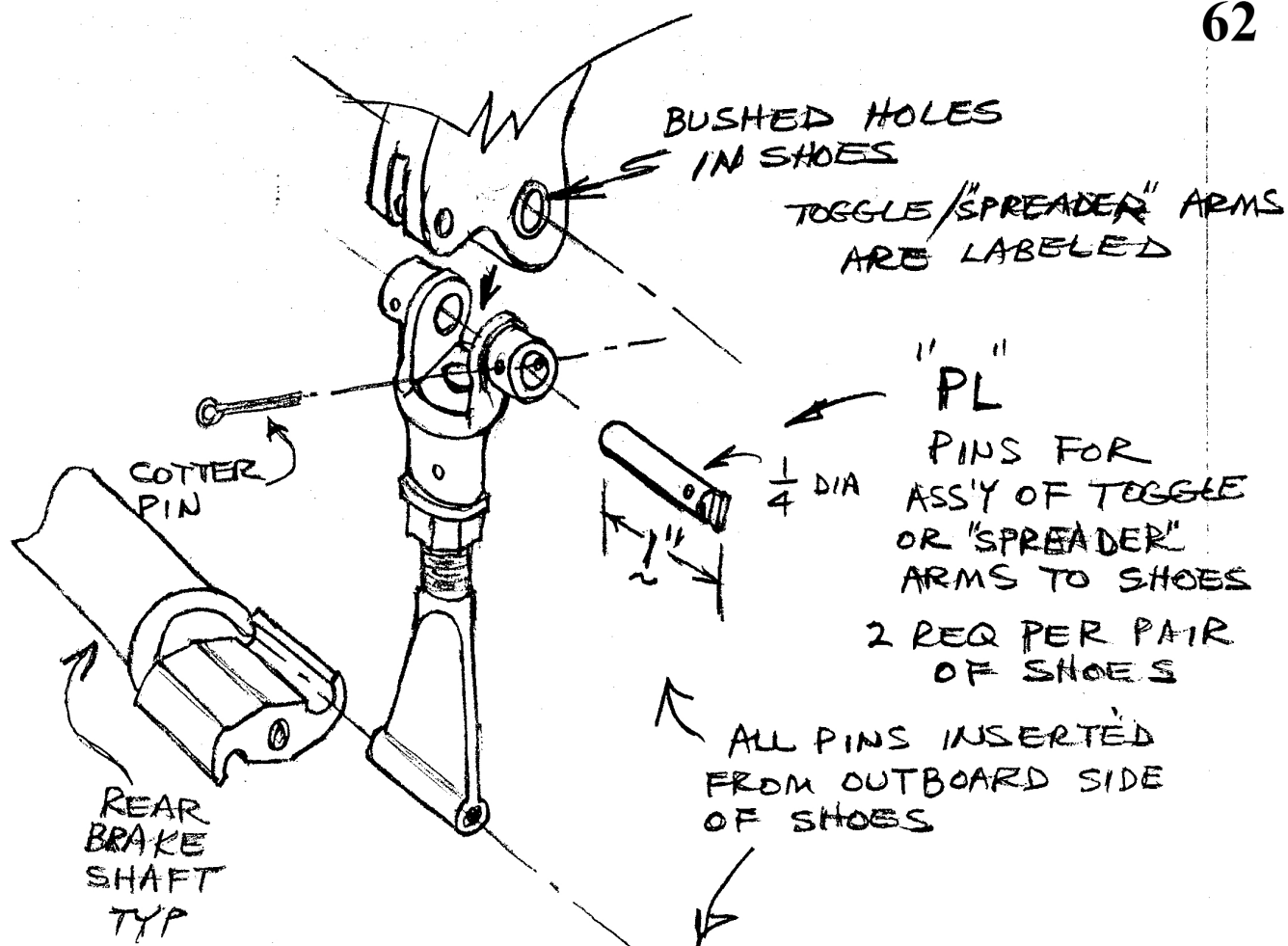


# REAR BRAKE DETAILS, CONT

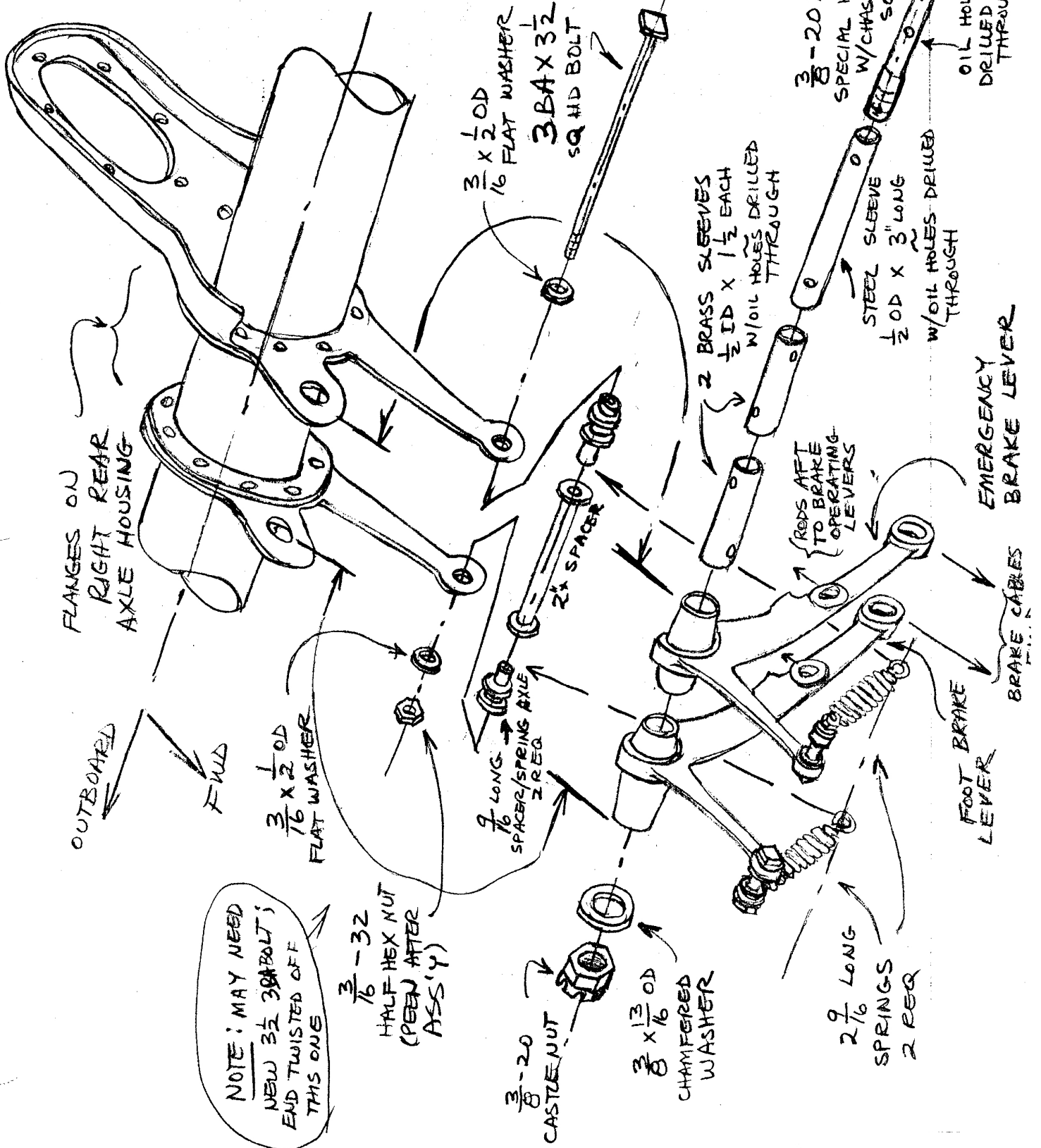
61

NOTE: "VIEWING DIRECTION" CHOSEN FOR DETAILS 1/14 & 1/5 WAS AWKWARD, SO THE FOLLOWING SKETCHES ARE FROM A DIFFERENT & MAYBE BETTER PERSPECTIVE FOR RIGHT REAR DETAILS. (LEFT SIMILAR)





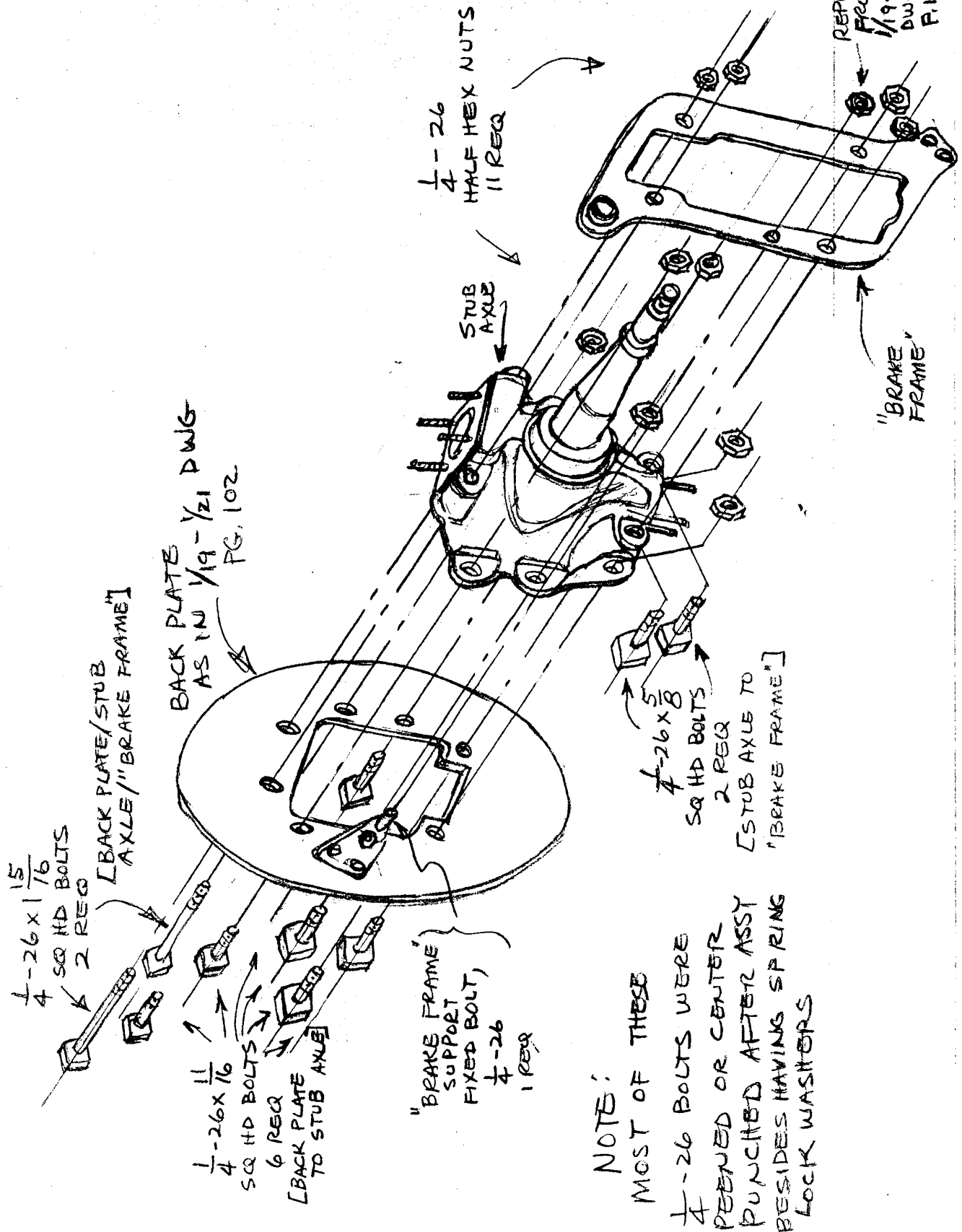
# BRAKE OPERATOR LEVERS AT RIGHT REAR AXLE (LEFT SIMILAR)



