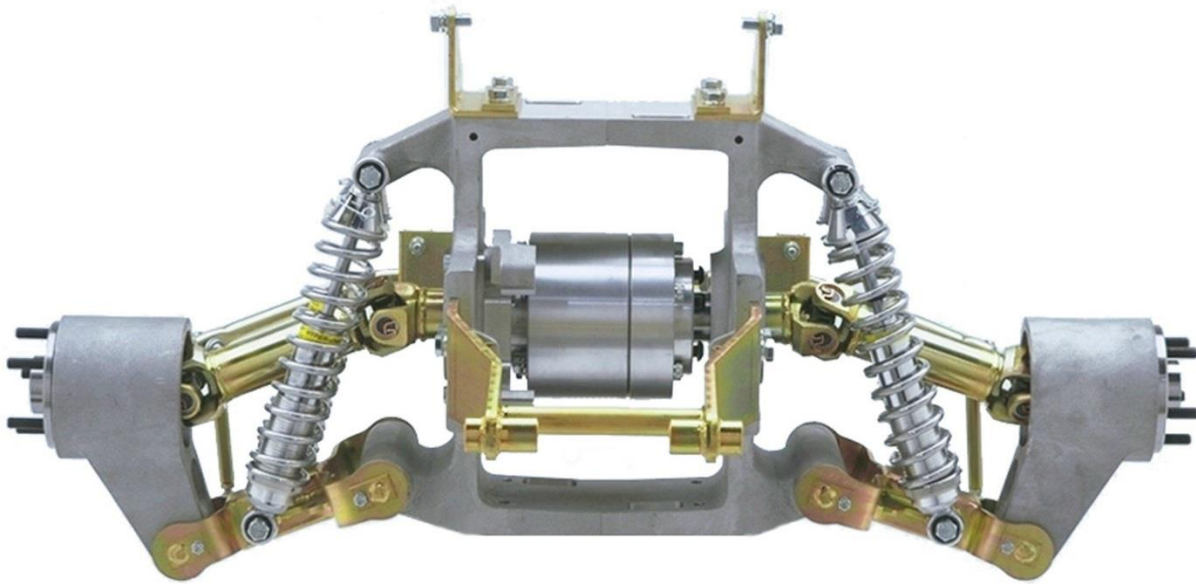


# DFT

## *Trike Conversion*

### *Installation Instructions*

#### *for Harley's*



L.A.T. Enterprises, Inc.



