



PART NUMBER: RF2

**WE ARE NOT RESPONSIBLE FOR ANY DAMAGES.
BE VERY CAREFUL TO NOT DAMAGE YOUR CLUTCH
DURING THIS PROCESS.**

TOOLS NEEDED

- Clutch Belt removal tool
- Primary clutch puller
- T30 Torx
- 22mm Socket
- 19mm Socket
- 17mm Socket

ESTIMATED INSTALL TIME

60 MINUTES



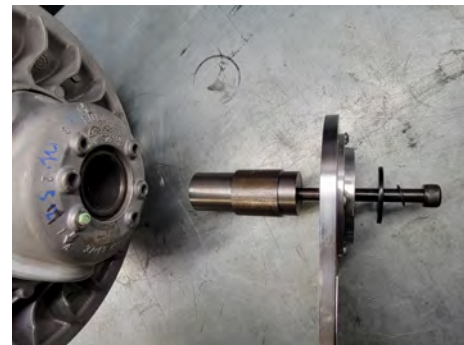
****THE RF2 BRACE WILL ONLY FIT ON 72" CARS (THE RF2 BRACE WILL NOT CLEAR THE TRAILING ARMS AT FULL SUSPENSION COMPRESSION ON 64" MODELS)****

****The RF2 is not designed to be used with an OEM Air Guide clutch cover. The cover will not fit with the RF2 installed****

IF USING OEM PRIMARY AND SECONDARY CLUTCH

- 1) Remove belt box cover. (T30 Torx)
- 2) Remove OEM Primary and Secondary clutch bolt and secondary washer. These will not be reused.
- 3) Install the primary brace cup on the primary clutch. (may be a slight press fit and require light taps with a dead blow to seat over governor cup flange)
- 4) Install the secondary clutch bolt lock washer and secondary RF2 retaining washer on the RF2 secondary clutch bolt.
- 5) Insert secondary bolt assy thru the RF2 bearing and install secondary RF2 billet spacer on secondary clutch bolt.
- 6) Install KWI 630L ULTIMATE clutch bolt and Primary RF2 Retaining Washer thru the RF2 bearing.

*******Complete steps 7) thru 11) if installing KWI float modified clutches. For un-modified OEM clutches skip to step 12)*******

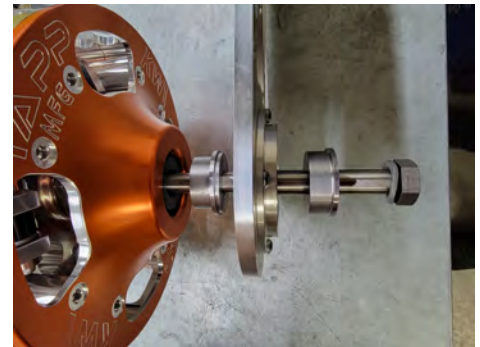


- 7) Install 1 secondary float mod thick shim and 1 secondary float mod thin shim on the RF2 secondary clutch bolt (as an initial shim point) then install the Billet Float Spacer that came with your KWI Float modified clutches.
- 8) Temporarily install RF-2 Brace on the clutches.
- 9) Apply Special lubricant to threads, under the head and on both sides of washers of the 630L ULTIMATE clutch bolt, install and lightly snug the bolt.
- 10) Temporarily install the RF2 secondary clutch bolt, Secondary RF2 retaining washer on the secondary and lightly snug the bolt.
- 11) Check and adjust secondary Float Mod shimming per your "KWI Clutching X3 full floating secondary clutch install instructions"
- 12) With RF2 Brace assembled and installed- tighten the secondary bolt to 45 Ft/Lbs.
- 13) Tighten the KWI 630L primary bolt to 115Ft/Lbs.



IF USING KWI+TAPP PRIMARY AND OEM SECONDARY CLUTCH

- 1) Remove belt box cover. (T30 Torx)
- 2) Remove OEM Primary and Secondary clutch bolt and secondary washer. These will not be reused.
- 3) Remove OEM primary clutch with KWI PUL-1 Primary clutch puller or equivalent.
- 4) Clean clutch and crankshaft taper with brake cleaner or acetone to remove all grease, oil, dirt and dust. Place the TAPP primary clutch on the crankshaft.
- 5) Install the secondary clutch bolt lock washer and secondary RF2 retaining washer on the RF2 secondary clutch bolt.
- 6) Insert secondary bolt assy thru the RF2 bearing and install secondary RF2 billet spacer on secondary clutch bolt.
- 7) Install the RF2 lock washer and primary spacer cup on the KWI 630L ULTIMATE clutch bolt as shown.
- 8) Insert the KWI 630L bolt thru the RF2 bearing and install the primary spacer bushing over the bolt as shown.