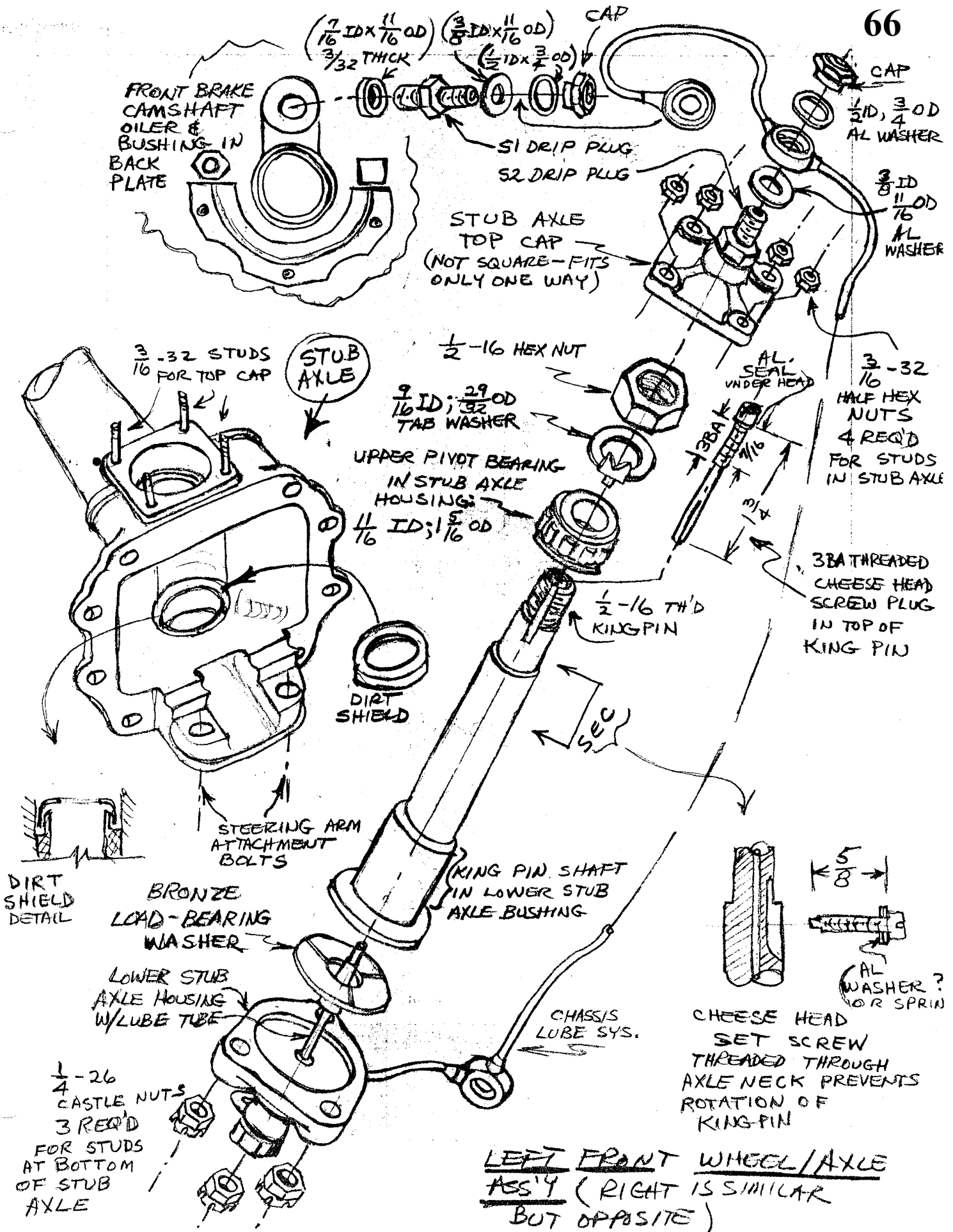


# LEFT FRONT WHEEL BACK PLATE/STUB AXLE/BRAKE FRAME (RIGHT ASS'Y SIMILAR)

65



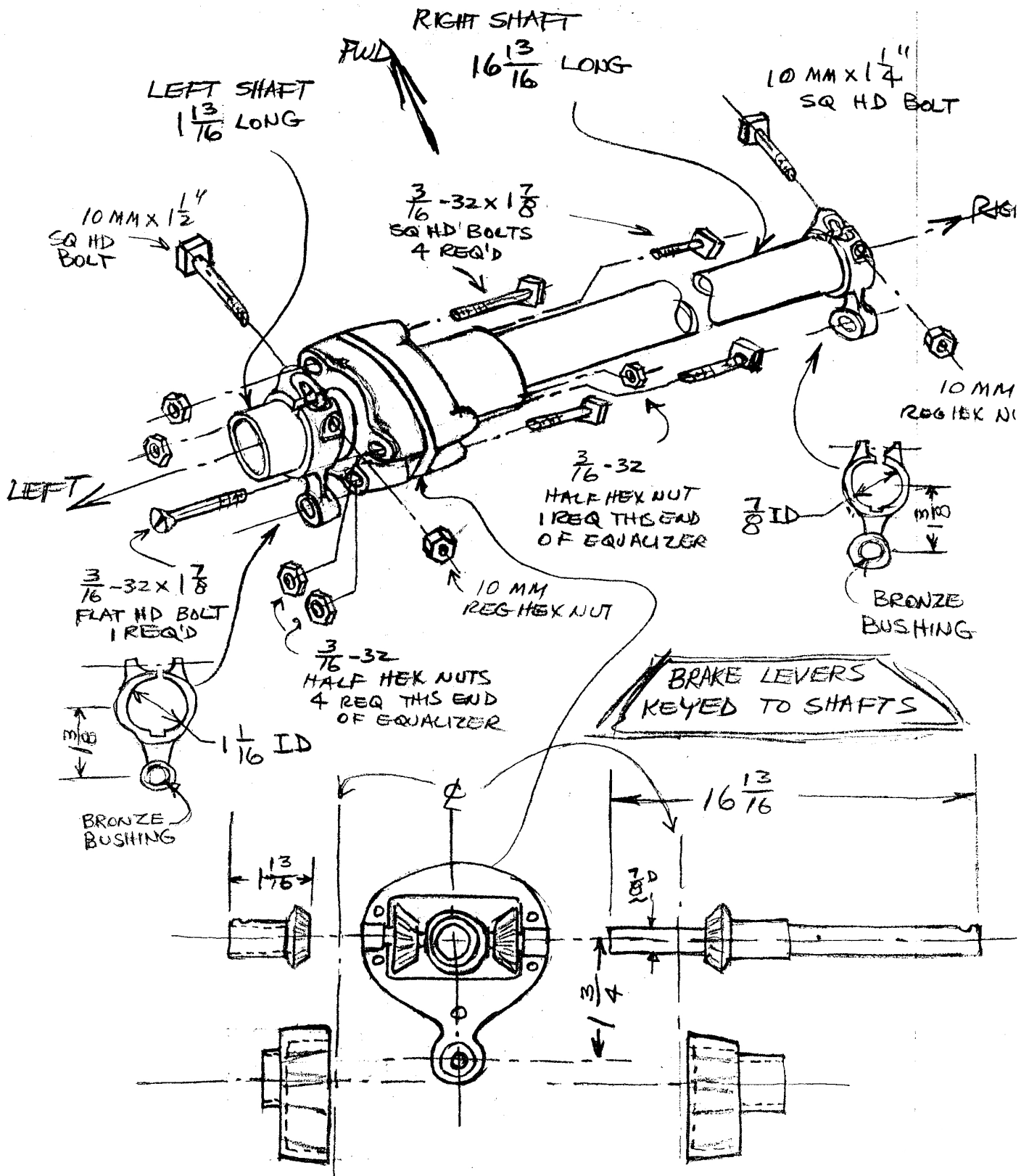






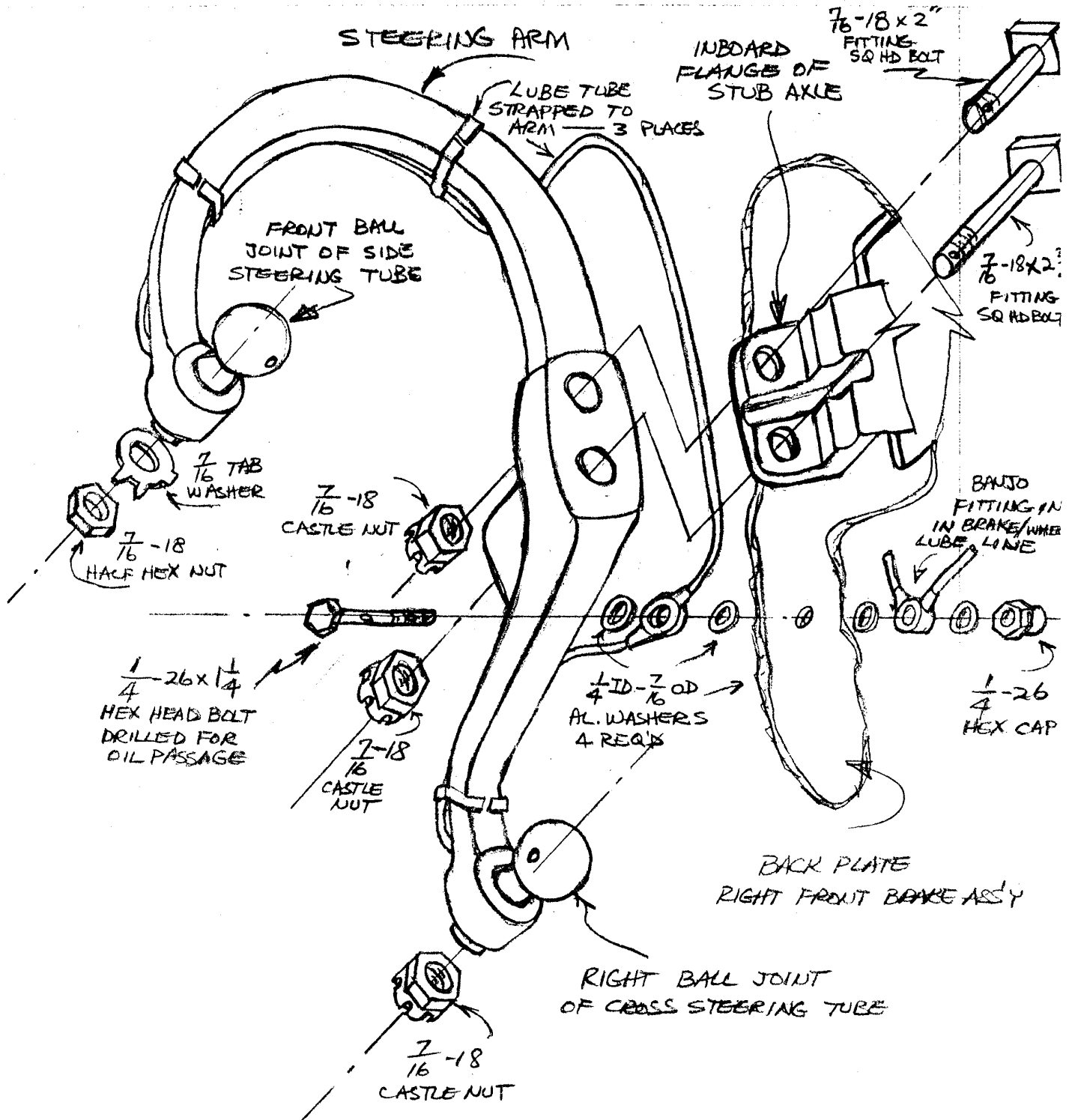
# FRONT BRAKE EQUALIZER

67



# RIGHT FRONT STEERING ARM

68

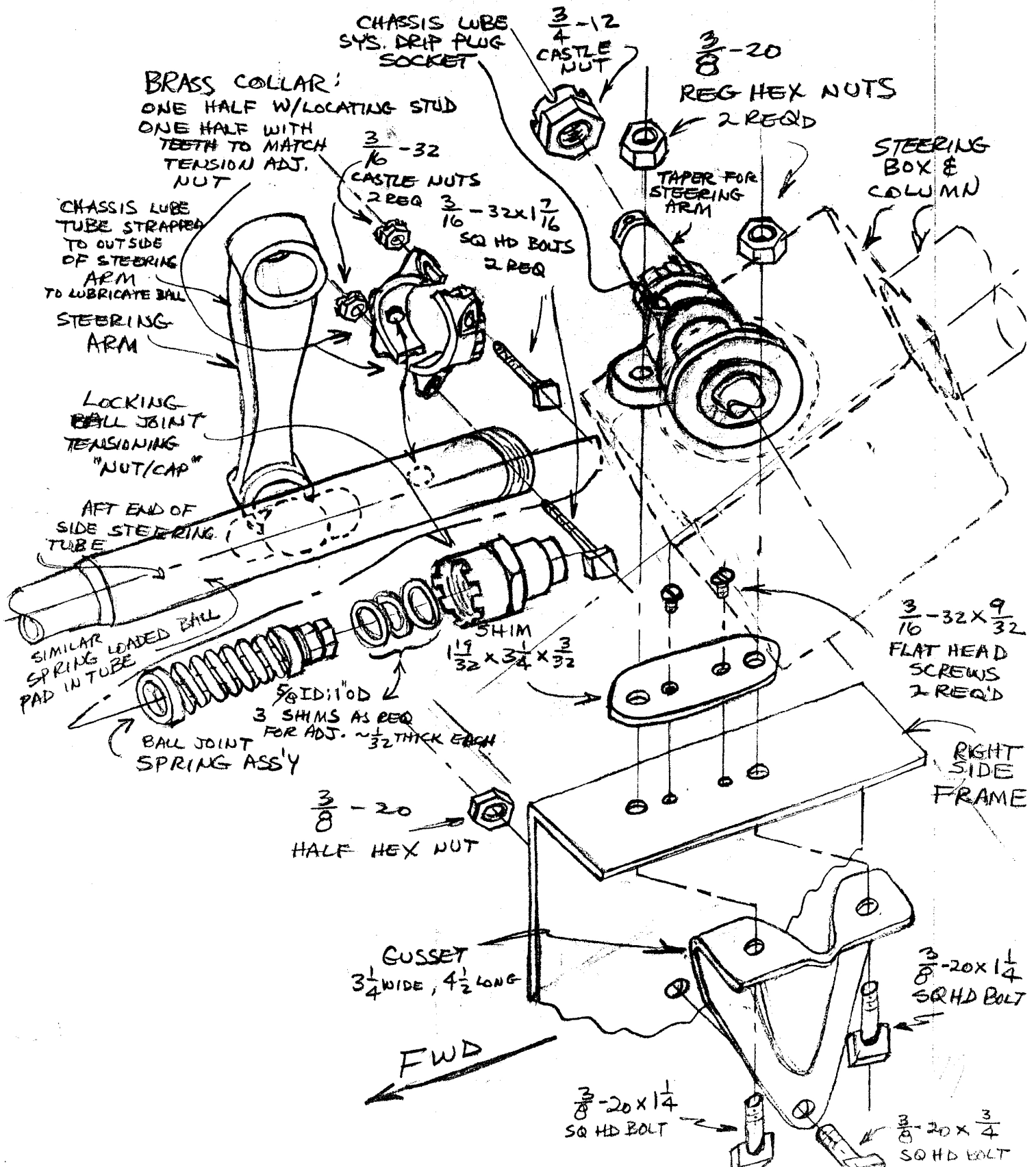


(LEFT STEERING ARM IS SIMILAR BUT WITHOUT "GOOSE NECK" & SIDE STEERING TUBE BALL JOINT)

# STEERING BOX & ARM

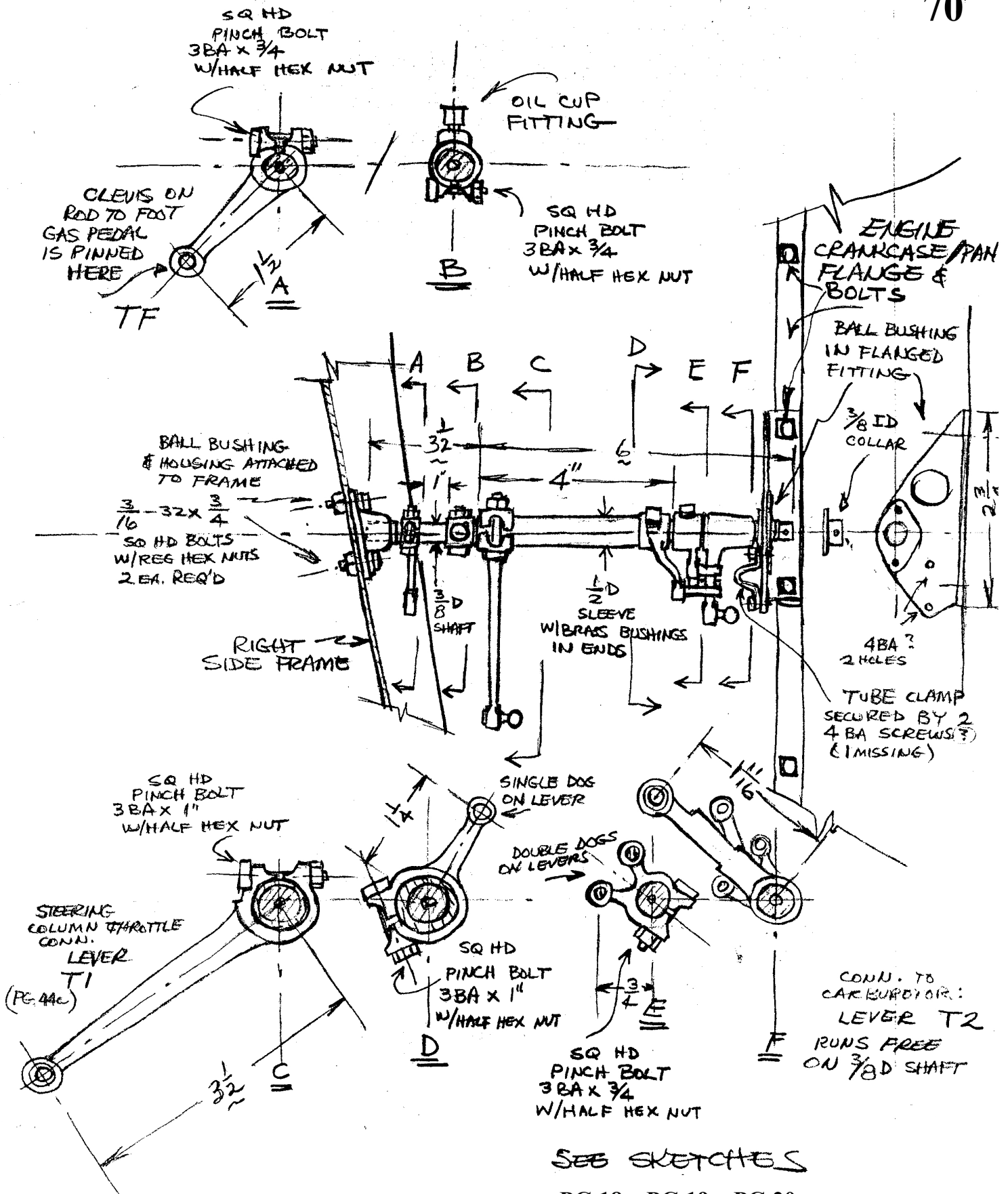
69

SEE PG 18 FOR CONTROL ROD  
DETAILS AT BASE OF STEERING BOX.



# INTERMEDIATE THROTTLE PIVOT ASSY

70



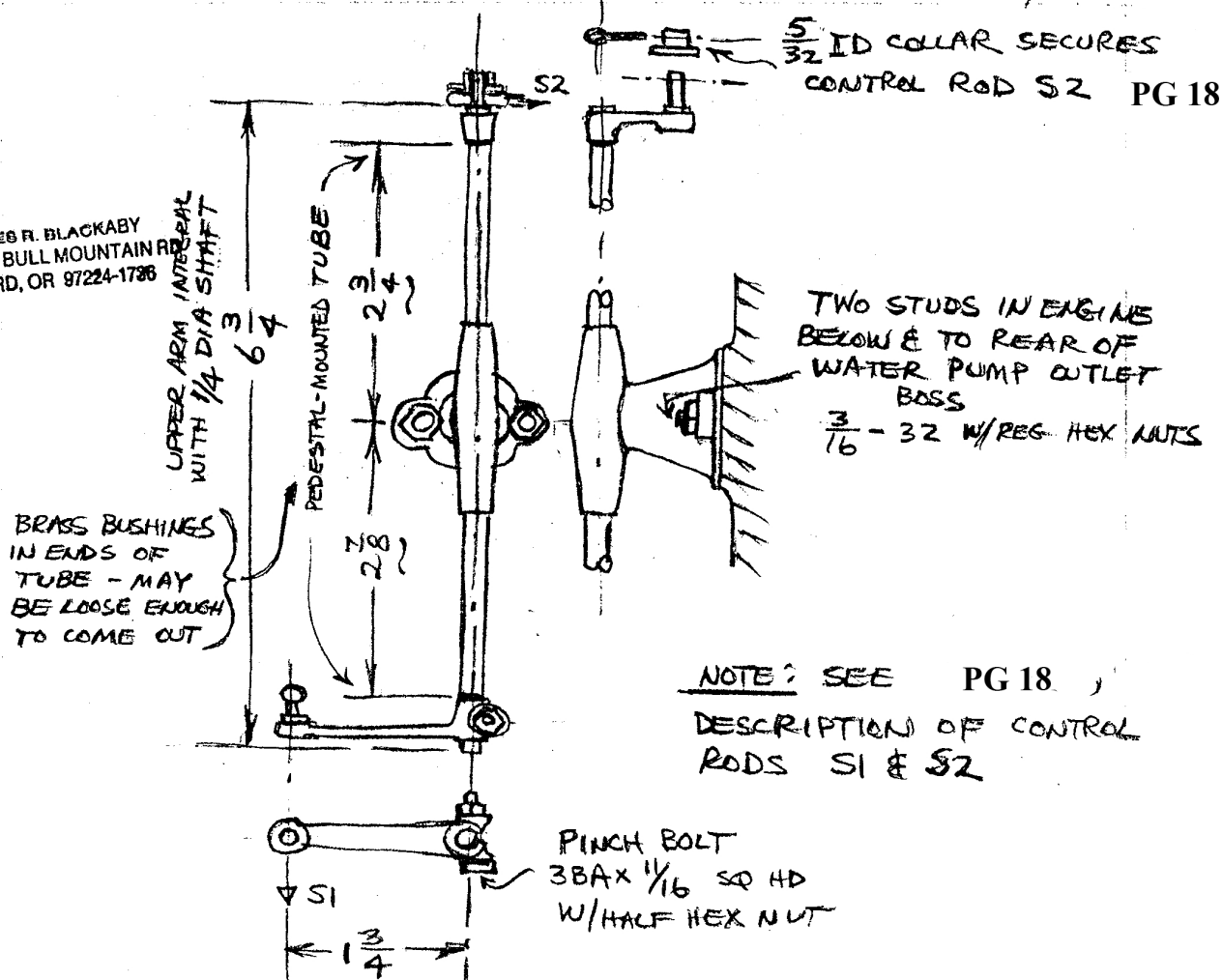
SEE SKETCHES

PG 18 PG 19 PG 20

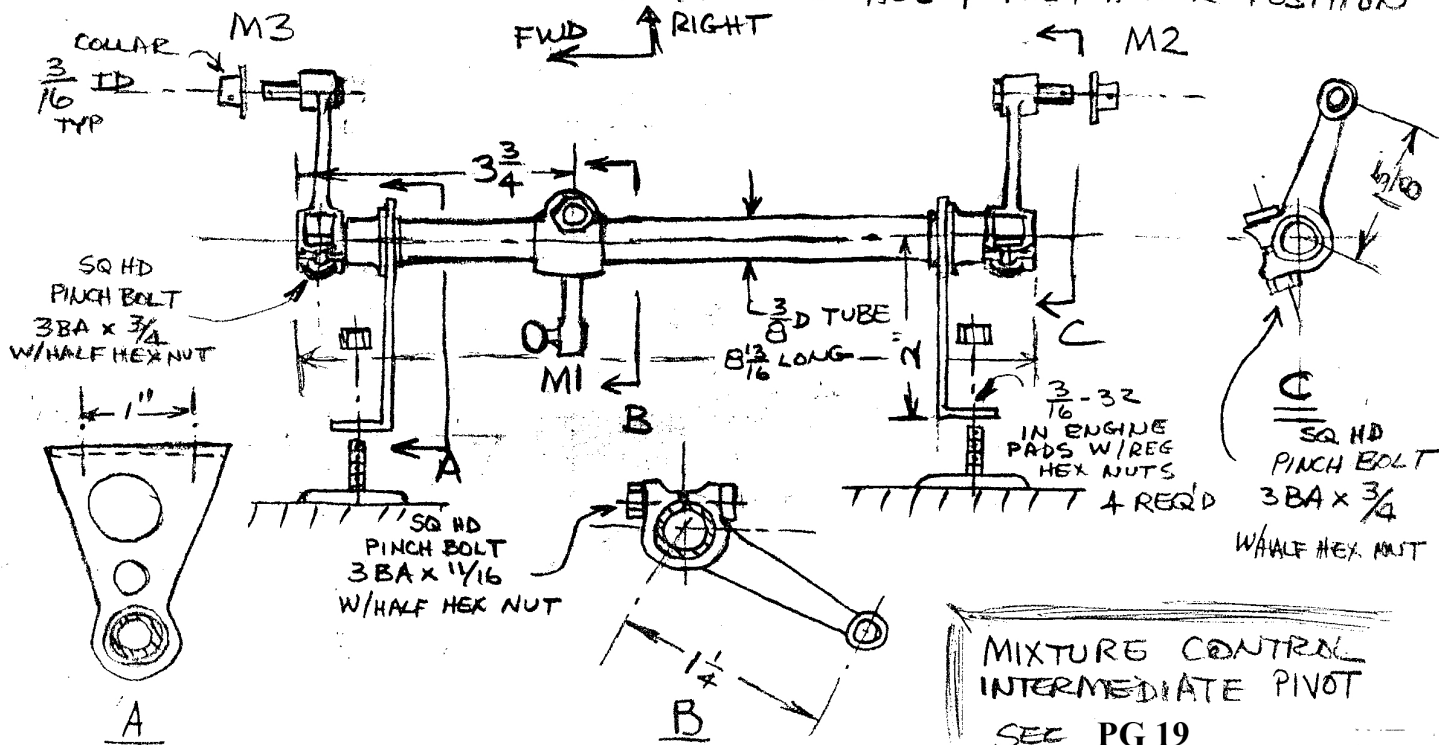
# INTERMEDIATE SPARK CONTROL PIVOT ASS'Y

71

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13379 SW BULL MOUNTAIN RD  
TIGARD, OR 97224-1736