**STEP 1: Remove swing arm and fender assemblies.**



**2A**

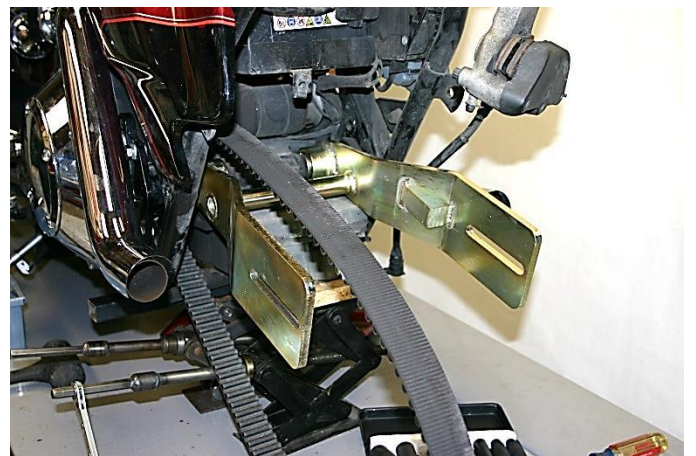


**2B**

**STEP 2A & STEP 2B: Remove stock bearing & spacer set from stock swing arm and install in trike swing arm bracket.**

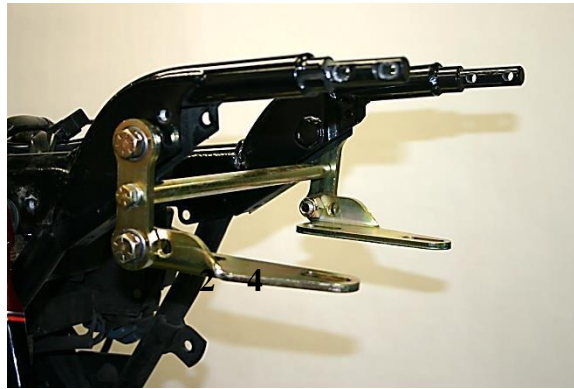


**3A**



**3B**

**STEPS 3A & 3B: Install new bracket on frame.**



**STEP 4: Install unit top mounts. Motorcycle is now ready to accept suspension system.**

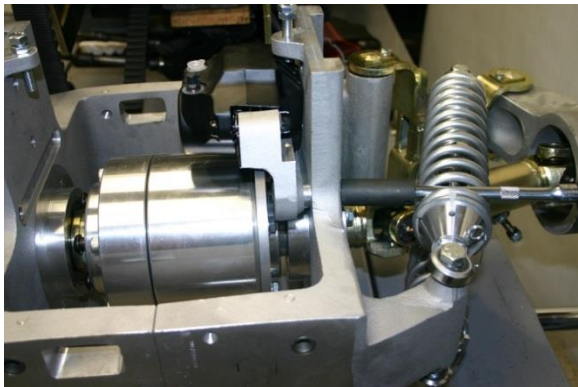


**5A**

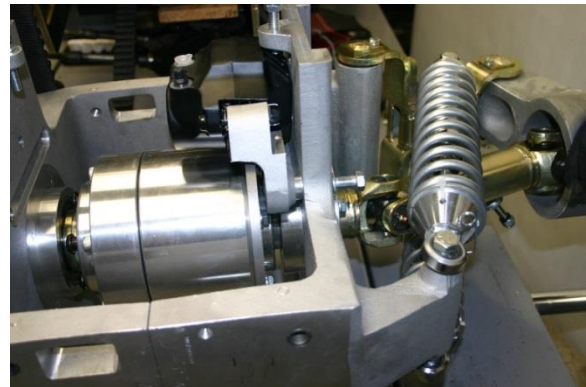


**5B**

**STEPS 5A & 5B: Remove sway bar assembly by removing top sway bar link bolts and sway bar mounting bracket bolts. Set assembly aside.**



**6A**



**6B**



**6C**

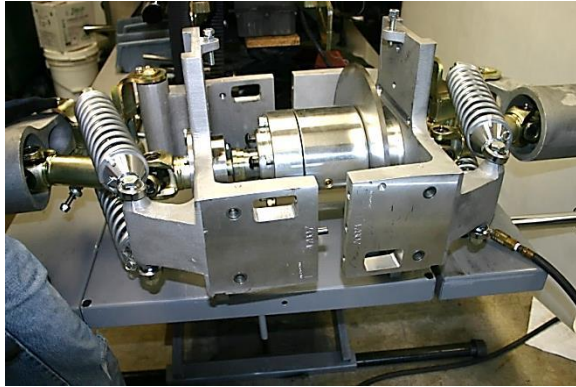


**6D**

**STEPS 6A, 6B, 6C, & 6D: Remove rear brake caliper & bracket as an assembly.**



**STEP 7: Remove main casting bolts, located 2 top & 2 bottom in milled pockets.**



**8A**



**8B**

**STEPS 8A & 8B: Split main castings. Note alignment dowel pins.**



**STEP 9: Remove differential spool.**



**STEP 10: Clamp spool to work bench by rotor.**



**STEP 11: Remove pulley spacer & pulley bolts.**



**12A**



**12B**

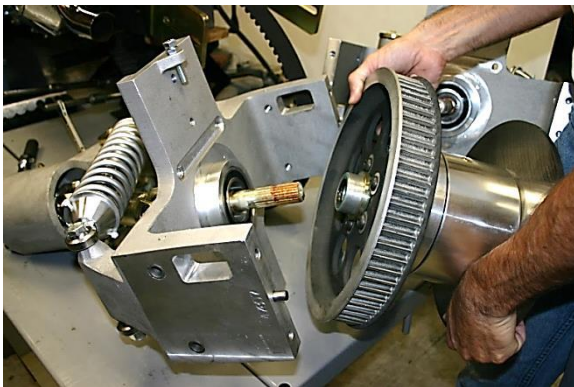


**12C**

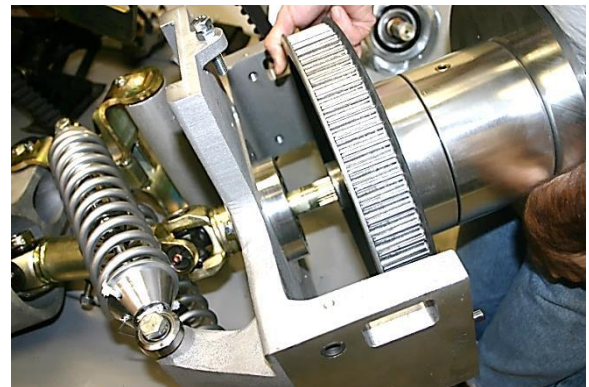
**STEPS 12A, 12B & 12C: Place pulley bolts & spacer on spool. NOTE: Use lock-tight primer & lock tight.**



