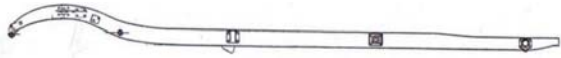


# From the Frame Up, LLC



## Tech Tips:

### CL - WHAT CLIPS ARE NEEDED FOR AN MG TC?

Note: The "Type Clip" designation is proprietary to: From The Frame Up, LLC

| Application            | Location  | Type Clip | # Req'd | Remarks  |
|------------------------|---|-----------|---------|--|
| Brake Lines (BL)       | BL to: Rear axle housing                                  | Q         | 1       |  |
|                        | BL to: Rear axle housing tabs                             | C         | 2       |  |
|                        | BL to: Left rear shocker absorber bracket                 | P2        | 1       | Top inside hole of bracket   |
|                        | BL to: Left main chassis rail                             | P1        | 3       |  |
|                        | Left forward brake line to chassis                        | D         | 1       |  |
|                        | Right forward brake line to chassis                       | D         | 1       |  |
|                        | Right forward brake line to bottom right foot pedal bolt. | C         | 1       |  |
|                        | Chassis main cross-over                                   | H         | 1       |  |
| Fuel Line              | Rear fuel line to chassis                                 | E         | 5       | Left main chassis rail   |
|                        | Front fuel line   | E         | 2       |  |
|                        | Carb overflow pipes to block                              | G         | 1       |  |
|                        | Flex fuel line to battery box                             | R or L    | 1       | If: R =3/8" or L=1/2" dia. fuel line used                                    |
| Wire Harness           | Main harness to left chassis rail                         | F1        | 5       | Home model only  |
|                        | Main harness to left chassis rail                         | F2        | 5       | EXU or Home model with modified harness to add taillights. (larger diameter) |
|                        | Fog Lamp wire to frame                                    | F1        | 1       | EXU - NA   |
|                        | Horn wire to frame  | F2        | 1       | EXU - NA   |
|                        | Main harness conduit to footplate                         | A         | 2       |  |
|                        | Starter and brake light switch wiring                     | C         | 2       |  |
|                        | Coil and fuel pump wiring                                 | E         | 1       |  |
|                        | Main harness to left chassis rail (brass)                 | L         | 1       | Adjacent left front spring, rear shackle                                     |
|                        | Main harness to left engine mount                         | K         | 1       | Bottom forward bolt of left engine mount bracket                             |
|                        | Harness to cross-member front                             | I1        | 2       |  |
|                        | Harness to cross-member rear                              | I1        | 2       |  |
|                        | License plate light wiring                                | B         | 1       | EXU only   |
|                        | Horn wiring to battery box                                | E         | 2       | EXU only   |
|                        | Battery cable to starter                                  | O*        | 1       | *Requires specialty grommet.   |
| Tach and Speedo Cables | Under battery box   | K*        | 2       | *Requires specialty grommet. Alternate clip is Type M.                       |
|                        | Bell housing  | K*        | 1       | *Requires specialty grommet. Alternate clip is Type M.                       |
|                        | Foot plate  | K*        | 1       | *Requires specialty grommet. Alternate clip is Type M.                       |
| Engine Control Cables  | Choke cable   | J         | 1       |  |
|                        | Starter cable   | J         | 1       |  |
|                        | Slow running cable  | N1        | 1       |  |
|                        | Slow running clip*  | N2        | 1       | * specialty clip   |

# FTFU CLIP SPECIFICATIONS: T-Series

**Note:** The following clips, Type A-Type R have known applicability to the TC. These and others clips listed may be applicable to other T-series Models. The following clip specifications are provided to assist you in your selection.