## PLAN VIEW OF THIS ASS'Y FROM A POOR POSITION

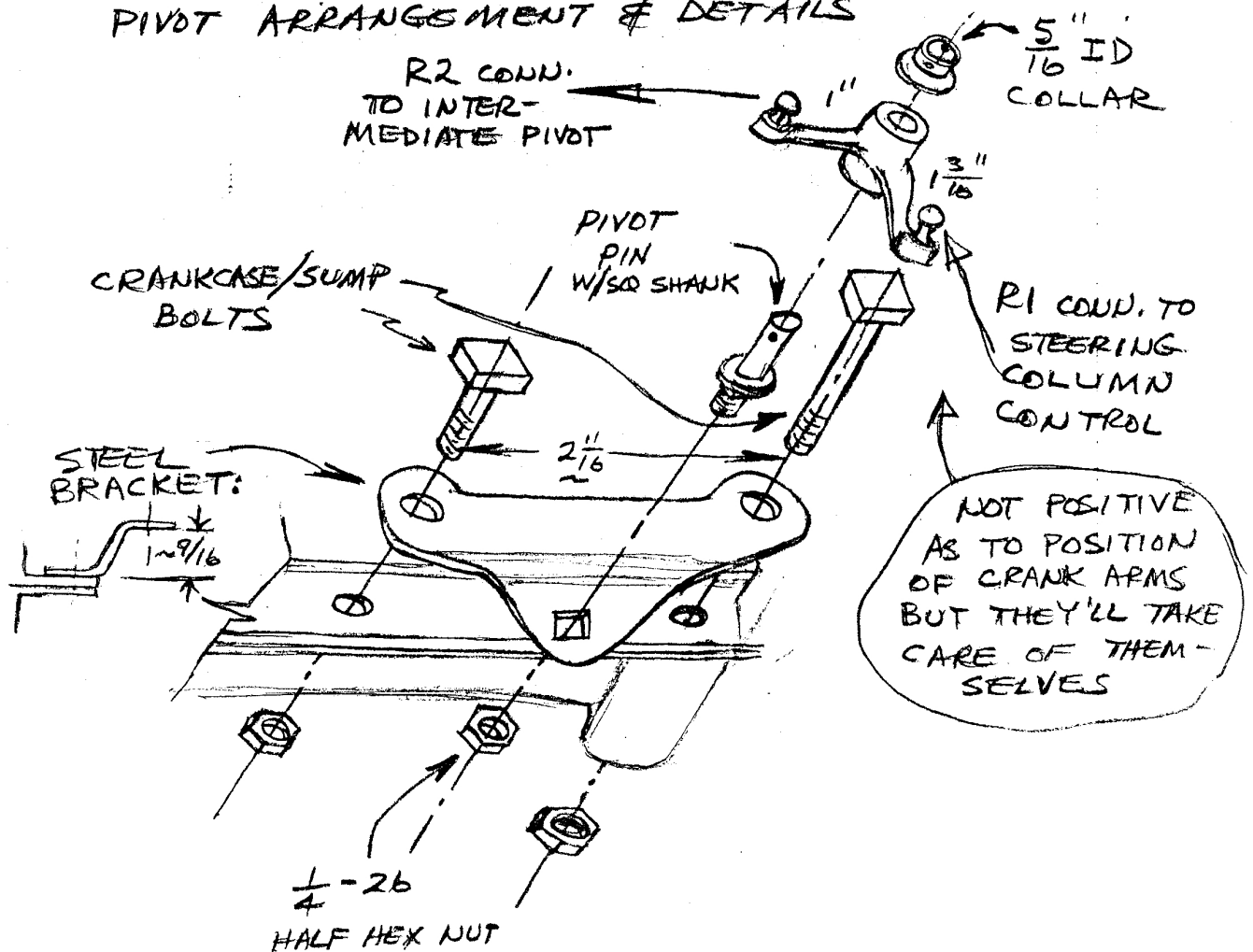




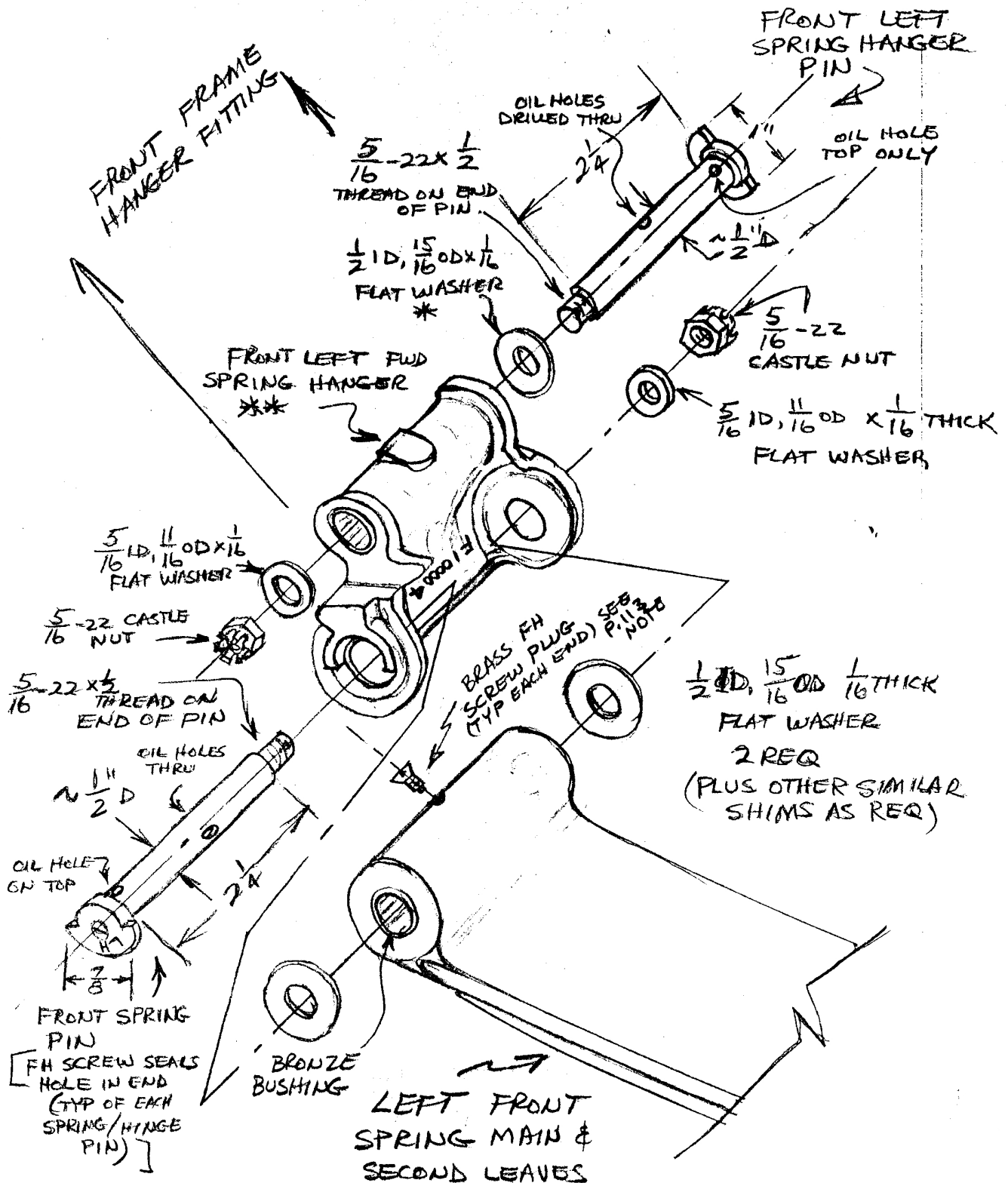
## RIDE CONTROL LINKAGES

72

SEE PG 19 A FOR INTERMEDIATE  
PIVOT ARRANGEMENT & DETAILS

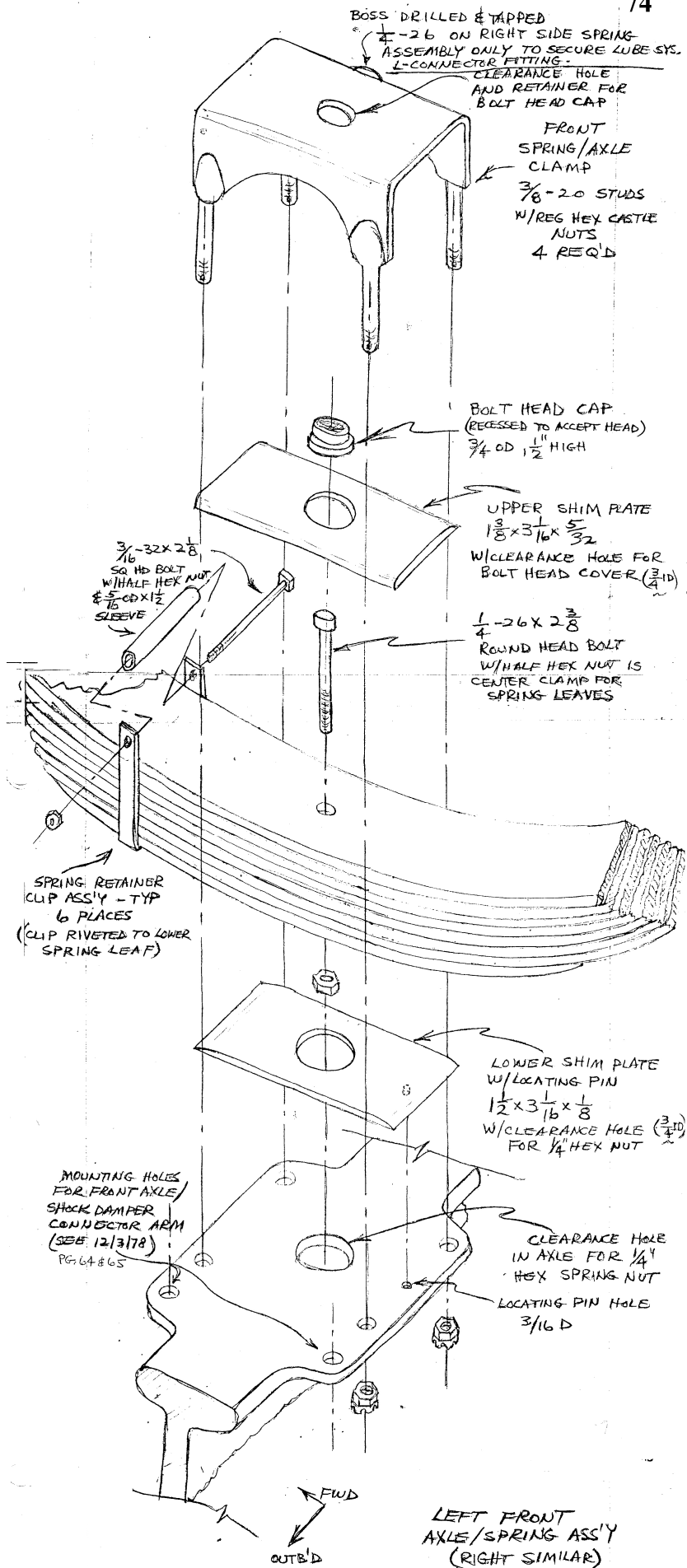


# LEFT FRONT SPRING, FWD HANGER ASS'Y 73 (RIGHT SIMILAR)



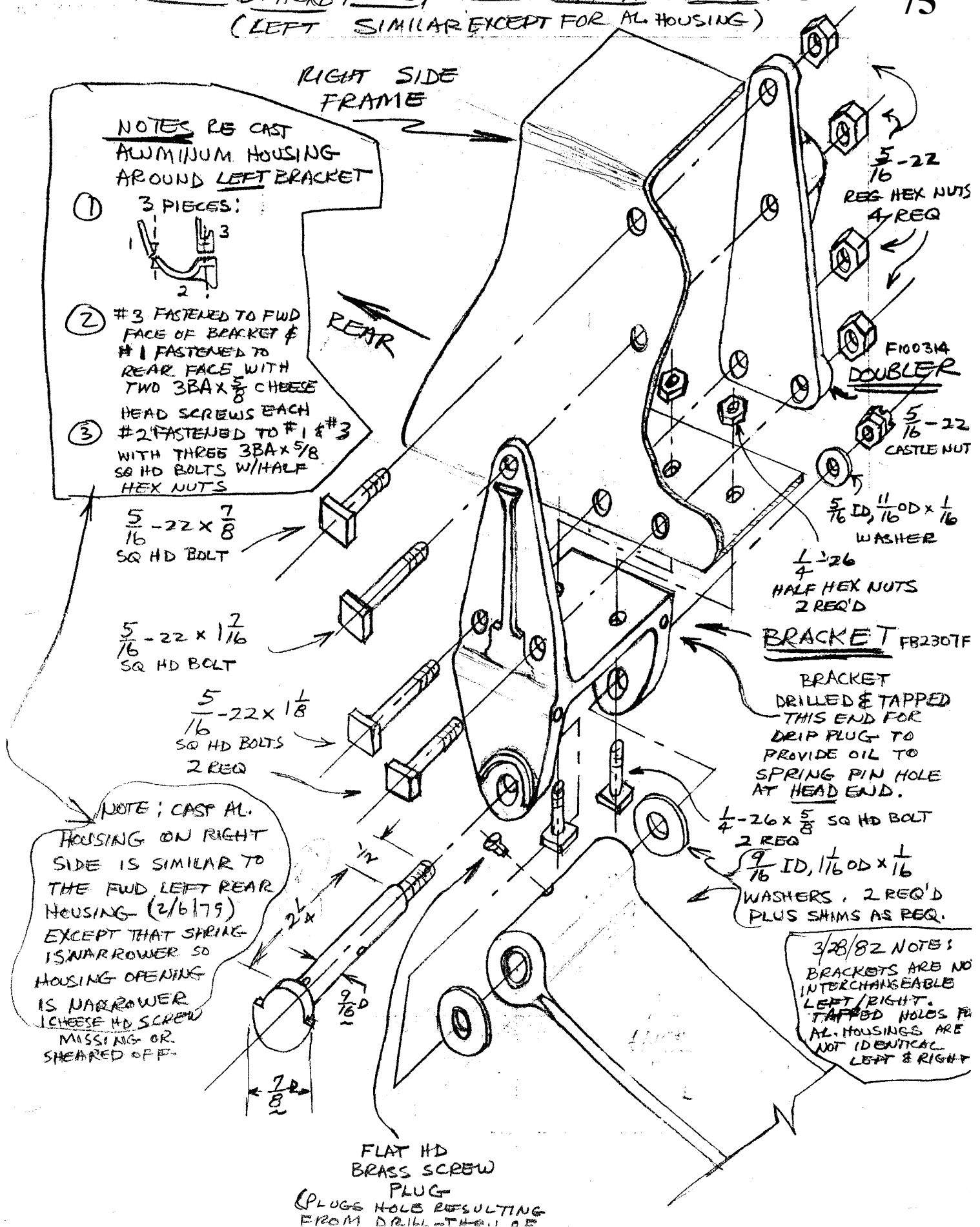
\*\* RIGHT SIDE SPRING HANGER IS PART # F100006

\* ON RIGHT SIDE THERE WERE TWO OF THESE WASHER/SPACERS, ONE AT EACH END OF SPRING HANGER; USE WHATEVER FITS.



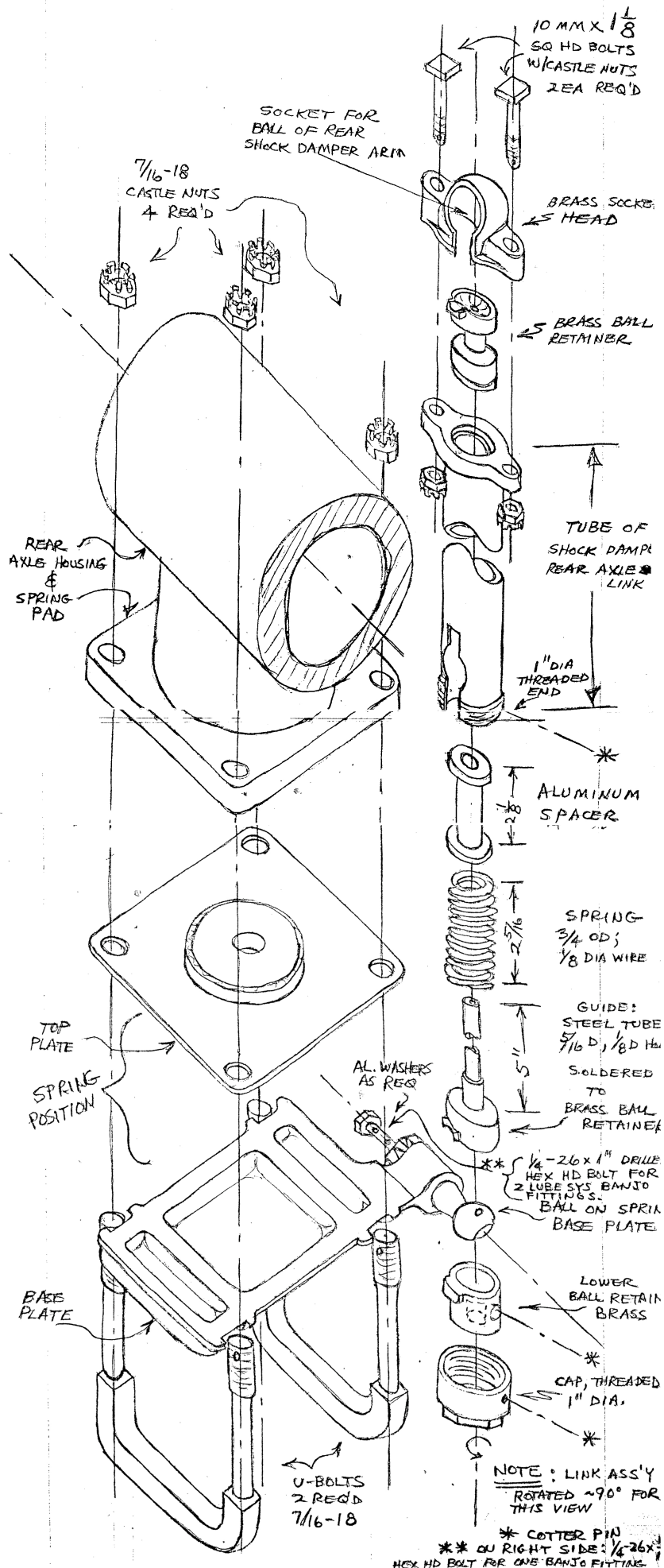
# REAR BRACKET ASS'Y FOR RIGHT FRONT SPRING (LEFT SIMILAR EXCEPT FOR AL HOUSING)

75



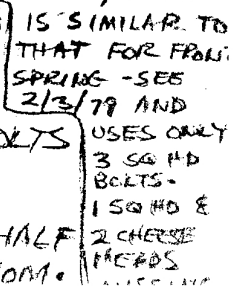
LEFT REAR SPRING/AXLE ASSY  
(RIGHT SIMILAR)  
SEE PICTURE - FIG. 17, PG 46 OF HANDBOOK