**STEP 13: Torque to .50 foot pounds.**

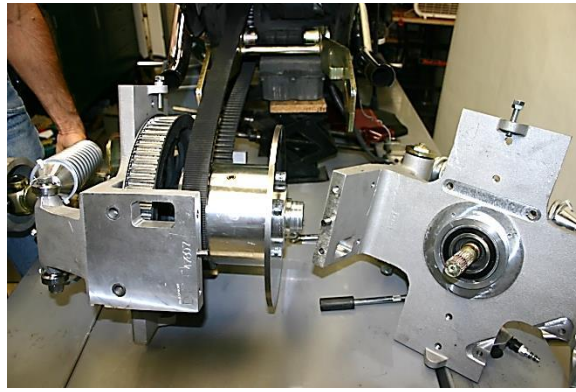


**14A**

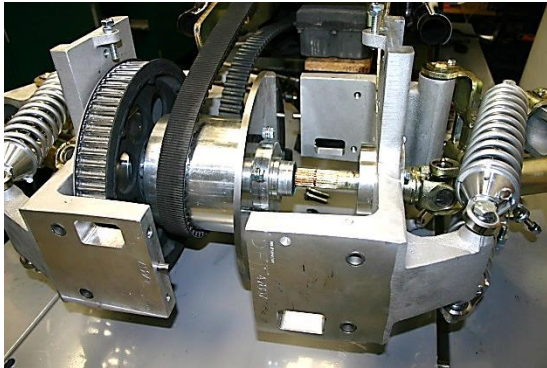


**14B**

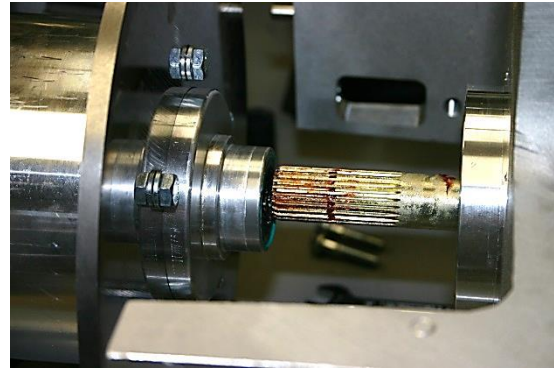
**STEPS 14A & 14B: Replace spool w/pulley installed on left suspension main casting assembly.**