| Type Clip         | Application  | # Req'd | Dia. of Clip Loop | Clip length & width (LxW) | Fastener Diameter | Type Fastener   |
|-------------------|--|---------|-------------------|---------------------------|-------------------|---|
| Type - A          | Main harness conduit to footplate  | 2       | 7/8"              | 2" x 5/8"                 | 9/32"             | 1, Carpet stud – top<br>1, ¼ BSF bolt   |
| Type – B<br>brass | License plate light wiring (EXU)<br>(Note: Drill hole for ¼" bolt)       | 1       | ¼"                | 1" x 5/8"                 | 7/32"             | 1, ¼ BSF bolt   |
| Type – C          | Rear brake line to axle housing tabs                                     | 2       | 3/8"              | 1 ½" x 5/8"               | 5/16"             | 2, ¼ BSF bolt   |
|                   | Front right brake line attached bottom right foot pedal bolt             | 1       |                   |                           |                   | 1, 5/16 BSF bolt  |
|                   | Starter & brake light switch wiring to firewall                          | 2       |                   |                           |                   | 1, Carpet stud – top<br>1, ¼ BSF bolt   |
| Type – D          | Brake line left front  | 1       | 3/8               | 1 1/8" x ¾                | 1/4"              | 1, ¼ BSF bolt   |
| (J-Clip)          | Brake line right front   | 1       |                   |                           |                   | 1, ¼ BSF bolt   |
| Type – E          | Main fuel line (rear)  | 5       | 5/16"             | 1 ¼" x ¾"                 | 7/32"             | 5, 2BA bolt   |
|                   | Main fuel line (front)   | 2       |                   |                           |                   | 2, 2BA bolt   |
|                   | Coil and fuel pump wiring to firewall                                    | 1       |                   |                           |                   | 1, 2BA bolt   |
|                   | Horn wiring to firewall (EXU)  | 2       |                   |                           |                   | 2, 2BA bolt   |
| Type - F1         | Wire harness to left main chassis rail.                                  | 5       | ¼" wire           | NA                        | NA                | NA  |
|                   | Fog lamp wire to frame   | 1       |                   |                           |                   | NA  |
| Type - F2         | Horn wire to frame   | 1       | 3/8" wire         | NA                        | NA                | NA  |
|                   | Wire harness to left chassis rail. (EXU)                                 | 5       |                   |                           |                   | NA  |
| Type – G          | Carb overflow pipe (oblong diameter)                                     | 1       | 3/16X3/8          | 1 1/8"x5/8"               | 11/32"            | 1, 8mm bolt   |
| Type – H          | Brake line to cross member   | 1       |                   | 10" long                  |                   | NA  |
| Type – I1         | Wire harness to front cross-member                                       | 2       |                   | 7" long                   |                   | aluminum  |
|                   | Wire harness to rear cross-member  | 2       |                   | 7" long                   |                   | aluminum  |
| Type – I2         | Pre-war, Wire harness  | AR      |                   | 9" long                   |                   | brass   |
| Type – J          | Choke cable clip   | 1       | 3/16"             | ¾ x ½"                    | 7/32"             | 1, 2BA bolt, holds both   |
|                   | Starter cable clip   | 1       |                   |                           |                   |   |
| Type – K          | Wire harness to left chassis rail eng. mount bracket, lower forward bolt | 1       | 5/8"              | 1 7/8" x 5/8"             | 3/8"              | 1, 5/16 BSF bolt  |
|                   | Tach Cable - Requires use of RU022 Grommet (5/8" OD)                     | 1       |                   |                           |                   | 1, 5/16 BSF bolt under battery box for 2 clips  |
|                   | Speedo Cable - Requires use of RU022 Grommet (5/8" OD)                   | 3       |                   |                           |                   | 1, 5/16 BSF bolt (above)<br>1, Bell housing bolt<br>1, ¼ BSF, csk. M.<br>Screw, gearbox cover |

|                |   |    |        |               |           |                             |
|----------------|---|----|--------|---------------|-----------|-----------------------------|
| Type – L Brass | Wire harness to left main rail, adjacent L- front spring, rear shackle                                  | 1  | ½"     | 1 3/8" x 5/8" | 9/32"     | 1, ¼ BSF bolt               |
|                | Flex fuel line to battery box. Use if dia. is ½". If diameter is 3/8" then use Type R.                  | 1  |        |               |           | 1, 2BA bolt                 |
| Type – M       | Tach Cable (Alternate clip for Type K, if you have an insert grommet ¾" OD)                             | 1  | ¾"     | 1 ¾" x 5/8"   | 11/16"    | See Type K specs            |
|                | Speedo Cable (Alternate clip for Type K, if you have an insert grommet ¾" OD)                           | 3  |        |               |           | See Type K specs            |
| Type – N1      | Slow Running Cable to air filter manifold   | 1  | ¼"     | 1 3/8" x 3/4" | 11/32     | 1, air filter manifold bolt |
| Type – N2      | Slow Running Anchor Clip (Specialty clip)   | 1  | -      | -             | -         | 1, air filter manifold bolt |
| Type – O       | Battery Cable and Starter Wire Clip (swagged and twisted 45 degrees – requires RU022 specialty grommet) | 1  | 11/16" | 2 ½" x 5/8"   | 25/64"    | 1, Top starter bolt         |
| Type – P1      | Brake line left main rail (J clip)  | 3  | ¼"     | 1 3/16" x ¾"  | ¼"        | 3, ¼ BSF bolts              |
| Type – P2      | Brake line to rear left shock absorber bracket (J clip)   | 1  | ¼"     | 1 3/16" x ¾"  | 5/16"     | 1, 5/16 BSF bolt            |
| Type – Q       | Left rear brake line to rear axle housing (non-tab)   | 1  | ¼"     | ¾ x 1 ¼"      | 13/32     | 1, 5/16 BSF bolt            |
| Type – R       | Flex fuel line to battery box, use this if line is 3/8" diameter. If line is ½" diameter use type L     | 1  | 3/8"   | 1 3/8" x 5/8" | 21/64     | 1, 2BA bolt                 |
|                | Other available clips that may fit T-Series   |    |        |               |           |                             |
| Type – S1      | Wire harness (BRASS)  |    | 5/16"  | 1 1/8" x 5/8" | 7/32      |                             |
| Type – S2      | Wire harness (BRASS)  |    | 1/4"   | 1" x 5/8"     | 7/32      |                             |
| Type – T       | Control cable clip (brass)  |    | 3/16"  | 5/8" x 5/16"  | 9/64      |                             |
| Type – U       | Brake line harness  |    | ¼"     | 1 3/8" x ¾"   | 5/16 x ½" | Note: oblong hole           |
| Type – V       | Brake line / harness  |    | 5/16"  | 1 ¼" x ¾"     | 13/32     |                             |
| Type – W       | Side and Tail light lamp wire (no swag)   |    | 3/8"   | 1 ½" x 5/8"   | 11/32     |                             |
| Type – X       | Pipe & Wiring to chassis (spring steel) (single clip) TD/TF   | 17 | 7/32"  | ¾" x ½"       | 5/16"     |                             |
| Type – Y       | Pipe & Wiring to chassis (spring steel) (double clip)   |    |        |               |           |                             |

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