

TRS Motor Mounts

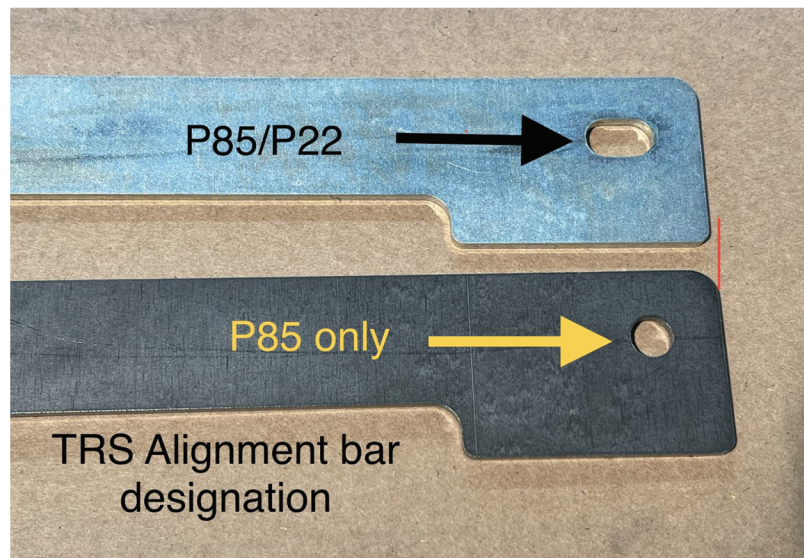
Polaris Patriot 650/850/900 powered sleds

Installation instructions correcting leadin:

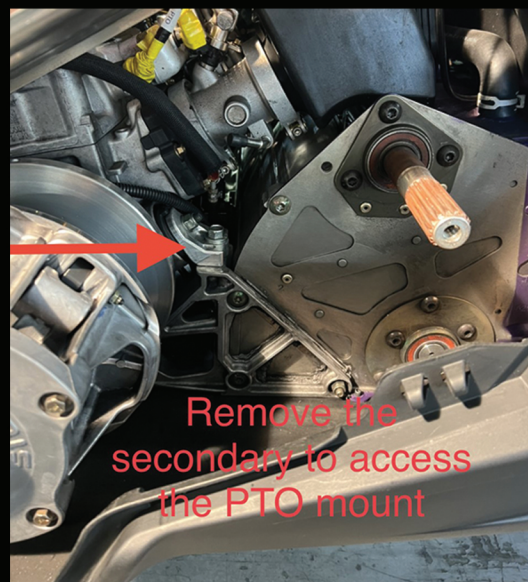
Leadin is the gap you have between the TRS alignment bar at the rear of the secondary when the front of the secondary meets the TRS alignment bar. When utilizing the TRS alignment bar, check to make sure that an ear did not fall into one of the balance holes on the outer edge of the primary.

Wear proper safety eye wear and safety gear.

1. Remove the side panels and hood.
2. Remove the belt and secondary clutch.
3. Remove exhaust canister. If you have a Boost, removing the waste gate actuator eases the can removal. Unplug the actuator, remove the retaining bolts then slide the spring rod out of the wastegate. Notice there is a locating pin on the actuator for proper positioning on the over structure.
4. From the underside of the bulkhead, remove the 2 front mag side mount bolts. (T40)
5. Loosen the front PTO motor mount bolt 1.5-2 turns. This will be the pivot point. You can reach it with a long extension and 13mm socket next to the over structure just in front of the oil tank.(pic)
6. Remove and replace one TRS rear motor mount at a time. Notice the top notched mount is the mag side. Each chassis mount plate has a locating pin, make sure you get them inserted into the new mount before tightening. You can use a small bar to lift the engine to ease mount removal and replacement. Leave the bolts a little loose, torque the nyloc nuts to 18 ft-lbs.
7. Remove your jackshaft shims and reinstall your secondary. With your TRS alignment bar check your leadin. You can use a small bar on the mag side to "massage" your motor into proper alignment(.010-.030"leadin). Lightly tighten the mag side bolt. Recheck leadin and adjust accordingly. Remove the secondary, slightly tighten the PTO bolt, install the secondary and recheck leadin and adjust accordingly. Tighten the front PTO mount bolt. Check leadin again. If you are within spec, replace the front mag mount bolts. You may need to Dremel these holes out a bit to install the bolts. Check that lead in one more time. (Torque the engine mounting bolts to 48 ft-lbs, torque front mag bolts to 22 ft-lbs)
8. Use your TRS bar and reshim your secondary's offset. Replace your belt and adjust your belt deflection.
9. Reinstall your hood and side panels. Enjoy, and Thanks for your business.
10. EGT sensor 32ft-lbs/ vband clamp 53in-lbs/actuator retaining bolts 9ft-lbs