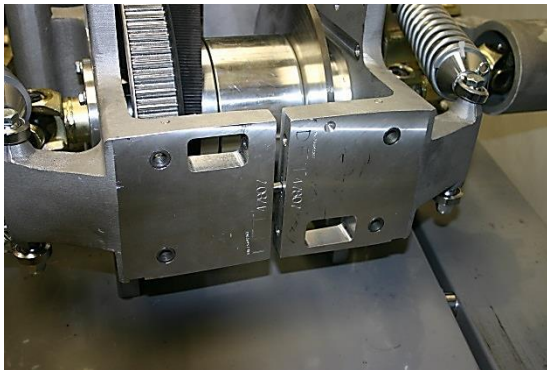
**STEP 15: Place belt on spool.**



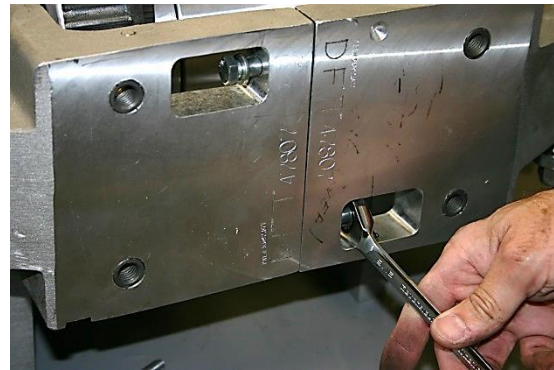
**16A**



**16B**

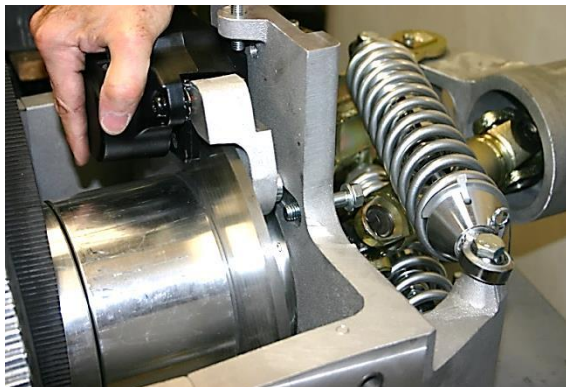


**16C**

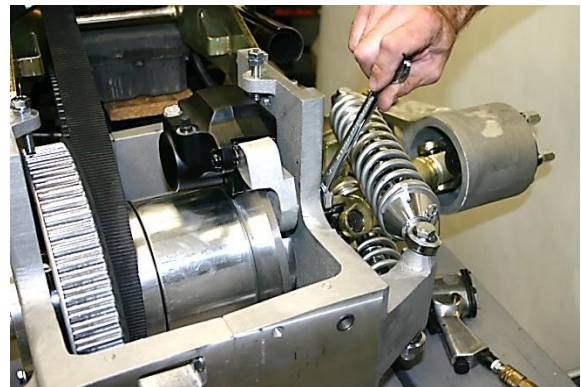


**16D**

**STEPS 16A, 16B, 16C & 16D: Slide left & right assemblies together, always taking care not to damage seals.**

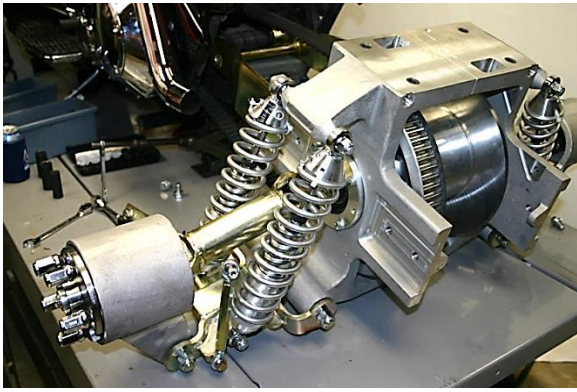


**17A**

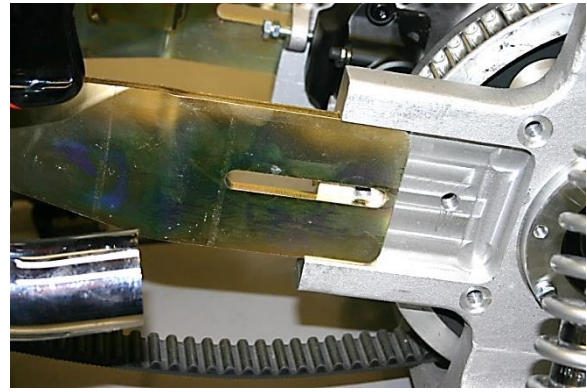


**17B**

**STEPS 17A & 17B: Install Brake Assembly.**

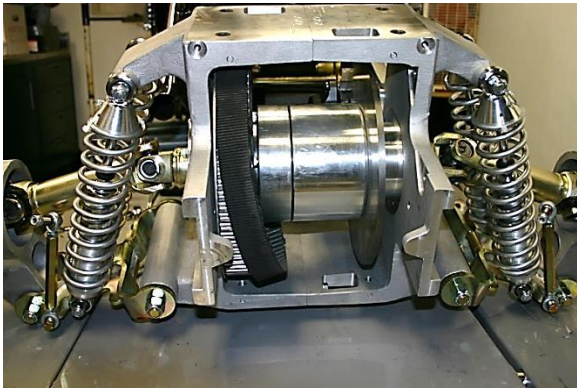


18A

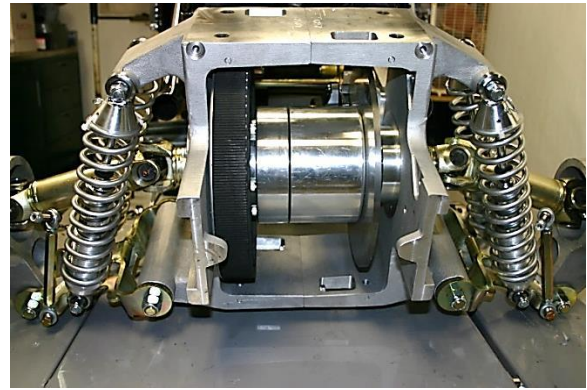


18B

**STEPS 18A & 18B: Slide complete suspension assembly onto swing arm bracket pushing it all the way forward.**



19A



19B

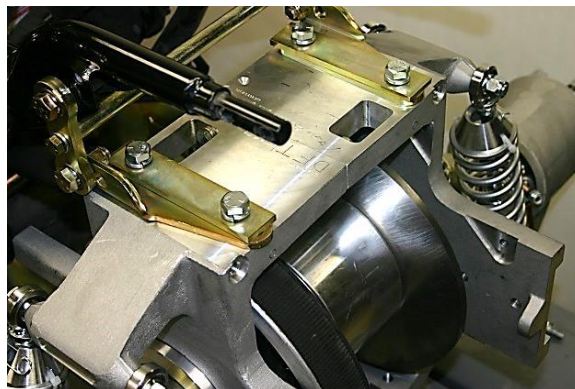
**STEPS 19A & 19B: Roll belt into place.**