76





## 77

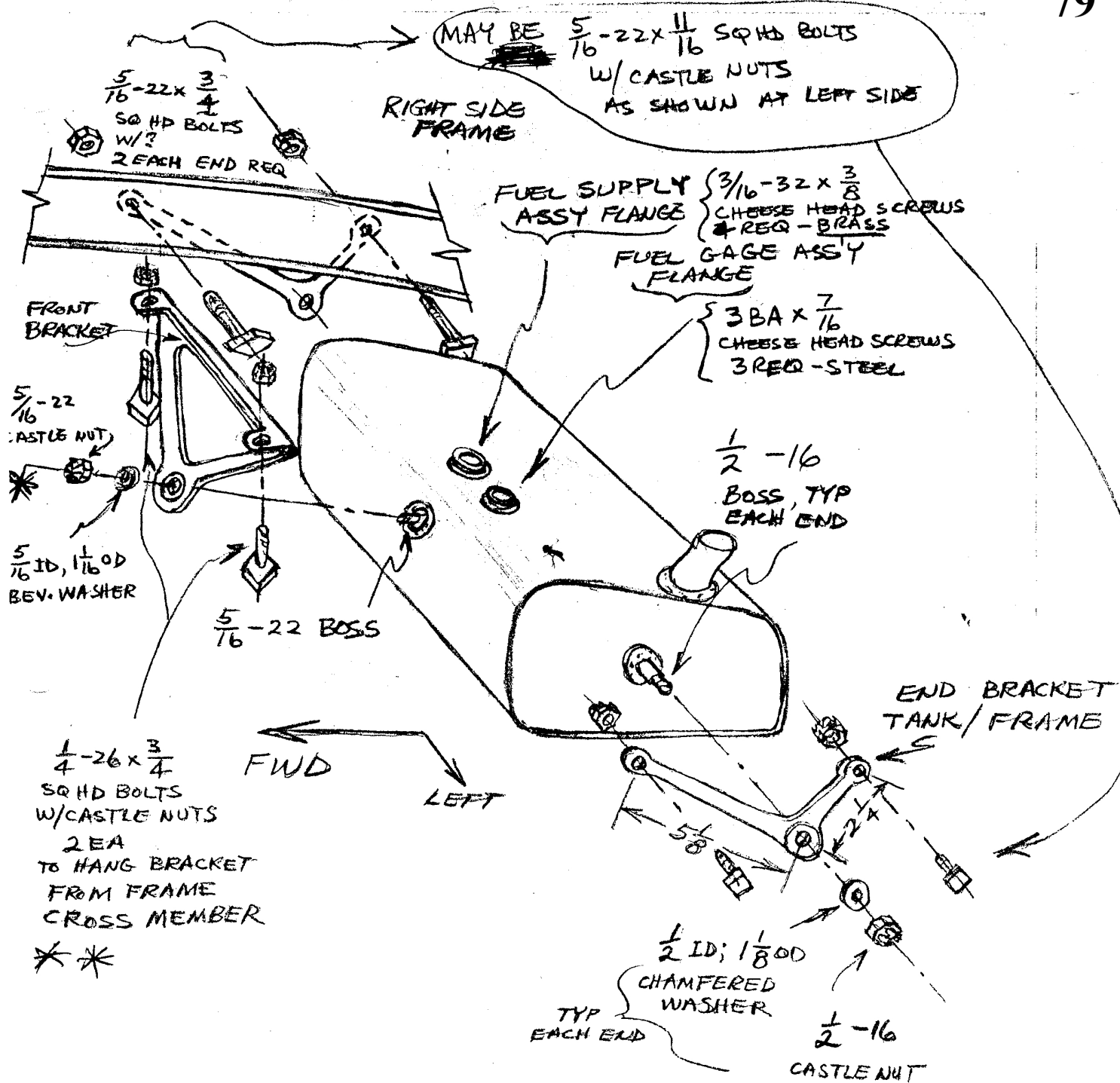


## 78



# FUEL TANK SUPPORT HDW

79

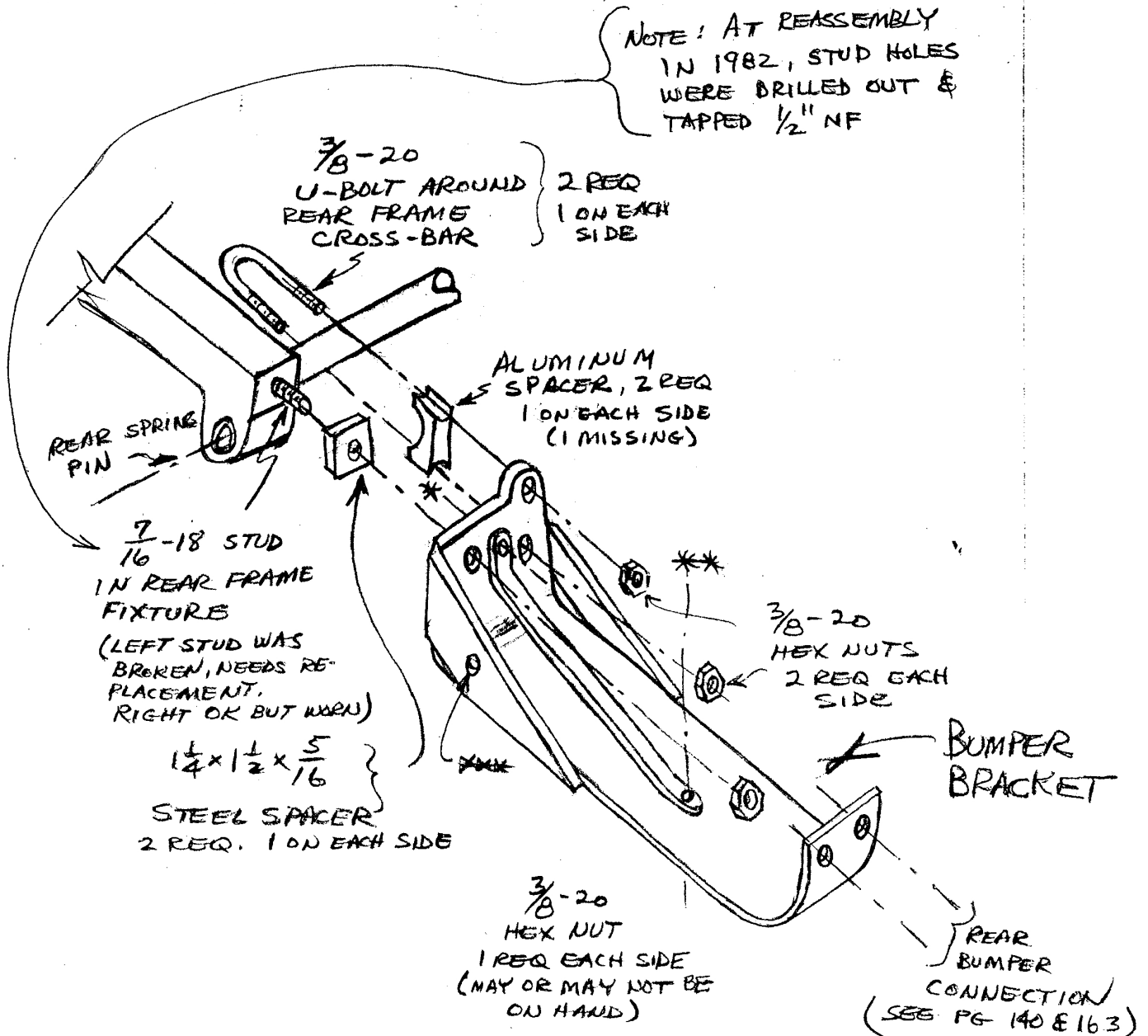


\* RE-INSTALL W/REG HEX NUT — NO "HOLE" IN STUD ON FUEL TANK SO NO REASON FOR CASTLE NUT.

\* \* THERE WERE NO  $\frac{1}{4}$ -26x $\frac{3}{4}$  BOLTS WITH HOLES FOR COTTER PINS IN MY PARTS CAUS SO USED REG BOLTS & NUTS.

# REAR BUMPER BRACKET DETAILS

80



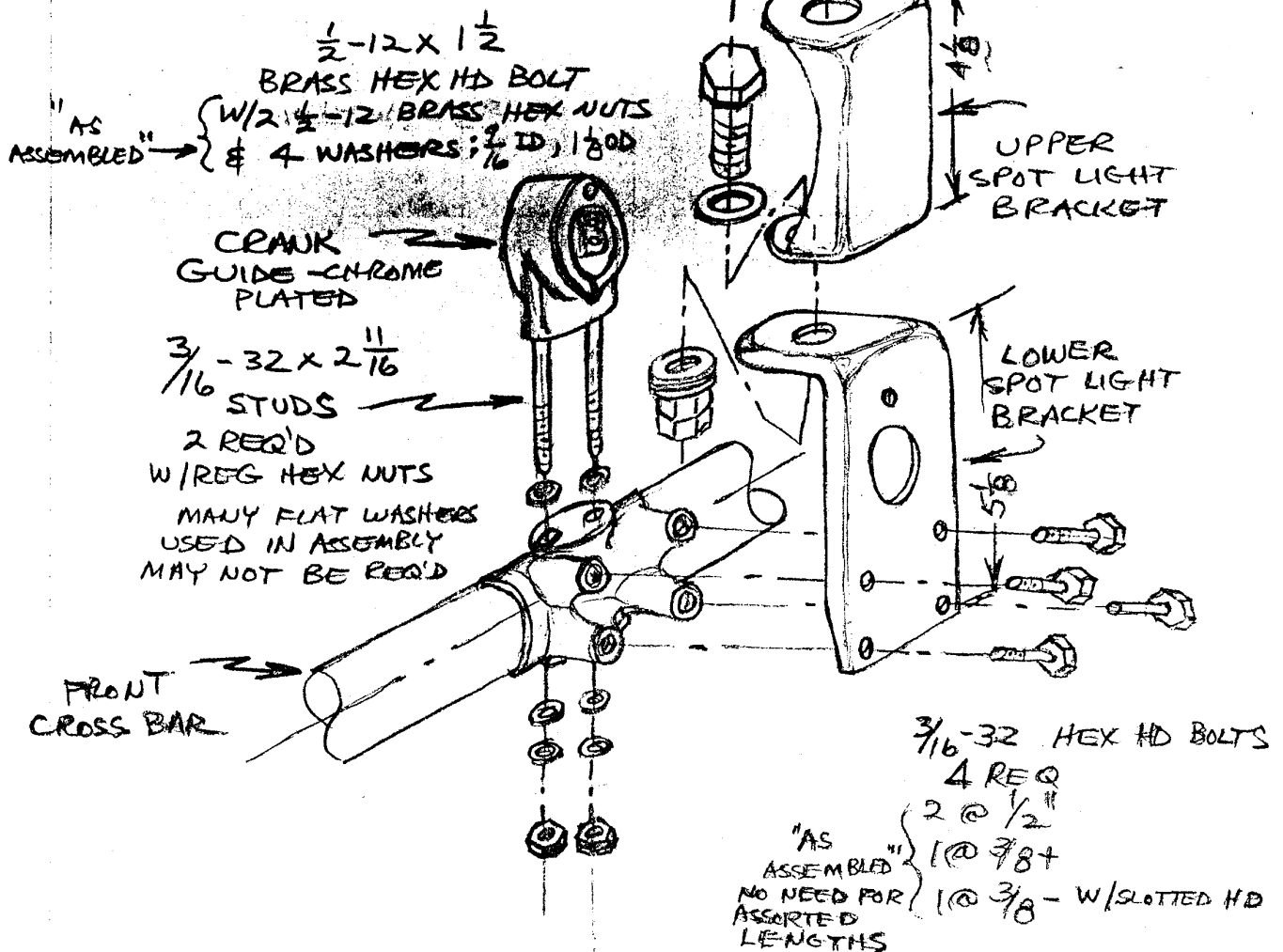
- \* 5/16-22 x 1/4 HEX HD BOLT/HEX NUT (NOT ON RIGHT - ITS WELDED)
- \*\* 5/16-22 x 7/8 HEX HD BOLT/HEX NUT

\*\*\* USED FOR GROUNDING SCREW ON RIGHT SIDE,  
EMPTY ON LEFT

ON LEFT, ASSORTED ELECTRICAL ITEMS WERE GROUNDED  
AT \*.

# CRANK GUIDE & -101 LIGHT MOUNTING ASS'Y

81



## NOTE:

LOWER SPOT LIGHT BRACKET WAS PAINTED GREY OVER "ORIGINAL" CHROME PLATE AND WAS VERY LIKELY THE ONLY BRACKET ORIGINALLY.

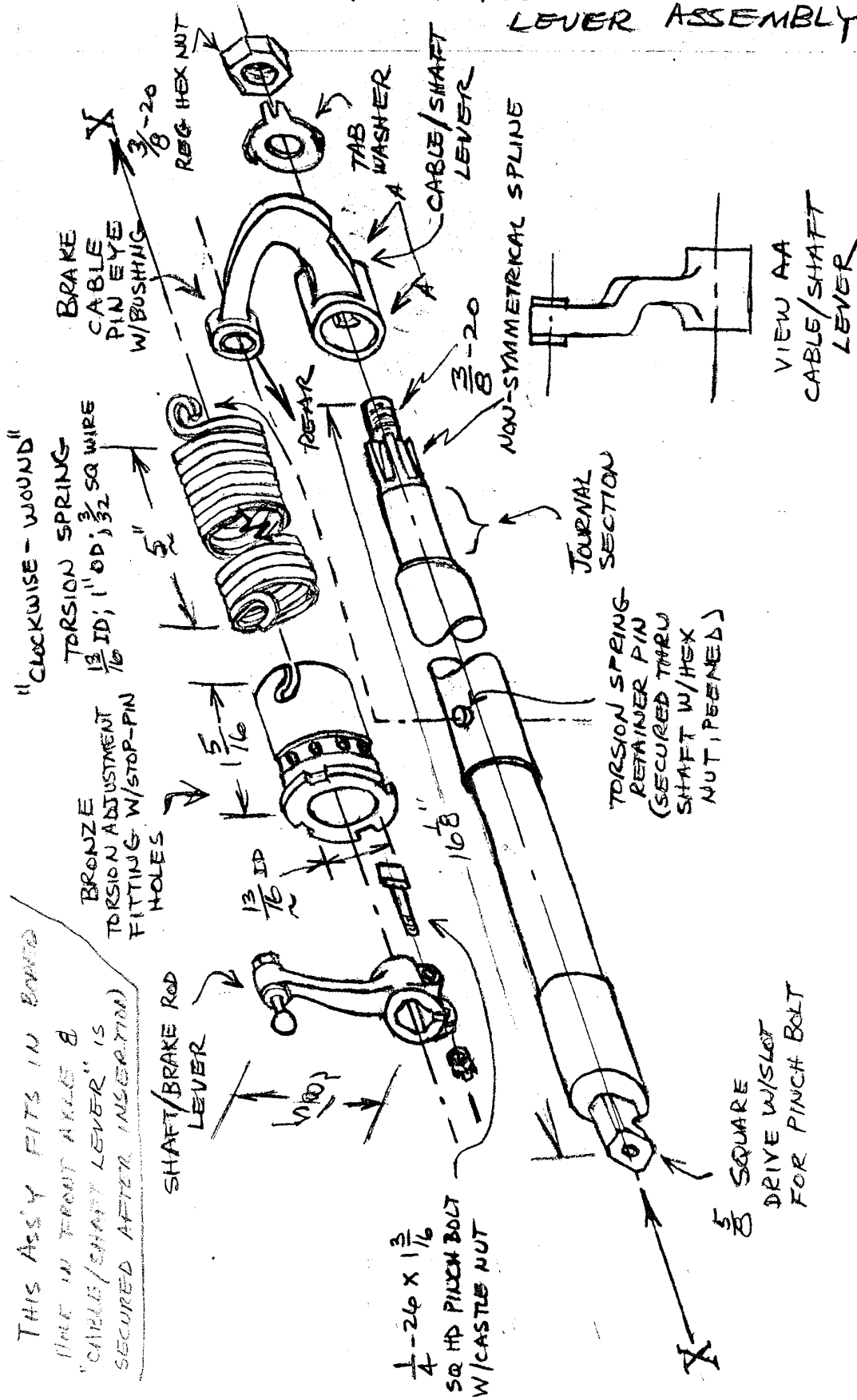
UPPER CHROME PLATED SPOT LIGHT BRACKET SEEMS TO HAVE BEEN ADDED - MAYBE TO RAISE LIGHT WHEN HORNS WERE CHANGED.

MAY NOT NEED TO USE BOTH - WILL SEE AT ASS'Y



# RIGHT FRONT AXLE BRAKE LEVER ASSEMBLY

82



LEFT ASSEMBLY IS SIMILAR EXCEPT THE TORSION SPRING IS WOUND "COUNTER-CLOCKWISE"; THE TORSION ADJ FITTING & THE CABLE/SHAFT LEVER ARE OPPOSITE HAND. [THE LEFT TORSION SPRING IS BROKEN]

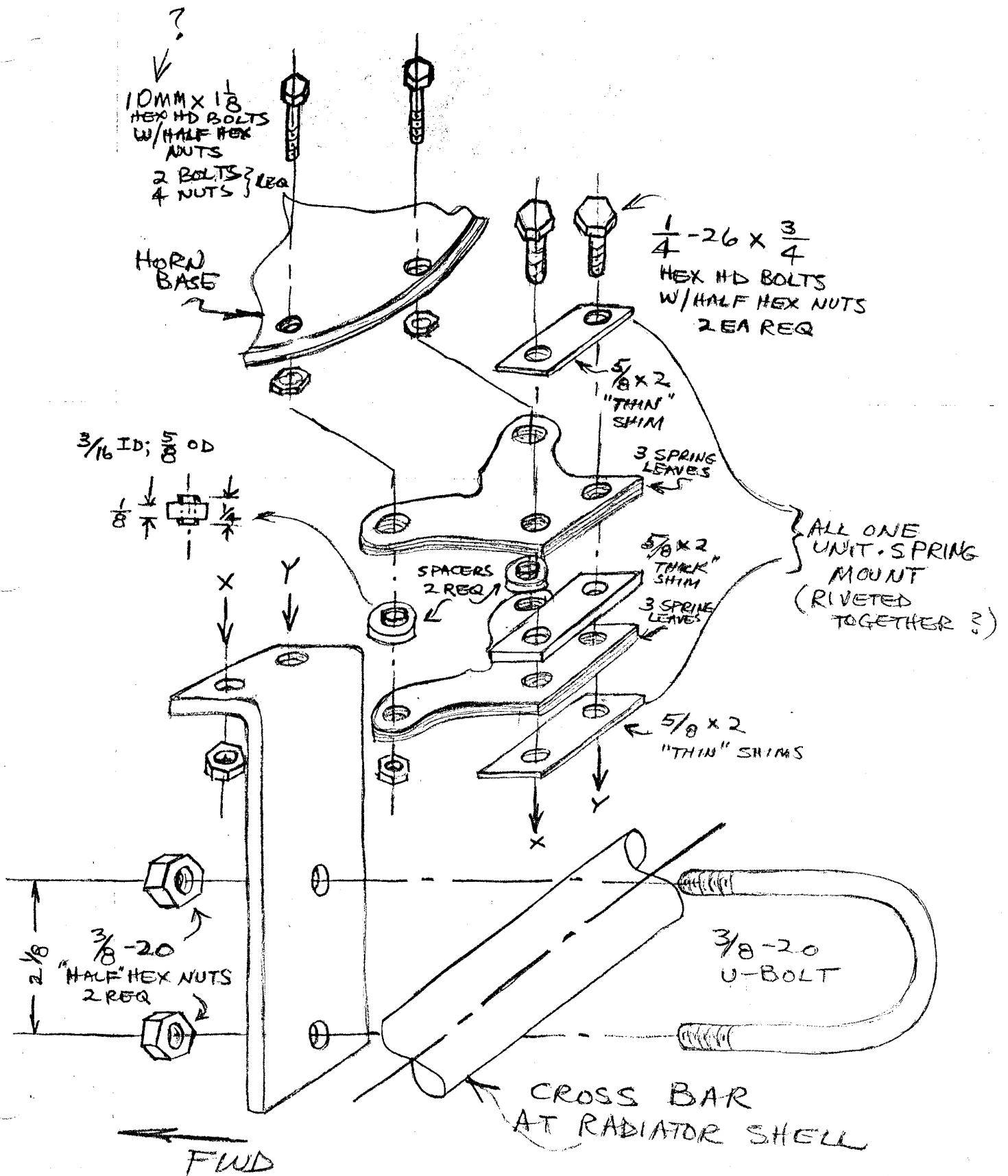
PIN IN SHAFT IS ALSO INSERTED AT DIFFERENT ANGLE.

