



My Trike Build Project: Phase 1- Back To The Future By Rich Lanning



So you just bought that new Harley and want to make it yours. Throwing all the chrome accessories from some catalog on it will only make it look like every other bike in the parking lot. It's time to think outside of the catalog! I have always admired old Harley Servi-Cars and that's the vision I had when I started my project.

The old Servi-Cars had a minimum amount of chrome on them so I stripped the trike down and sent the chrome pieces to be



powder coated. While I was waiting for the parts, I decided to improve on a few things to make the trike handle and run better. First I replaced the stock exhaust header with Vance & Hines cat-less pipes, a K&N breather element, Satin black mufflers by American Exhaust. A stage 1 download was performed by Dean's.

Then I swapped out the stock shock brackets for a set which gives a 1.25 inch lift to the rear end. This got rid of the tail dragger look and made the steering slightly quicker. While the primary cover was off, I replaced the stock chain tensioner with the Hayden spring loaded unit.

For my riding style I felt I should replace the stock clutch spring with a better unit so I replaced it with the Evolution Clutch Spring and also replaced the thin steel retaining ring with the Clutch Wiz retaining ring which is manufactured from aircraft aluminum.

Harley air cooled engines generate heat which makes the underside of the fuel tank basically an oven. So, I raised the fuel tank two inches. This lets air pass over the top of the engine and gives greater access to the rocker boxes for easier cleaning.

Next, I added one inch floor board extensions so I could move my feet farther away from the engine. Now, this is only *Stage 1* of my project and I realize it is not what everybody else would do. But, so far, I have not seen a trike like it in the parking lot.

My Stage 1 modifications are:

- V&H dresser duals-satin black mufflers,
- Hayden Primary chain tensioner
- Clutch Wis-Evolution Clutch
- Evolution Clutch Spring
- Floor board extensions
- Black powder coated primary cover
- Cam cover
- Top & side transmission covers
- Exhaust shields
- Air cleaner cover
- Engine guard
- Front and rear wheels
- Mirrors
- Brake and clutch levers
- Lower front fender trim
- Lower fork legs
- Machined aluminum fork tube covers
- Baby moon hub caps
- Front wheel spacers
- Baby Moon air cleaner insert and
- Built to fit trailer hitch.

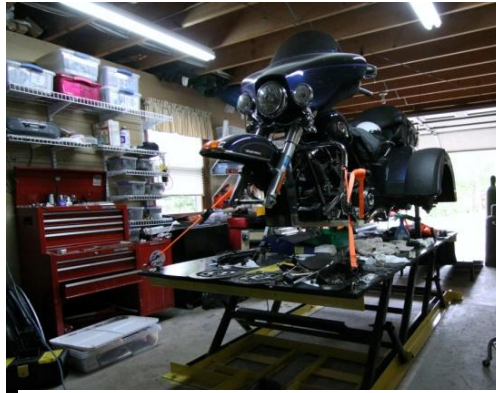
Stage Two will include: cam and push rod swap, fuel management system, powder coated tank console, top of rocker boxes, passenger grab rail, tour pack hinges and latches, front fender trim and rear tail light trim.



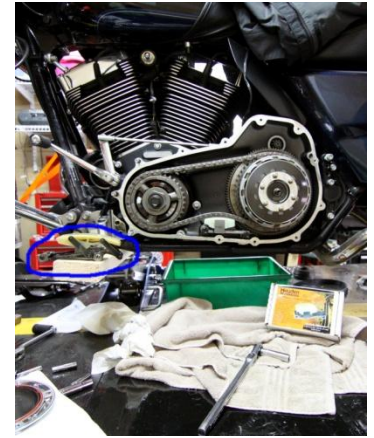
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Air cleaner-trans covers and exhaust shields off to be powder coated



Bike stripped down and parts sent to be powder coated



Stock primary chain tensioner on left, Hayden primary chain tensioner installed



Replacing shock mount brackets with after-market brackets with 1.25 inch lift



Trike with powder coated wheels and powder coated front end



Fuel tank after 2 inch tank lift



Stock clutch spring on left Evolution clutch spring on right



New clutch spring and Clutch Wiz spring retainer installed