20A

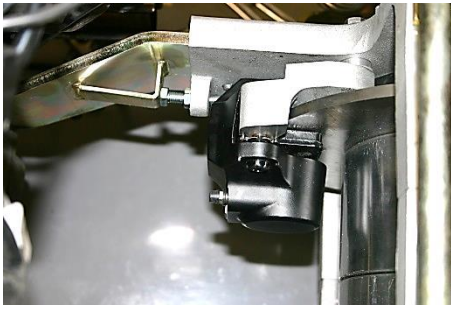


20B



20C

**STEPS 20A, 20B & 20C: Jack unit up into place install all hardware loose, do not tighten at this point.**



21A



21B



21C

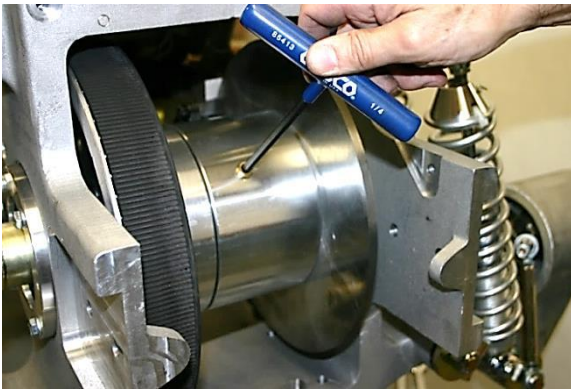


21D



21E

**STEPS 21A, 21B, 21C, 21D & 21E:** Adjust belt tension and square by measuring from half shaft face to center of cross shaft which mounts swing arm. An equal number on both sides will produce square to frame. A properly adjusted belt should have  $\frac{3}{4}$ " movement on bottom side of belt. Before tightening the four bolts on top, be sure that the top mounts are standing straight up at  $90^\circ$ . At this point, tighten all ten  $\frac{1}{2}$ " bolts on the shock mounts, casting top and both sides of swing arm bracket.



22A



22B

**STEPS 22A & 22B:** 5 oz. of 80/90 Gear lube oil is to be put in spool.



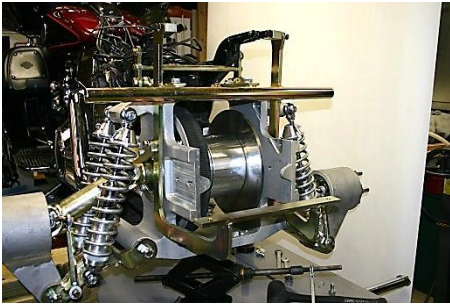
23A



23B

**STEPS 23A & 23B:** Brake line can be fitted (stock line & sittings) bleed.

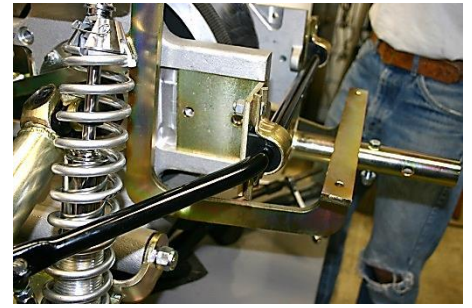




24A



24B



24C



24D



24E



24F

**STEPS 24A, 24B, 24C, 24D, 24E & 24F: Body Mount – sway bar brackets are easily installed simultaneously. By installing the body mount with one bolt on each side, will allow tightening of the sway mounting bracket bolts. Once that is done, the body mount can them be completed.**



25A



25B

**STEPS 25A & 25B: Adjust sway bar links so that they are neutral and of the same length. Lock down all hardware.**



26A



26B

**STEPS 26A & 26B: If a trailer hitch draw bar tube is needed, fit with support bracket.**



**STEP 27: Install wheels and tires and adjust ground height to between 5-1/2 – 5-3/4 on level surface to bottom of main casting at rear with equal threads showing on all 4 shocks.**



28A



28B

**STEPS 28A & 28B: BODY INSTALL:** The bodies on the smoothie model is marked for back rest, speakers, grab bar and seat. Drill the holes you will be using prior to paint. Place body on mounts center on wheels drill 4 holes. Bodies deliver with lights installed, lined trunk, door hinges, latch mounted and wire loom that only needs the plug installed.



***SMOOTHIE***



***FL TOURING***



***LOW RIDER-ST***



***STT SOFTAIL***



***DYNA/SPORTSTER***