L R

PINCH BOLT GENUINE DAVID

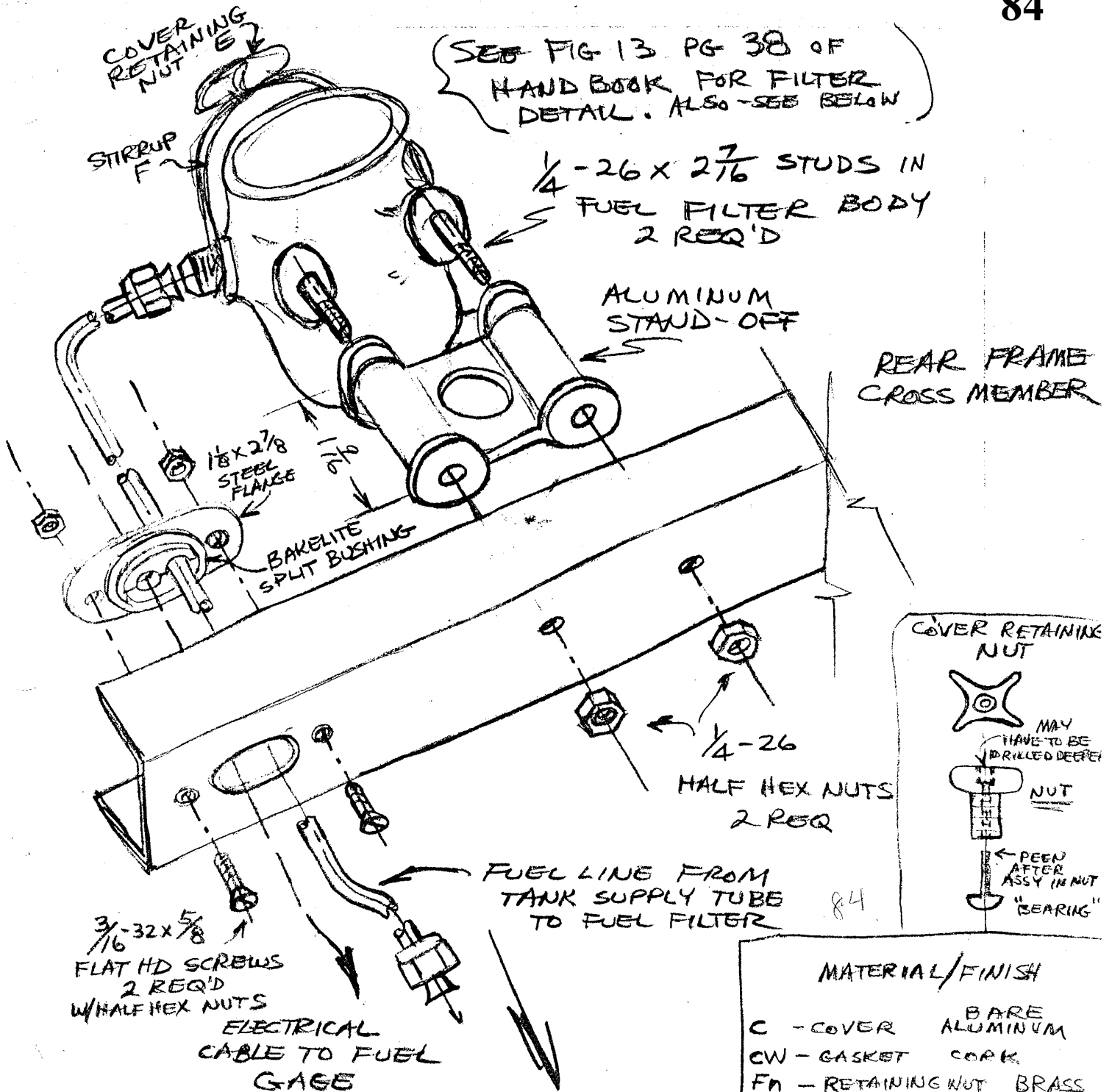
# HORN MOUNT ASSY

83

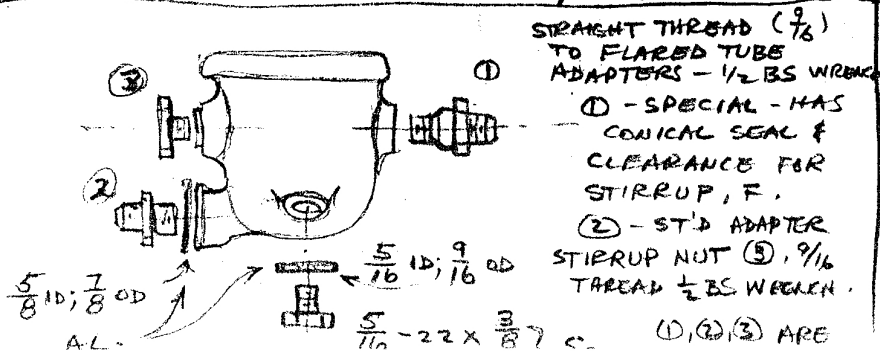


# FUEL FILTER

84



## REAR



## MATERIAL/FINISH

|                                 |                     |
|---------------------------------|---------------------|
| C - COVER                       | BARE ALUMINUM       |
| CW - GASKET                     | CORK                |
| F <sub>N</sub> - RETAINING NUT  | BRASS               |
| F <sub>W</sub> - WASHER         | BRASS               |
| F <sub>D</sub> - DISTANCE PIECE | ALUM.               |
| F <sub>S</sub> - STRAINERS      | BRASS               |
| F <sub>R</sub> - SPRING RING    | STEEL               |
| E - COVER NUT                   | STEEL/NICKEL PLATE  |
| F - STIRRUP                     | STEEL/NICKEL PLATE  |
| Sp - DRAIN PLUG                 | BRASS? NICKEL PLATE |
| FILTER BODY IS BRASS -          |                     |

# OIL FILLER ASS'Y

85

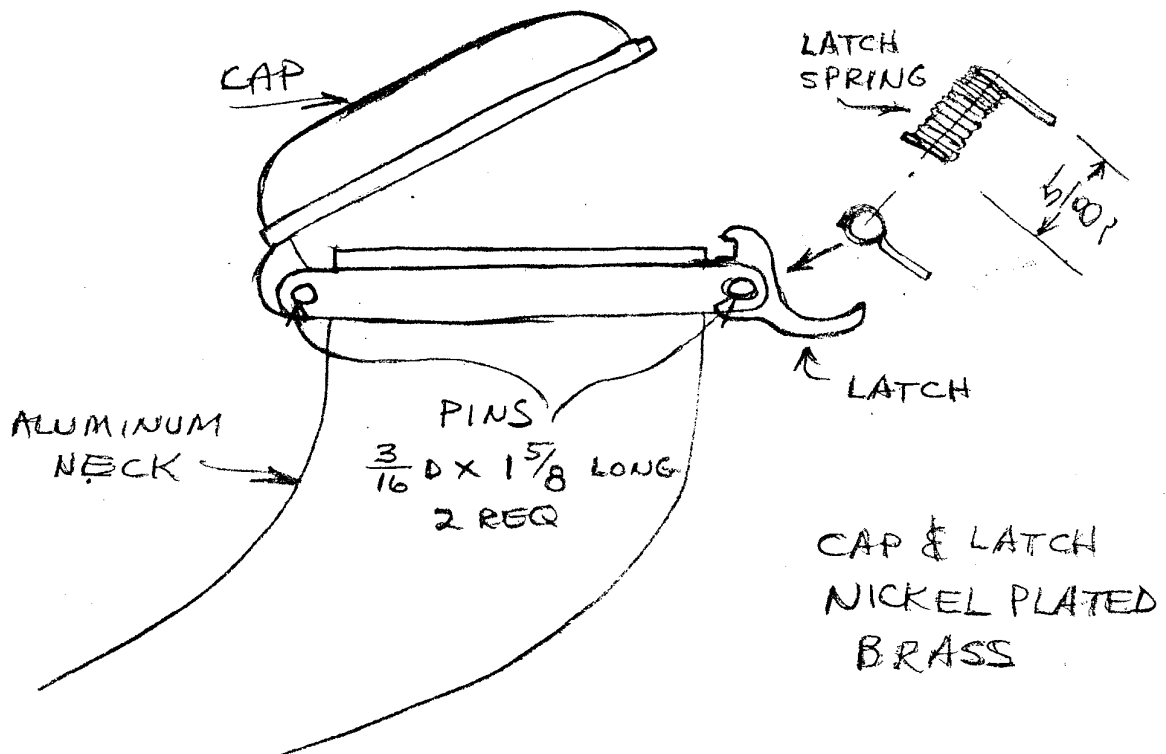
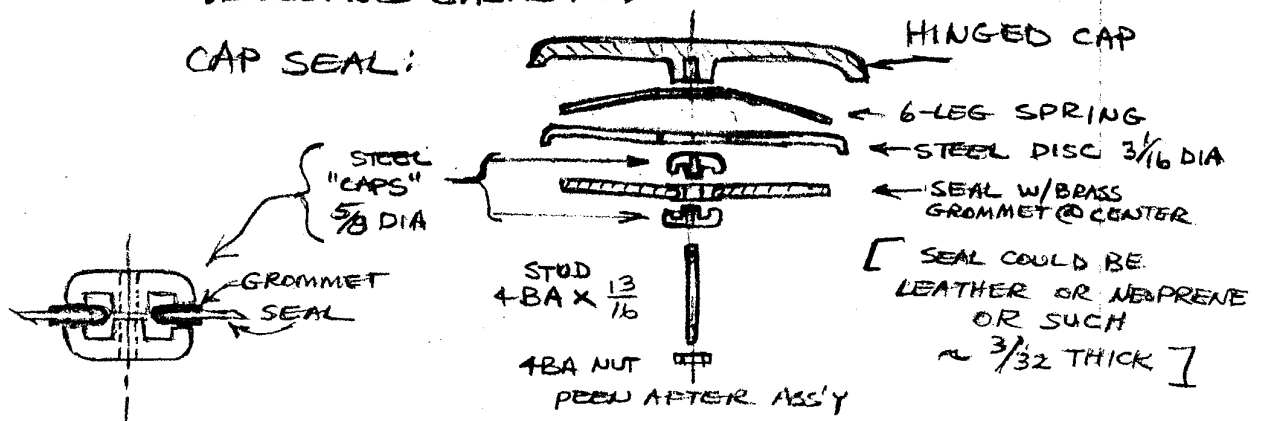
## OIL FILLER ASS'Y

TWO CRANKCASE STUDS W/HALF HEX NUTS;  $\frac{1}{4}$ -26  
VELLUMOID GASKET

## "OVER FLOW" ASSEMBLY

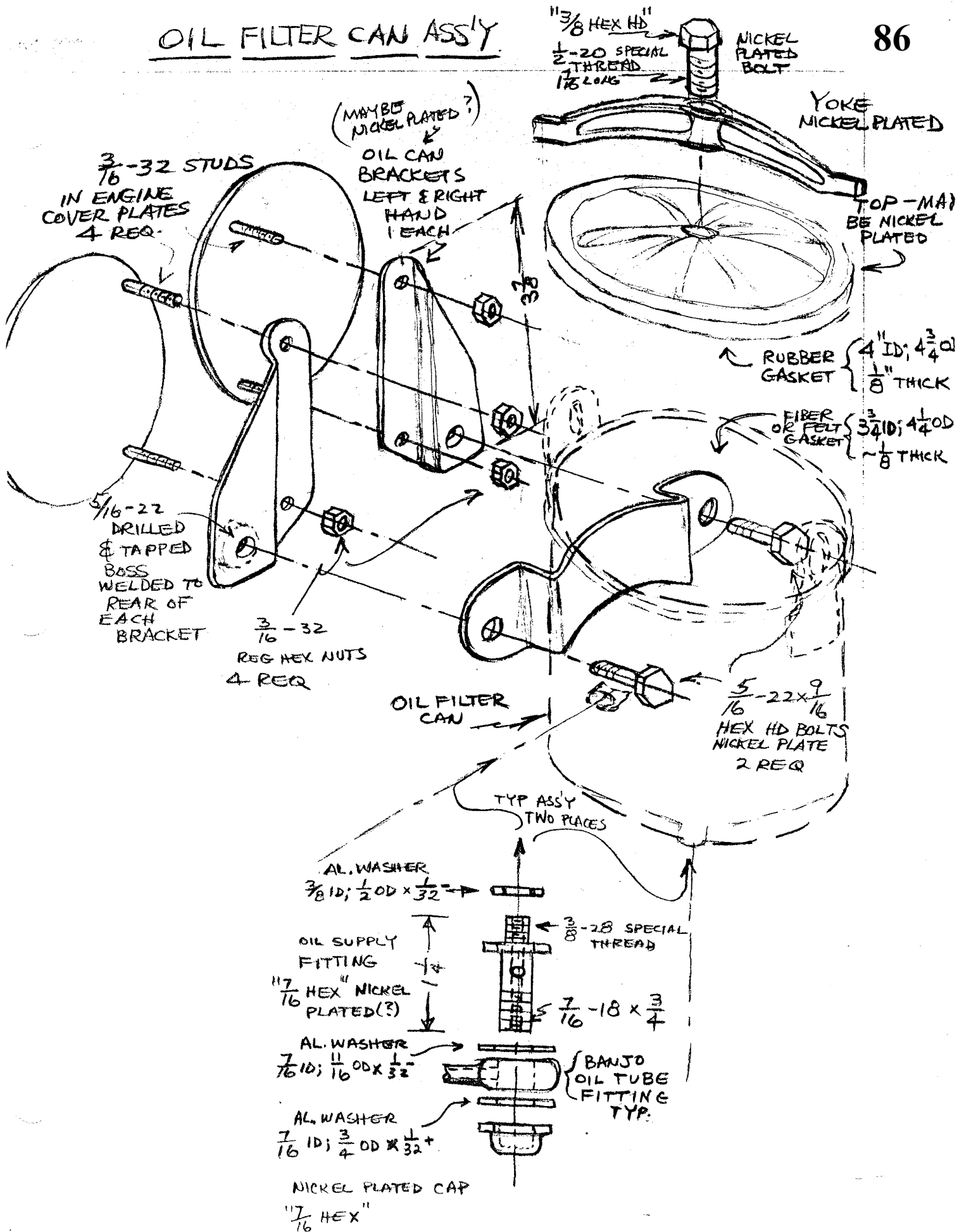
TWO STUDS W/REG HEX NUTS;  $\frac{3}{16}$ -32 X  $1\frac{1}{8}$  (ONE  
NUT WAS BRASS - MAYBE BOTH SHOULD BE, OR  
BOTH SHOULD BE NICKEL PLATED)

BRASS SPACER/SCREEN  
VELLUMOID GASKETS.



# OIL FILTER CAN ASSY

86





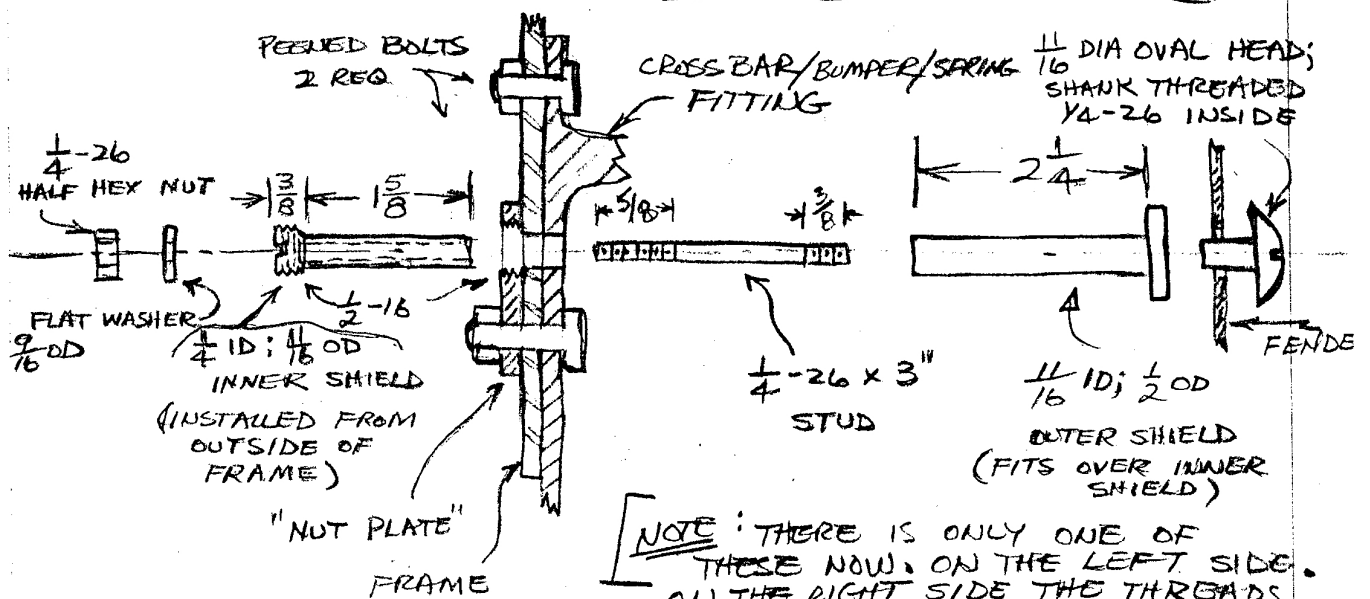
# FRONT FENDER THROUGH-BOLT ASS'Y'S

87

SEE SKETCH OF RIGHT FRONT END OF FRAME.

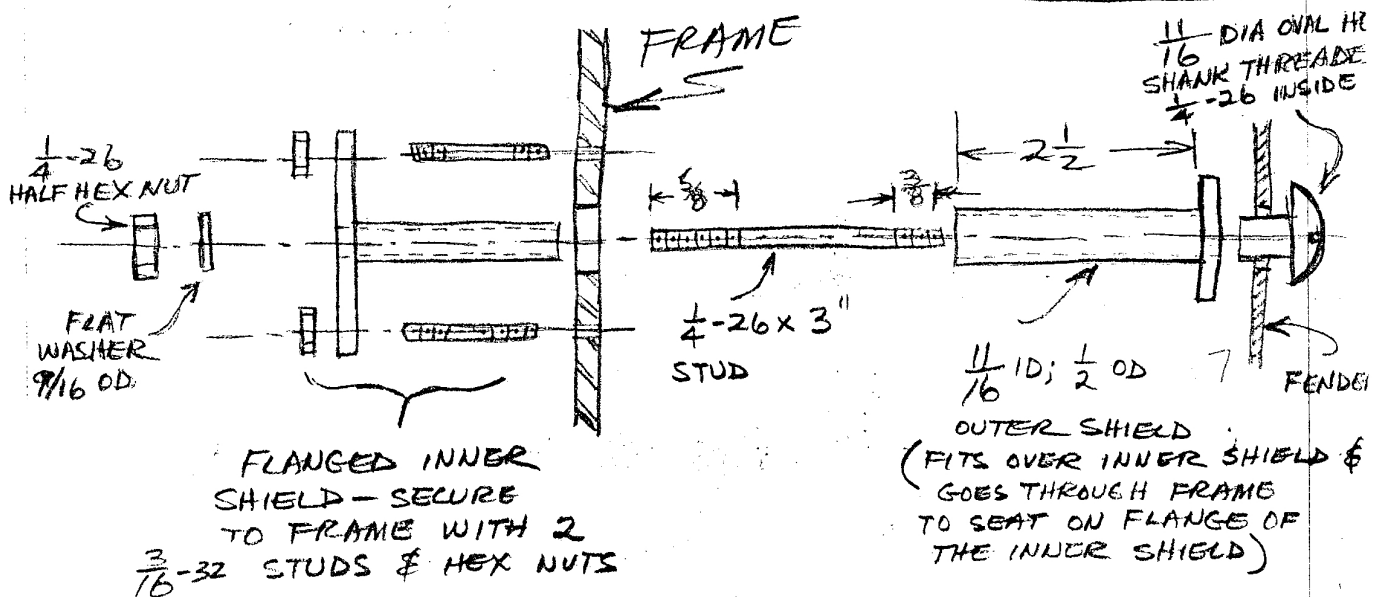
PG 15

## FWD BOLT ASSY AT FRONT CROSS-BAR (1 PER SIDE)



NOTE: THERE IS ONLY ONE OF THESE NOW, ON THE LEFT SIDE. ON THE RIGHT SIDE THE THREADS IN THE "NUT PLATE" ARE STRIPPED AND A 2 1/2" OUTER SHIELD WAS USED - I'M NOT SURE JUST HOW BUT WILL WORRY ABOUT IT LATER]

## AFT BOLT ASS'YS (2 PER SIDE)



1. 2 1/2 D. CHROME CAP W/BOLT
2. 2 1/4" DIA X 1 5/8" LEAD PLUG
3. 2 1/4" DIA X 3/8" LEAD SPACER
4. BUMPER
5. 1 1/2 OD X 1/16" STEEL WASHER
6. 2 1/4 OD X 3/8" RUBBER SPACER
7. 2 1/2 D. CHROME BOTTOM CAP (~3/8" HEX HOLE)
8. BUMPER DOUBLE SPRING LEAF ASS'Y
9. 1 1/4 OD X 1/8" FLAT WASHER
10. NUT

PROBABLY  
HAVE TO REPLACE  
THE STUDS.

IT SEEMS THESE  
SHOULD BE 7/16-18  
WITH A CASTLE NUT.

HOWEVER, ONE HAD A  
"NEW" END WITH 1/4 THD/IN  
WELDED ON AND THE OTHER  
HAD "NEW" STUD WITH 16/IN.