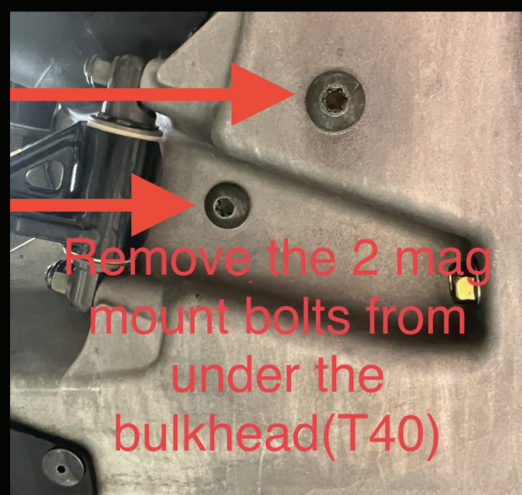
1.



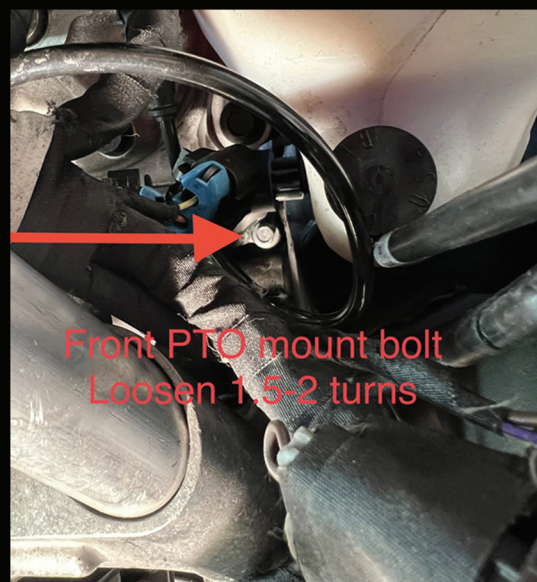
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3.



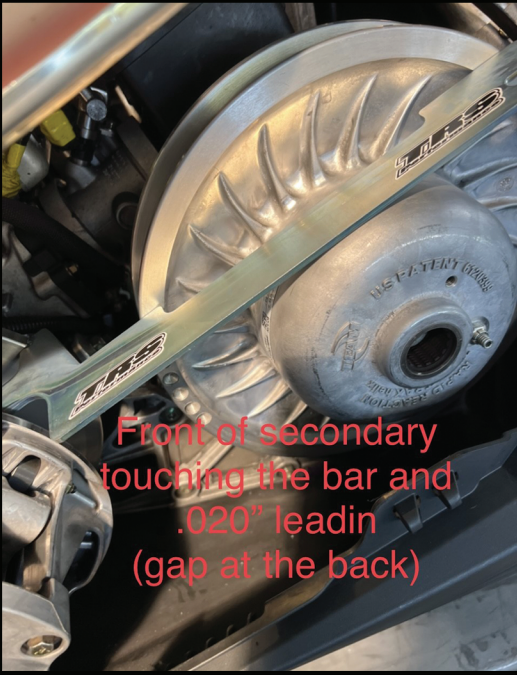
4.



5.



6.



Front of secondary touching the bar and .020" leadin (gap at the back)

7.



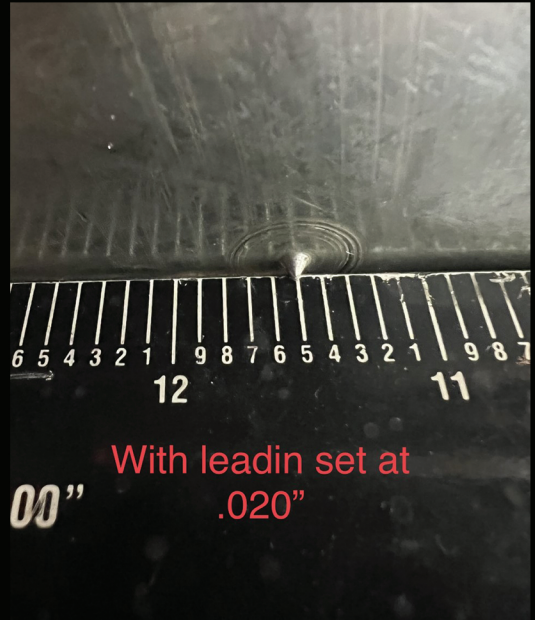
Gap at .010-.030"

8.



You may need to dremel out the holes to replace bolts

9.



With leadin set at .020"