FRONT RIGHT FRAME  
PROTECTION WITH  
RUBBER  
BUSHING

CHROME  
U-BOLT

3/8-20

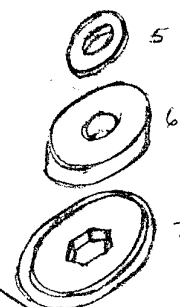
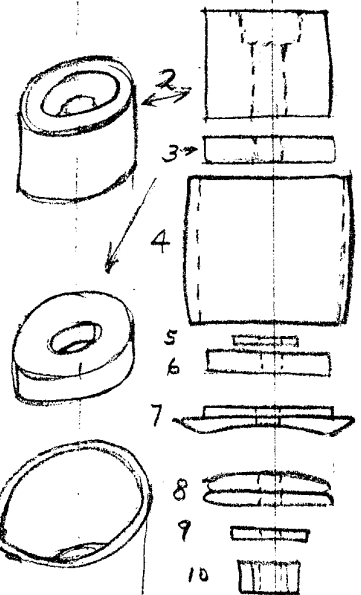
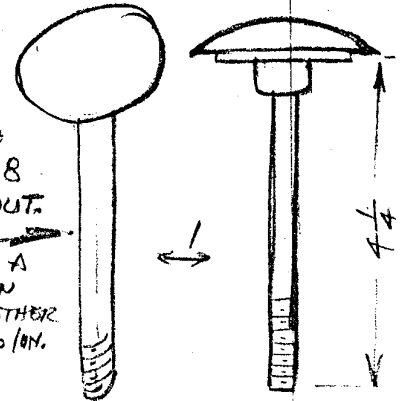
STEEL SHELL

BRASS  
HAIR-BUSHING

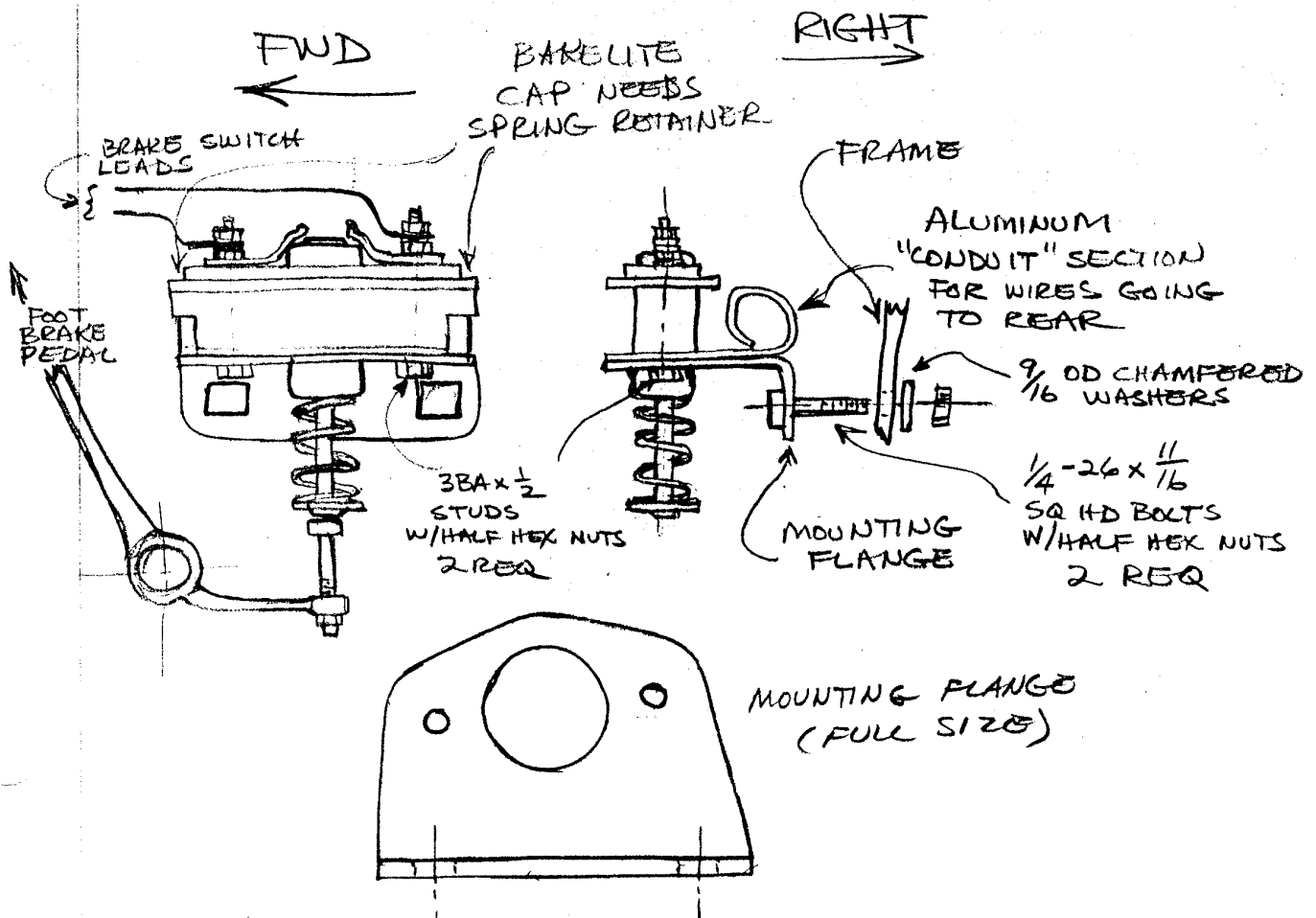
TYP ASS'Y  
2 PLACES

3/8-20  
CASTLE NUTS  
2 REQ

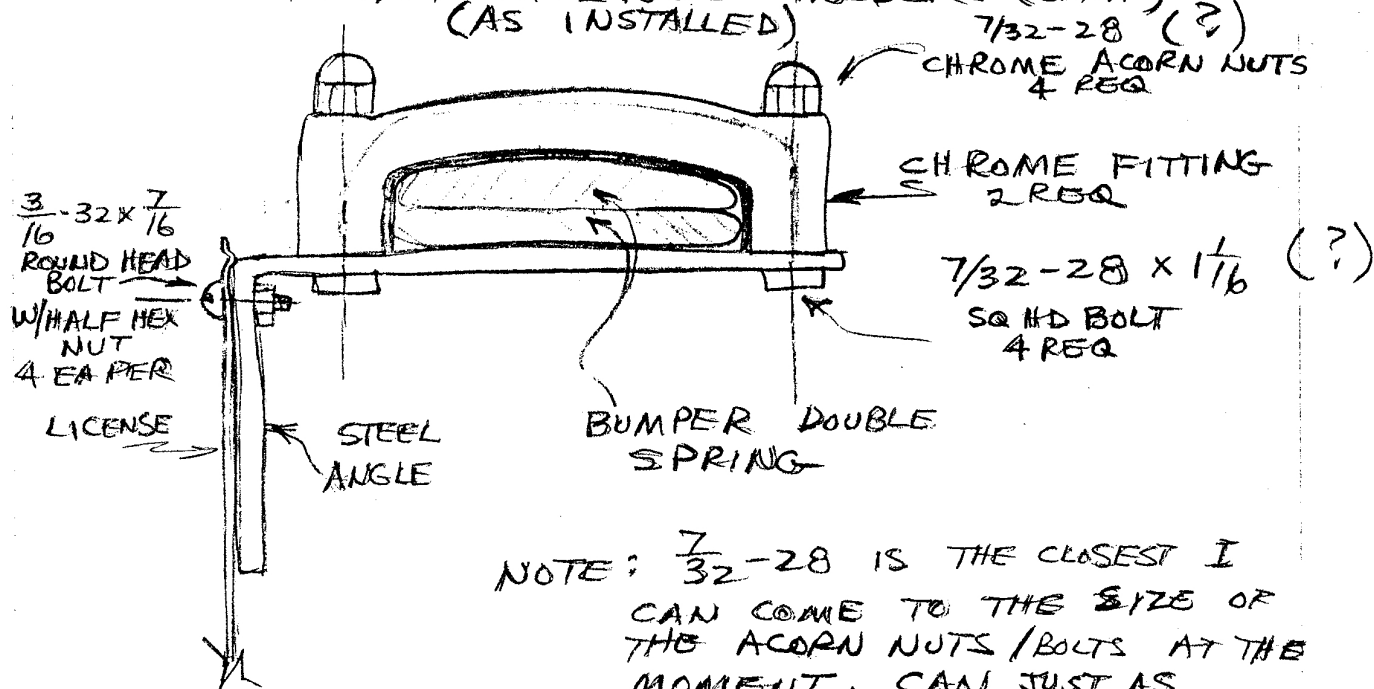
(HEX NUTS USED  
ON THIS ASS'Y -  
CASTLE NUTS  
MISSING)



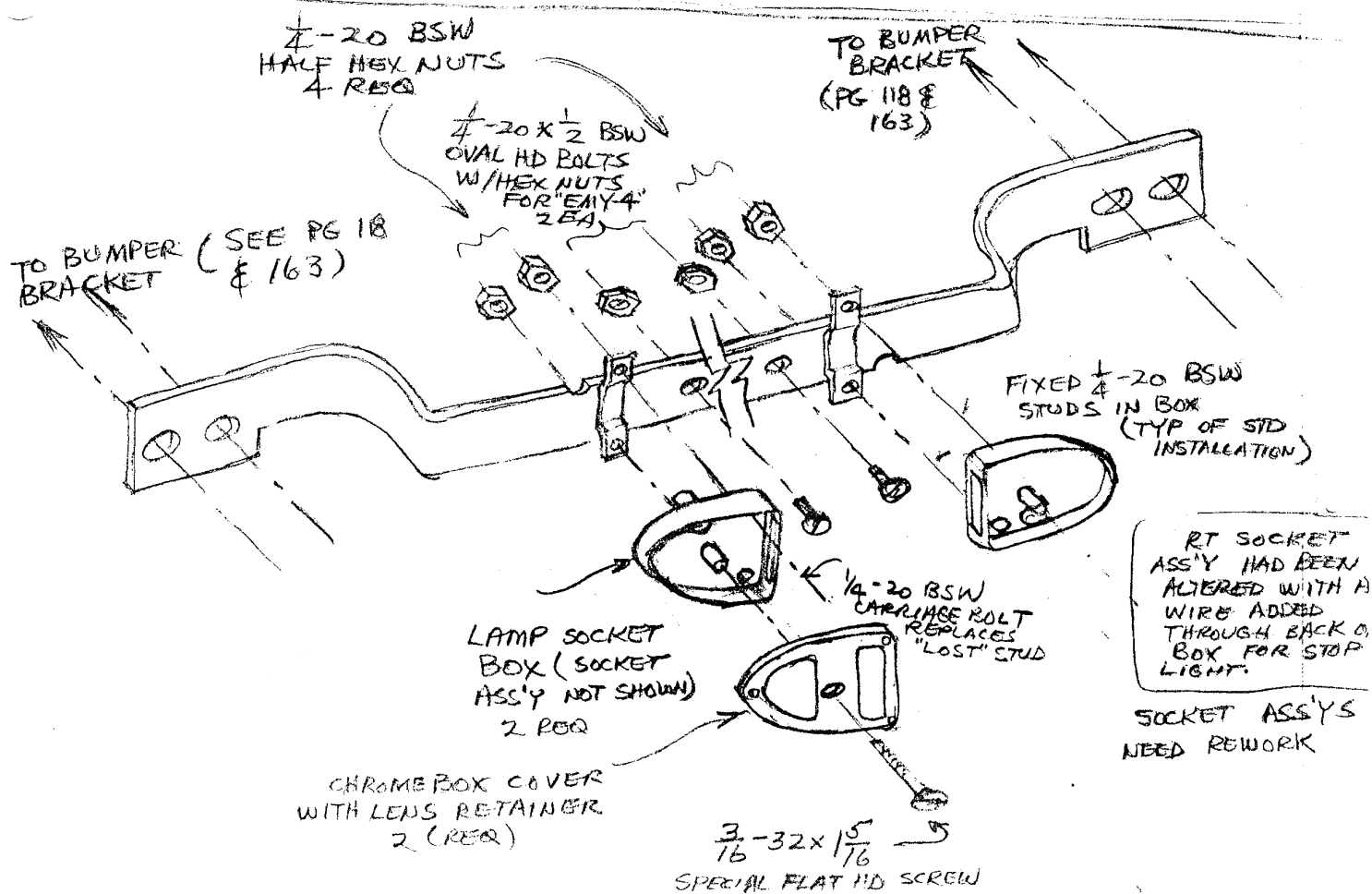
# FOOT BRAKE LIGHT SWITCH



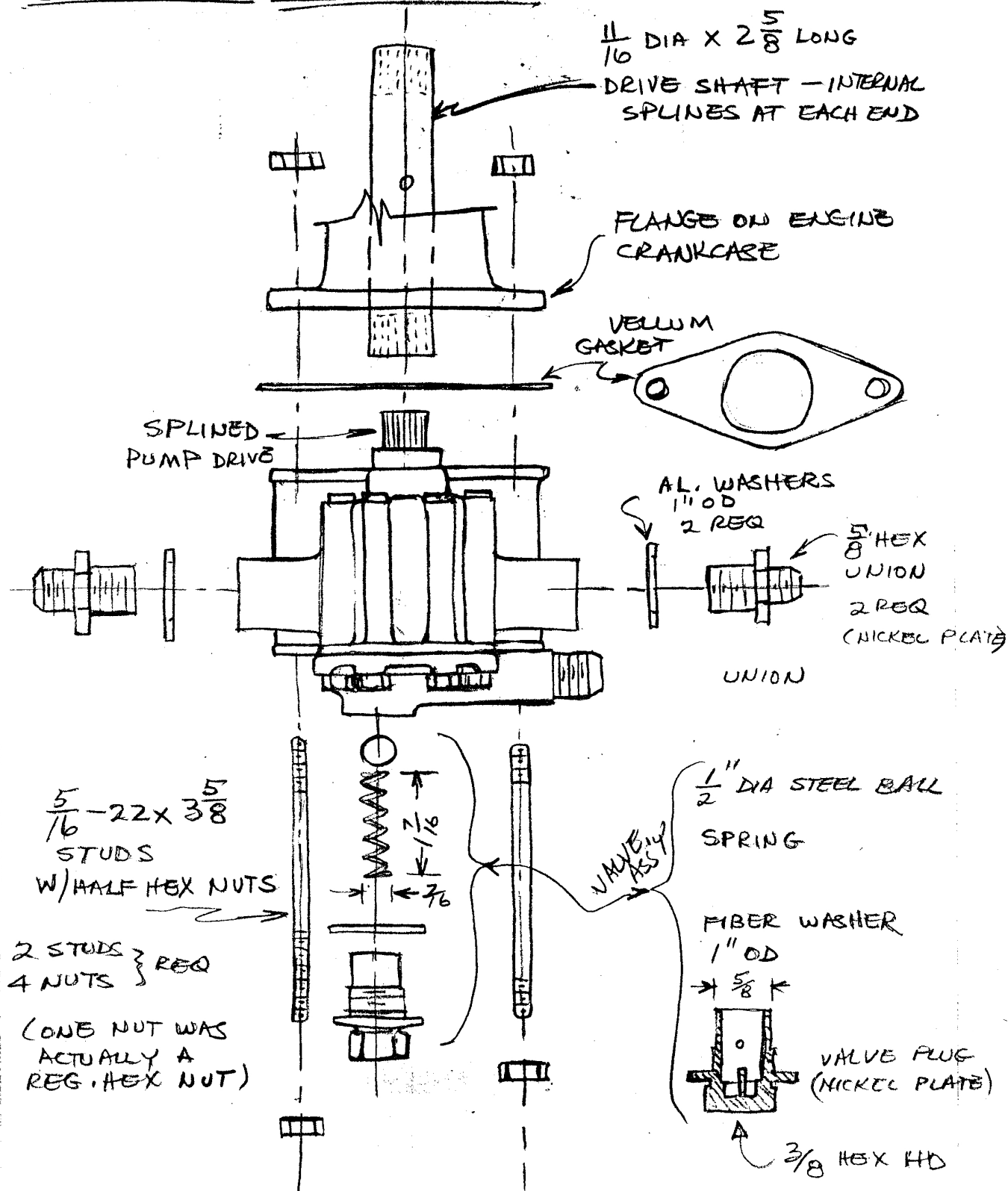
# FRONT LICENSE HOLDER (CALIF) (AS INSTALLED)



NOTE: 7/32-28 IS THE CLOSEST I  
CAN COME TO THE SIZE OF  
THE ACORN NUTS/BOLTS AT THE  
MOMENT. CAN JUST AS  
WELL REPLACE THEM WITH SOME  
BETTER SIZE.



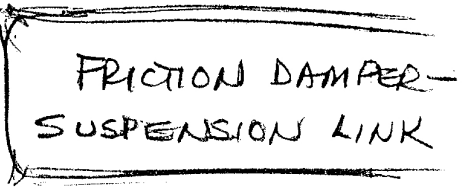
# OIL PUMP INSTALLATION





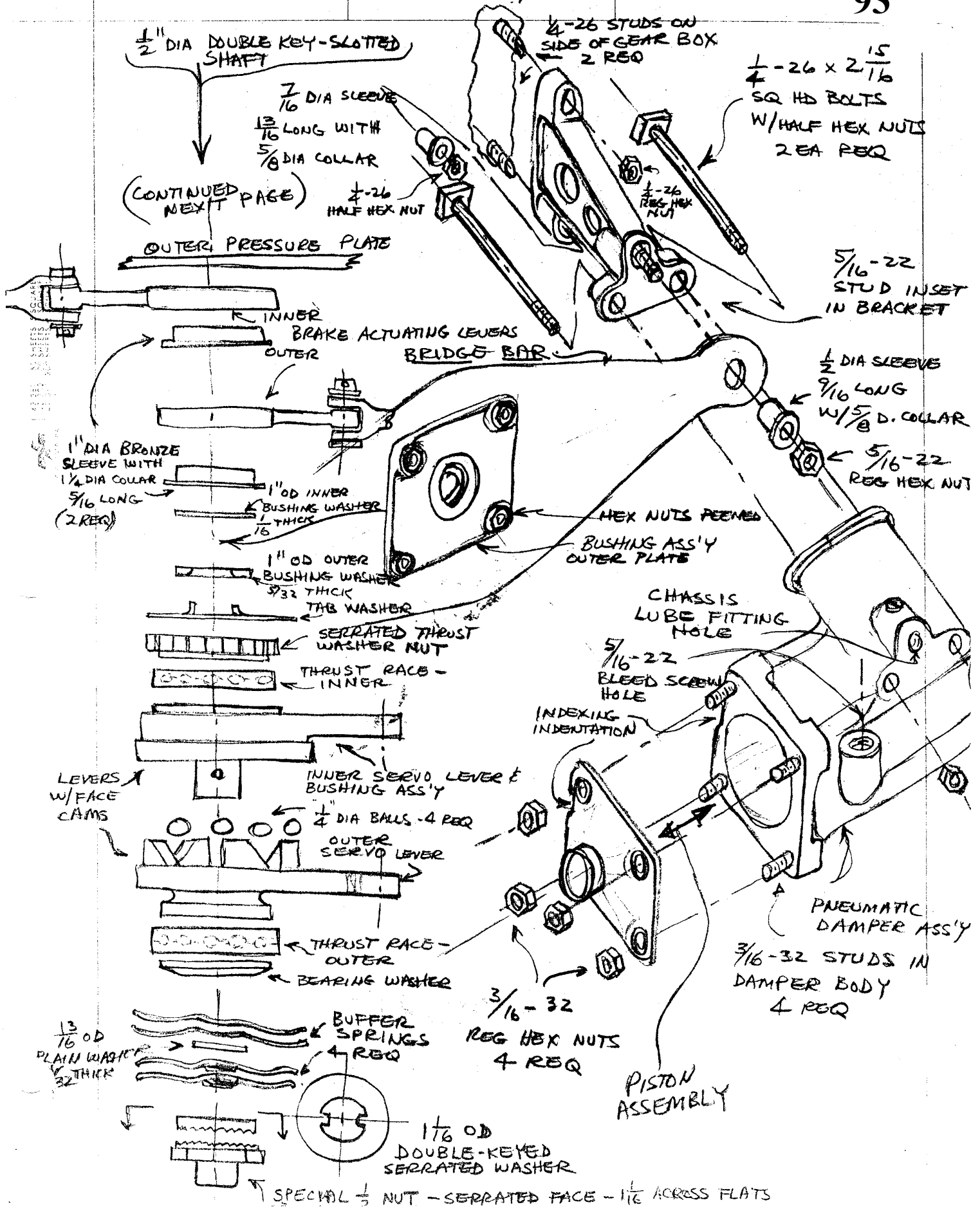
## 92

3



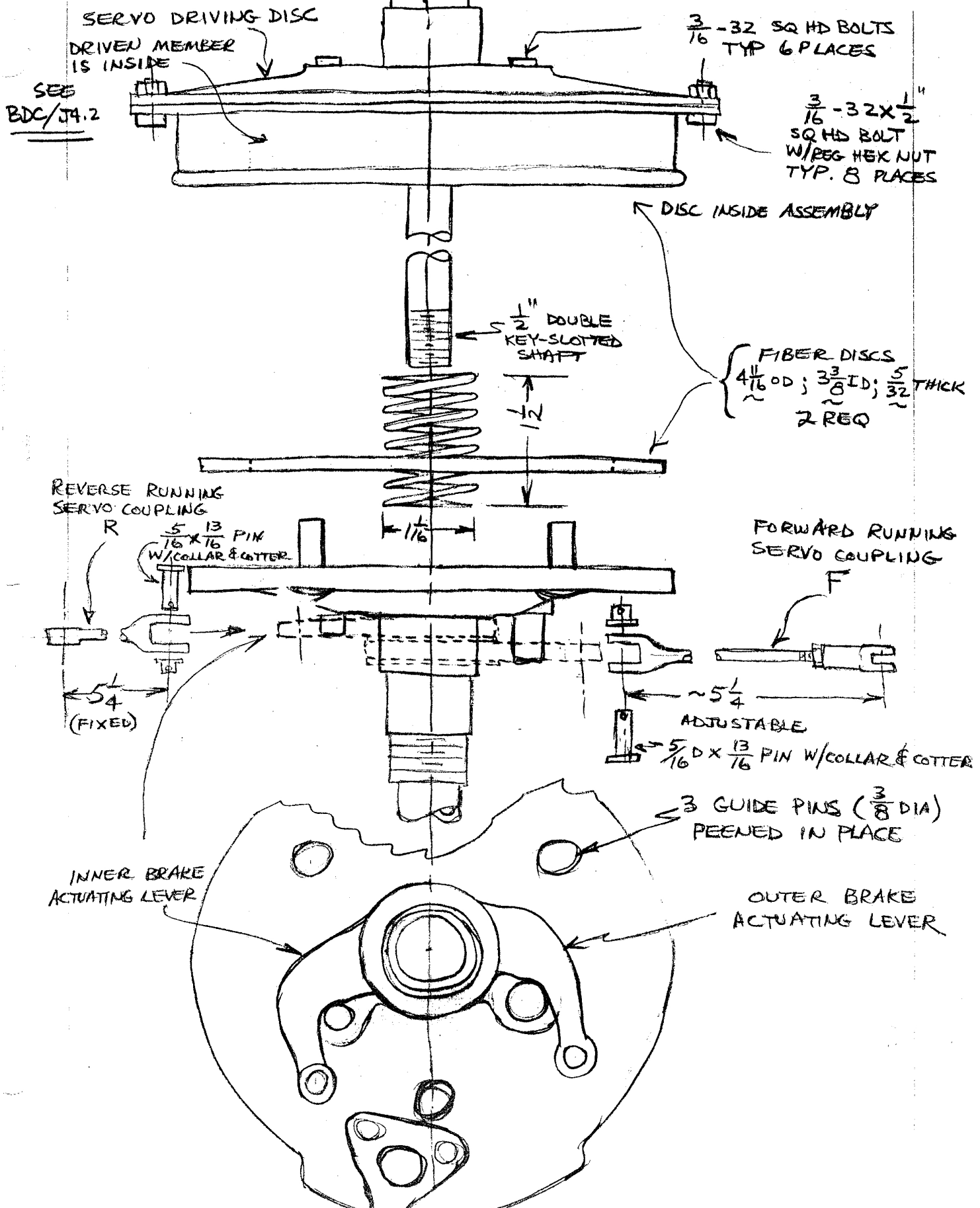
# BRAKE SERVO ASS'Y - CONT.

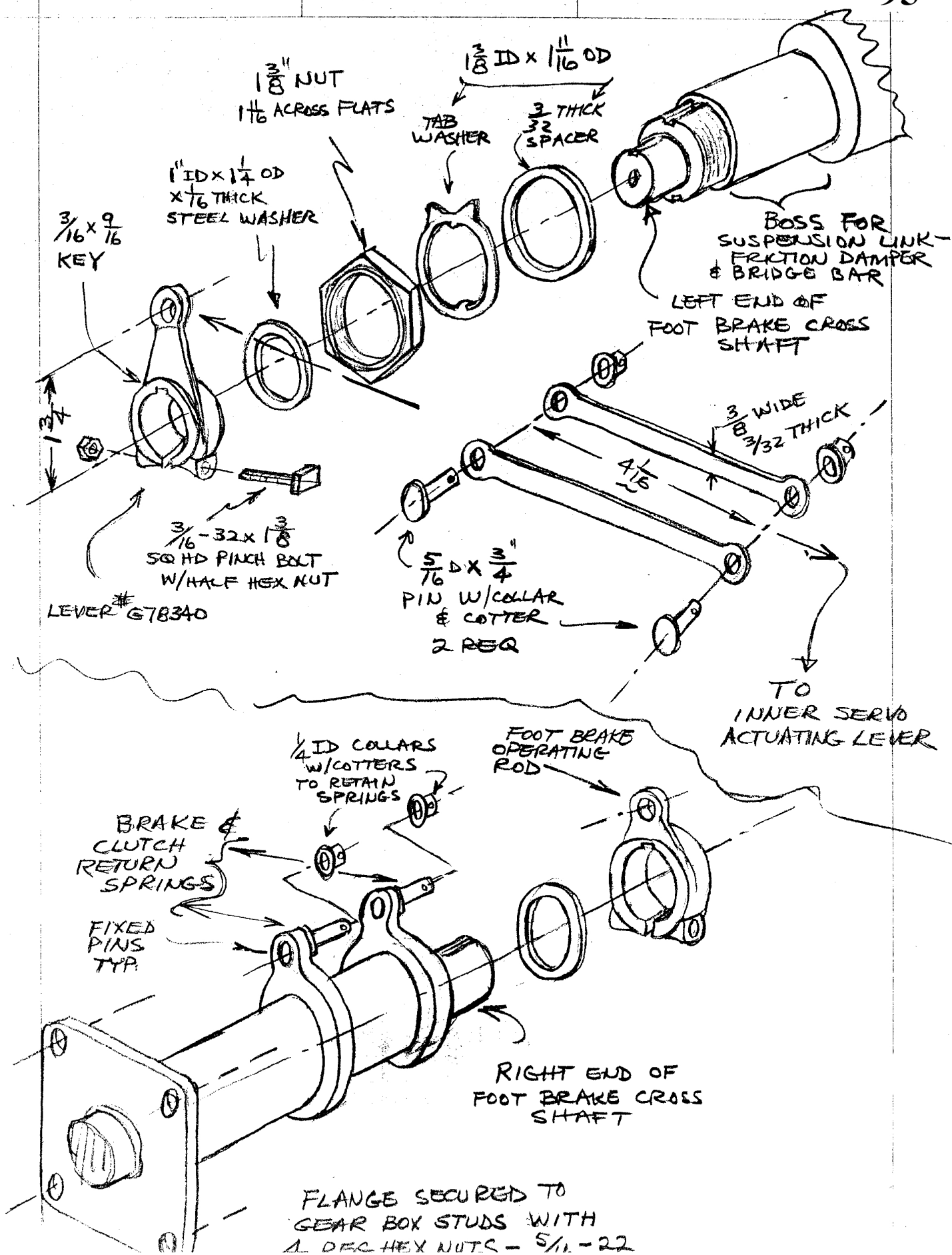
93



# BRAKE SERVO ASS'Y CONT.

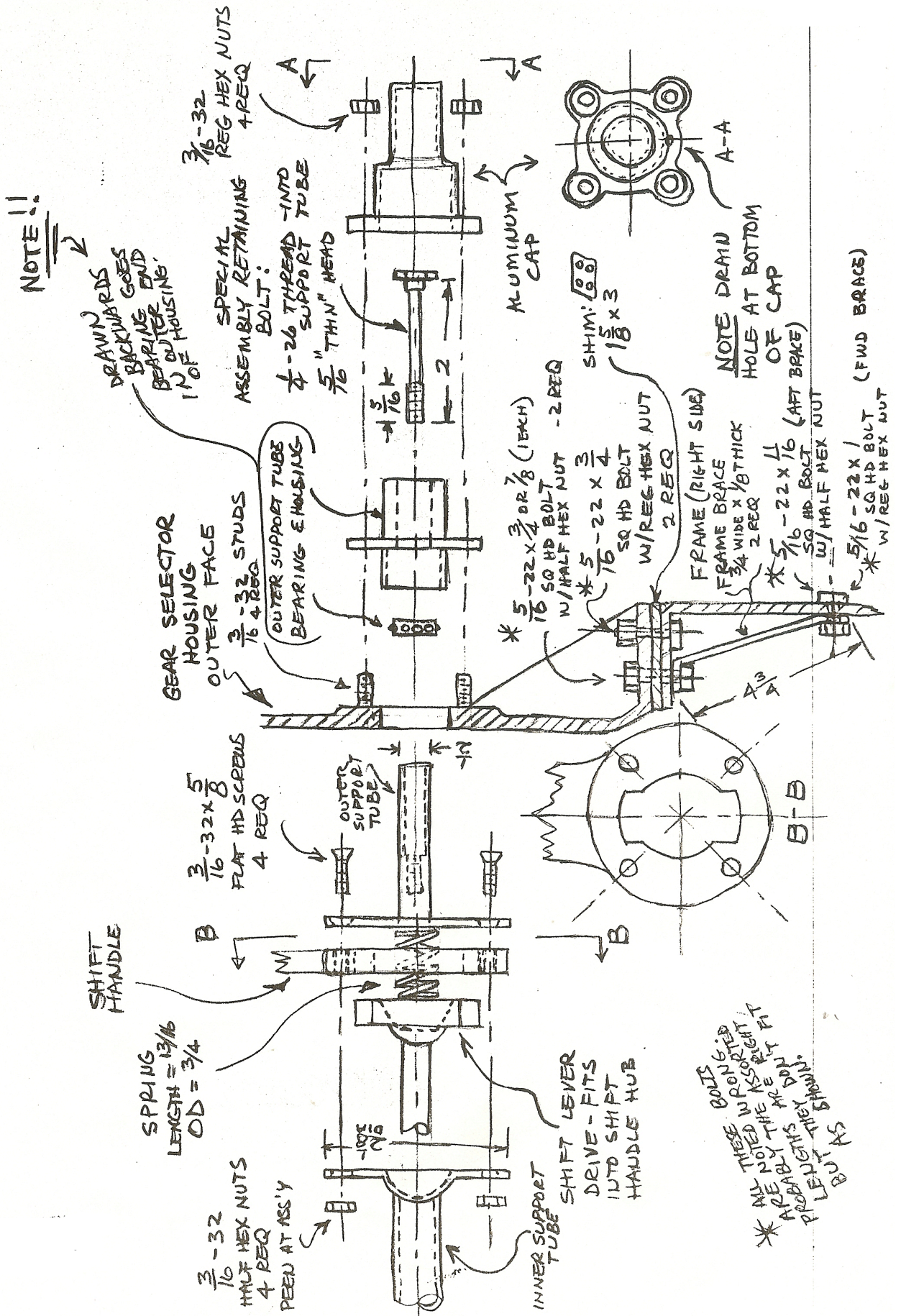
94







## OUTER FACE ASSEMBLY OF SHIFTER



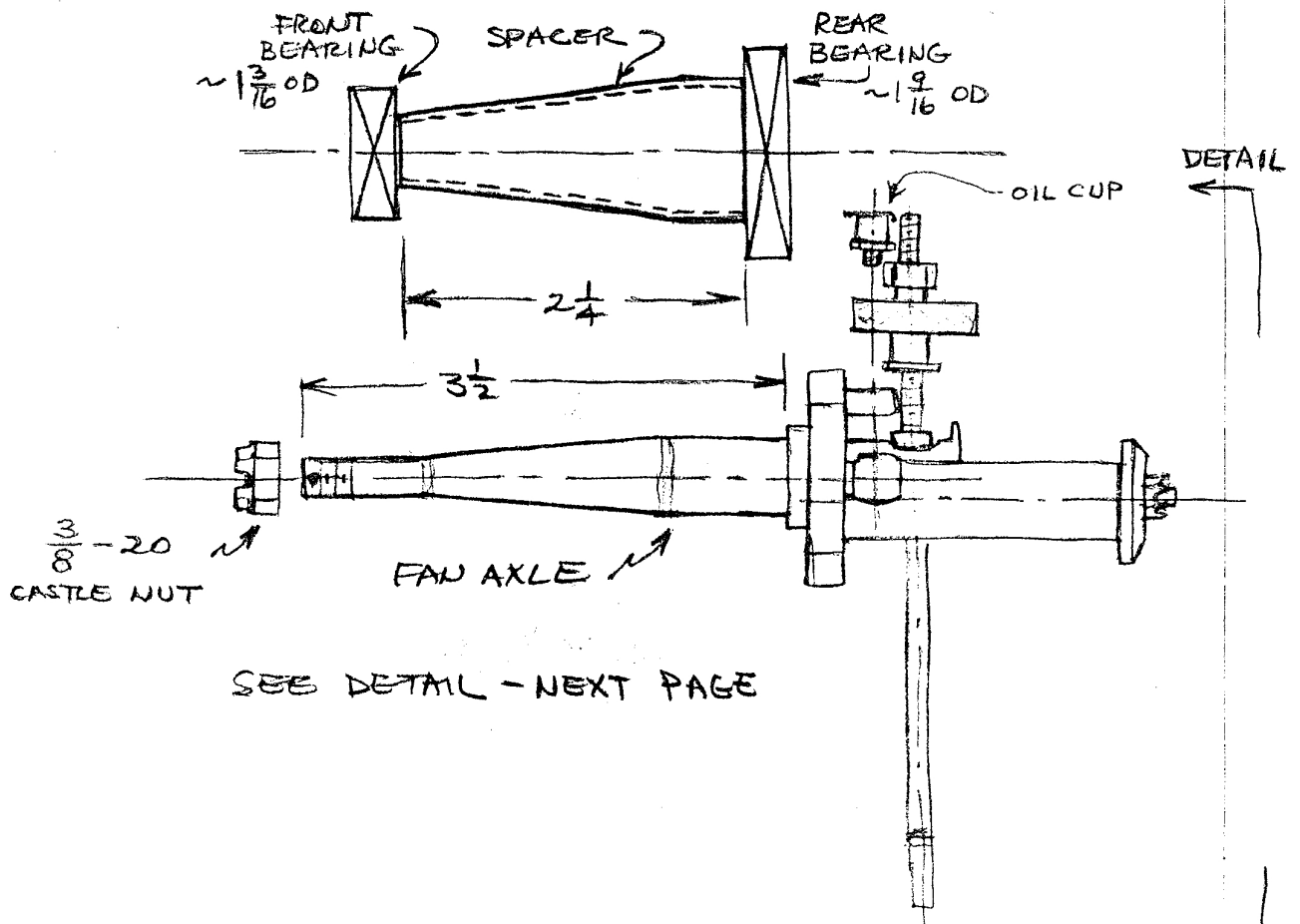
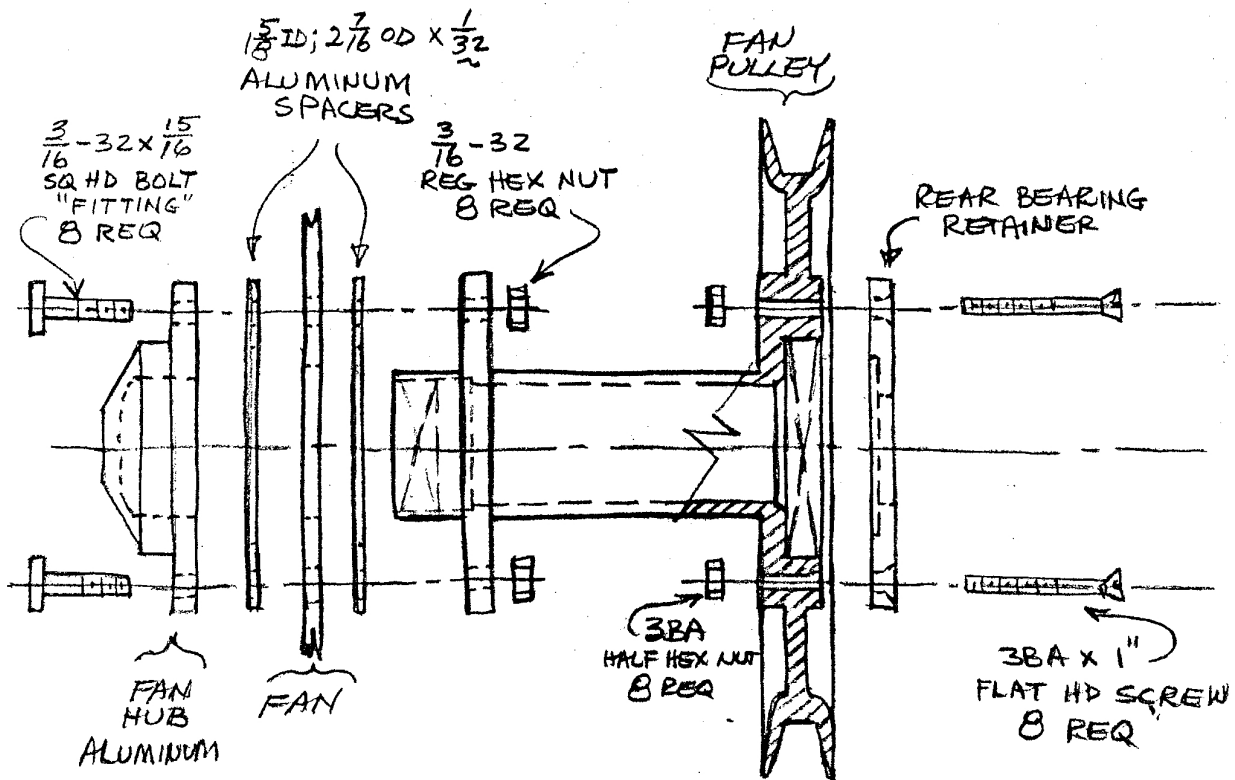




# FAN ASSEMBLY

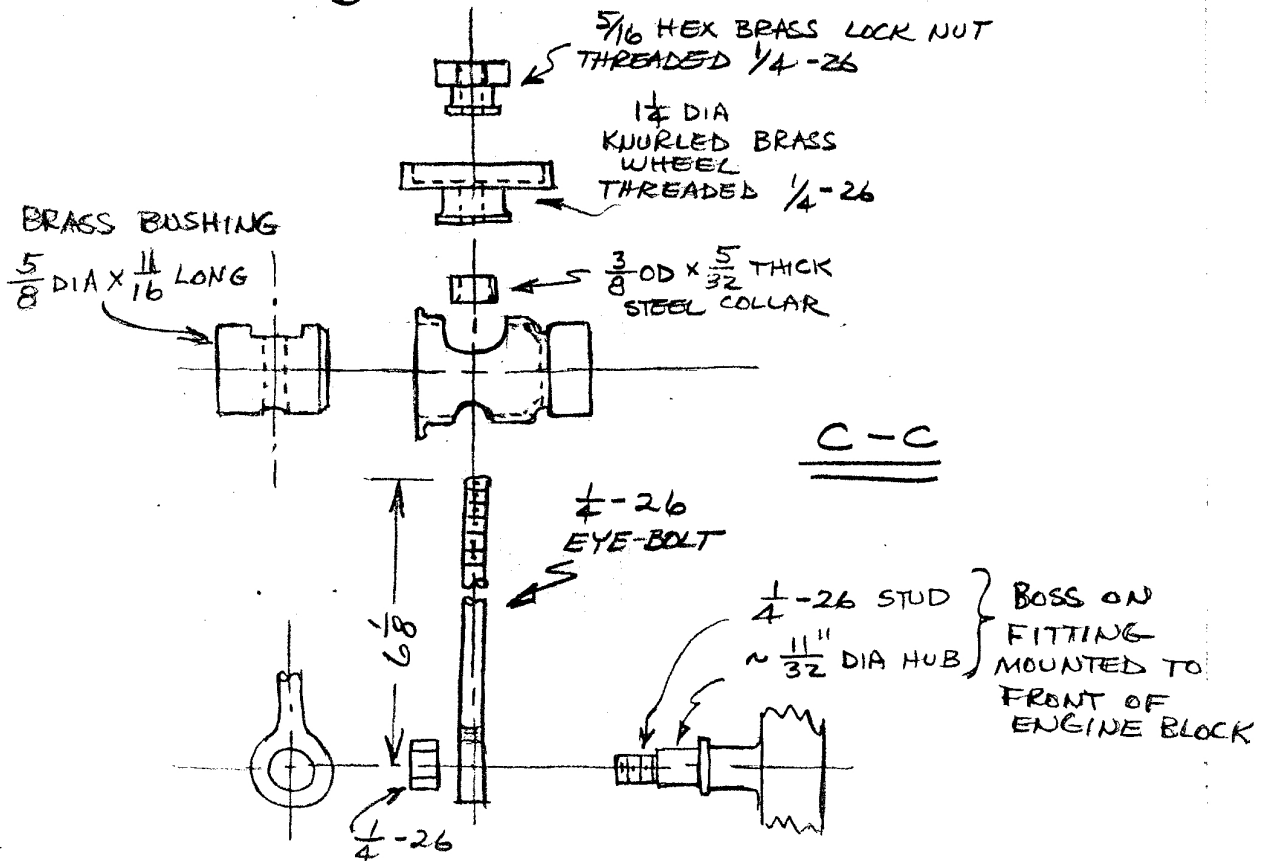
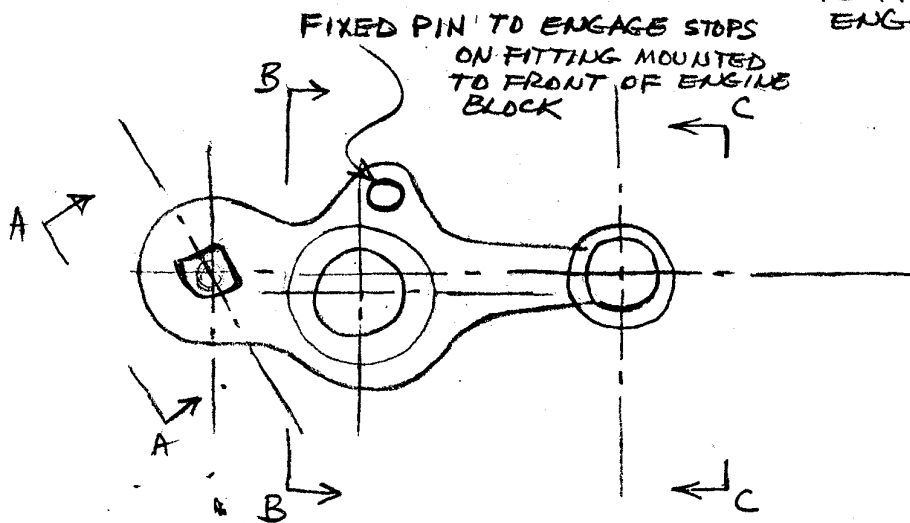
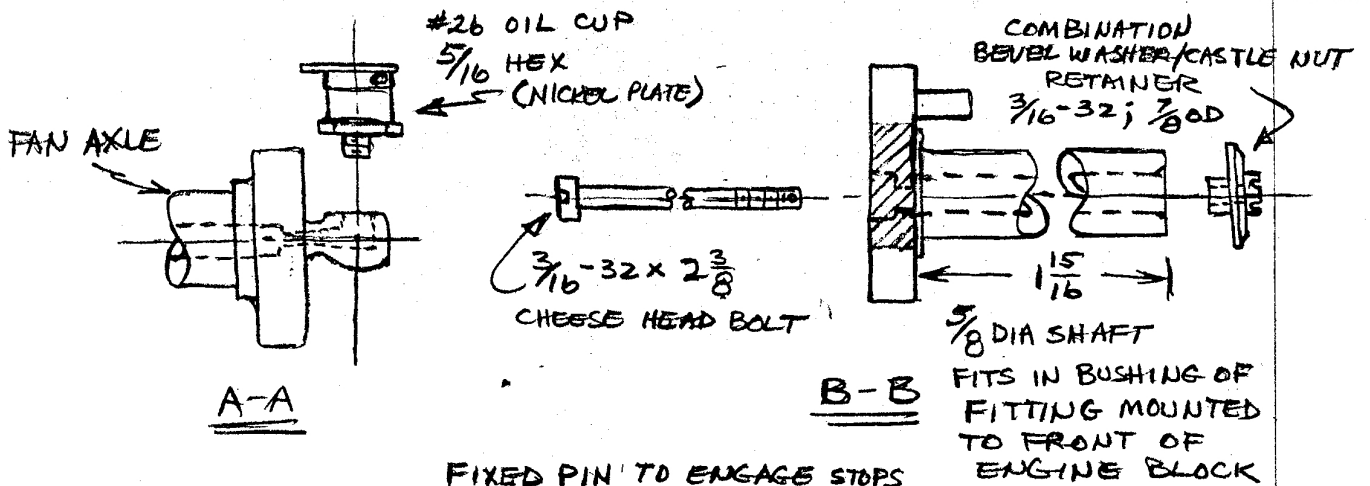
98

SEE FIG 22 HANDBOOK



# FAN ASSEMBLY - CONT

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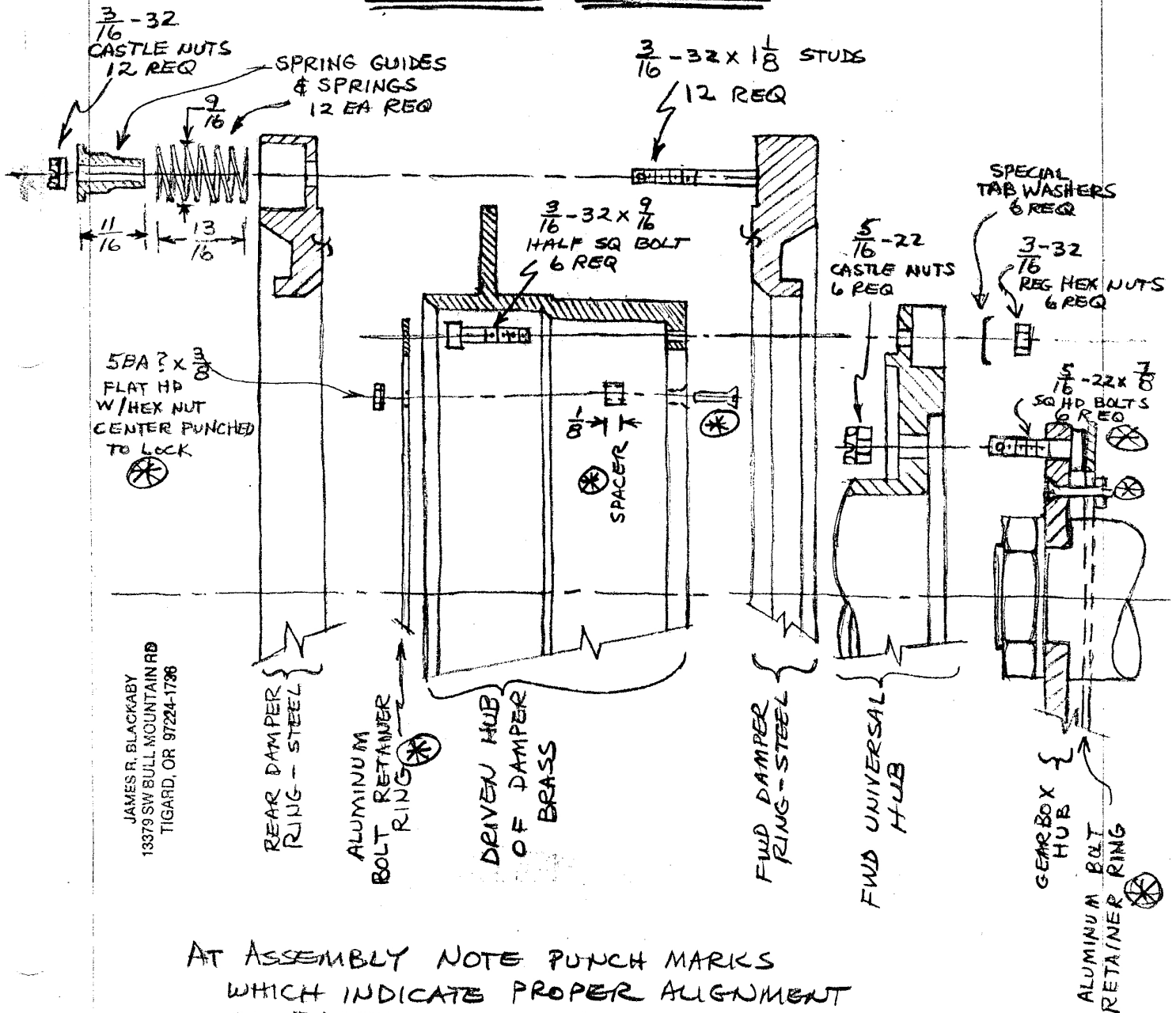
# UNIVERSALS

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REFER TO GN/H NOTES AND TO GREY MEMO BOOK NOTES FOR APR 19 & 21.

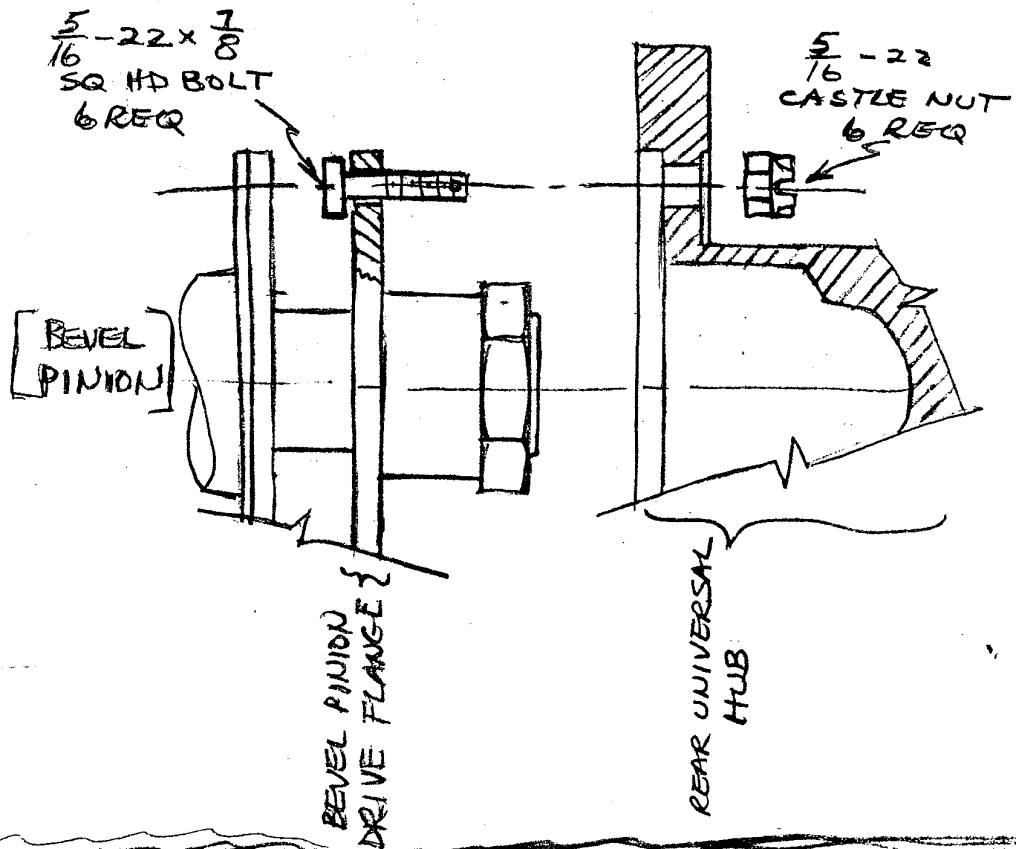
OTHERWISE THESE ASSEMBLIES ARE EASIER TO PUZZLE OUT LOOKING AT THE PARTS THAN THEY ARE TO DRAW.

## DRIVESHAFT VIBRATION DAMPER

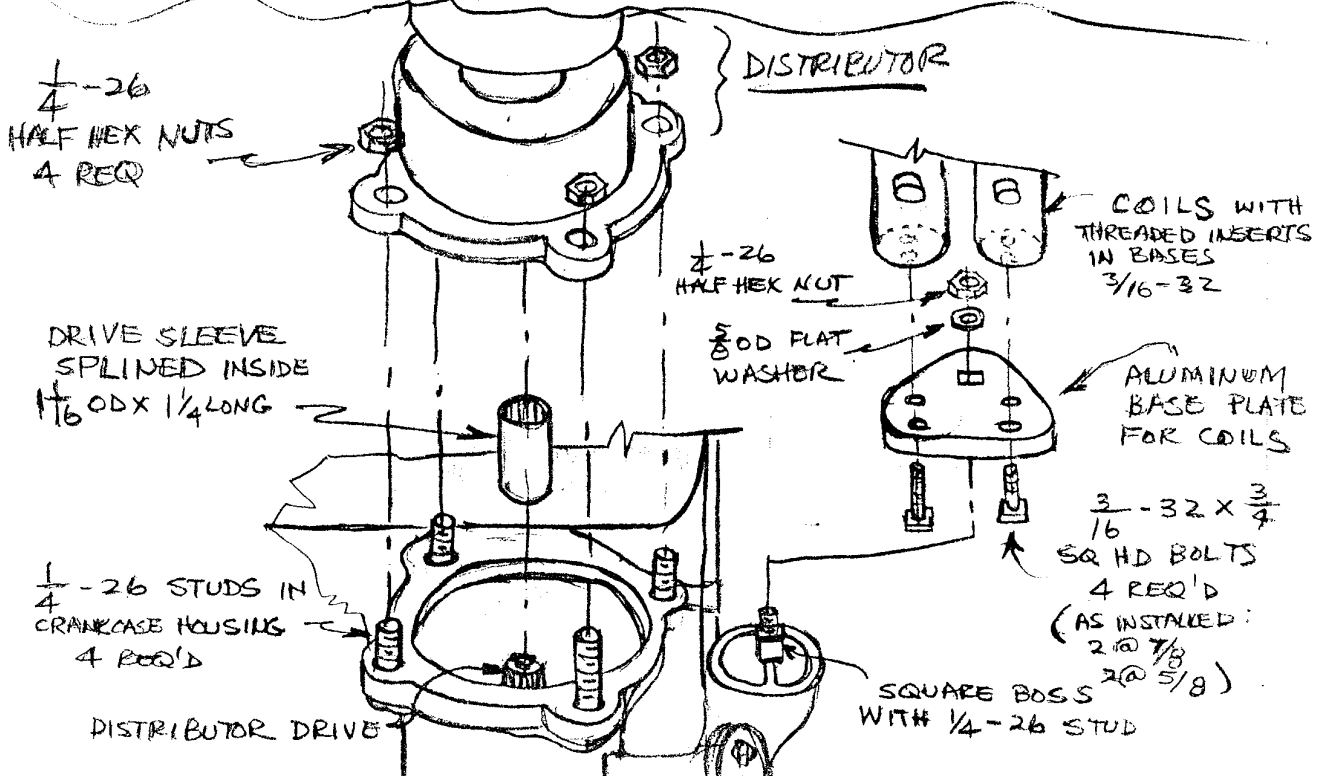


# REAR DRIVE SHAFT CONNECTION

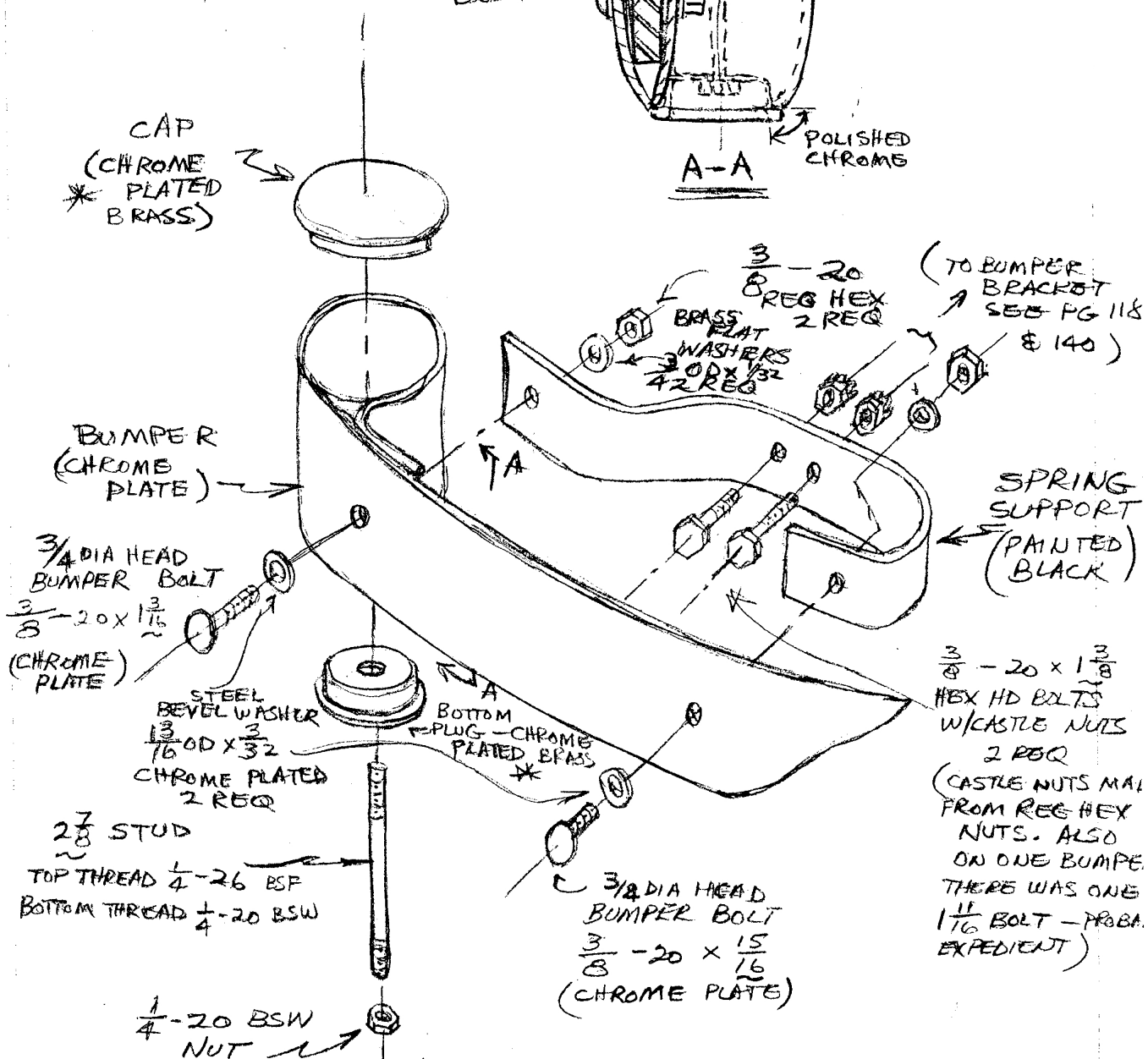
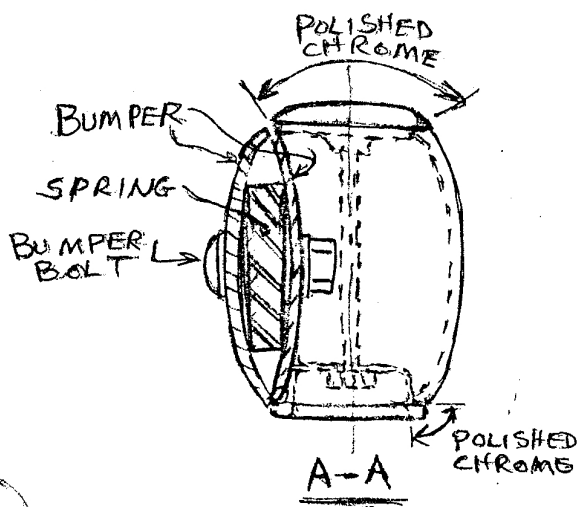
101



## COIL/DISTRIBUTOR



LEFT REAR BUMPER  
(RIGHT SIMILAR)



\* POLISHED CHROME ON TOP OF CAP AND ON BOTTOM EDGE AND BASE

NOTE: THE CHROME BUMPER BOLTS WERE CUT TO LENGTH AND HAD BEEN CARRIAGE BOLTS; THE SQUARE SHANK WAS FILED ROUND.