*******Complete steps 9) thru 13) if installing KWI float modified clutches. For un-modified OEM clutches skip to step 14)*******

- 9) Install 1 secondary float mod thick shim and 1 secondary float mod thin shim on the RF2 secondary clutch bolt (as an initial shim point) then install the Billet Float Spacer that came with your KWI Float modified clutches.
- 10) Temporarily install RF-2 Brace on the clutches.
- 11) Apply Special lubricant to threads, under the head and on both sides of washers of the 630L ULTIMATE clutch bolt, install and lightly snug the bolt.
- 12) Temporarily install the RF2 secondary clutch bolt, Secondary RF2 retaining washer on the secondary and lightly snug the bolt.
- 13) Check and adjust secondary Float Mod shimming per your "KWI Clutching X3 full floating secondary clutch install instructions"
- 14) With RF2 Brace assembled and installed- tighten the secondary bolt to 45 Ft/Lbs.
- 15) Tighten the KWI 630L primary bolt to 115Ft/Lbs.



CHANGING THE DRIVE BELT

- 1) You will use the RF2 tool kit and special belt tool you received with your RF2.
- 2) Install the belt tool in any open hole in the helix.
- 3) Install the supplied M8 screw in the aft upper RF2 threaded hole to align with the relief in the RF-2 belt tool as shown.
- 4) Screw in M8 Socket cap screw to open secondary as required to remove and install belt.
- 5) Remove M8 socket cap screw and RF2 Belt tool. Put car in park and spin secondary by hand several turns to return belt to idle position.



PARTS INCLUDED

	PART DESCRIPTION	QTY	OEM PART #	OUR PART #
	RF2 BRACE ASSY	1	—	RF2
	KWI 630L PRIMARY BOLT, WASHER, LUBE	1	—	—
	RF2 SECONDARY BOLT AND LOCK WASHER	1	—	—
	RF2 PRIMARY ADAPTERS	1	—	—
	RF2 SECONDARY SPACER AND SHIMS	1	—	—
	RF2 BELT TOOL AND BOLT	1	—	—
	RF2 TOOL KIT	1	—	—

LIABILITY STATEMENT

As defined by the Magnuson-Moss warranty Act. Do not install any performance parts or services unless you have the technical ability to properly set-up the entire machine to compensate for the installation of those parts. The necessary work and expertise needed to install different product varies. Instructions, where provided, are given to assist in installation only; they are not a substitute for mechanical experience in setting up racing vehicles. References to performance gains, reliability, ease of installation, etc. are based on our and outside customer's experiences. This is not a guarantee of similar performance in every installation. While we sell proven products, in the end it's up to the individual to make the most of the product. Kris Werth Inc. d.b.a. KWI Clutching or its associated corporations are not responsible for any personal or property damages caused by this product. Kris Werth Inc. d.b.a. KWI Clutching or its associated corporations assumes no responsibility for damage or injury of any kind because of misuse, improper installation or improper application of any parts in anyway, by any person. Contact your local dealer to schedule installation of this kit if you are not a qualified ATV or UTV mechanic. USE OF PRODUCTS. BUYER SHALL USE, AND REQUIRE ITS EMPLOYEES, CONTRACTORS, AND AGENTS TO USE, ALL AVAILABLE SAFETY PRECAUTIONS, IN ADDITION TO ANY SPECIFICALLY SET FORTH IN ANY MANUALS, MATERIAL SAFETY DATA SHEETS, TECHNICAL DATA SHEETS, INSTRUCTION SHEETS, IF ANY, FURNISHED BY SELLER (OR AVAILABLE FROM RAW MATERIAL SUPPLIERS) RELATING TO SELLER'S PRODUCTS. IF BUYER DOES NOT RECEIVE ANY REQUIRED MATERIAL SAFETY DATA SHEETS FOR ANY PRODUCT FROM SELLER, BUYER WILL REQUEST THEM FROM SELLER. IF BUYER FAILS TO STRICTLY OBSERVE EACH AND EVERY ONE OF THE OBLIGATIONS SET FORTH IN THIS SECTION 22 OR IF BUYER'S USE OF ANY OF SELLER'S PRODUCTS IS IN VIOLATION OF ANY STANDARD OR RULE OF THE AMERICAN NATIONAL STANDARDS INSTITUTE OR OCCUPATIONAL HEALTH AND SAFETY ACT, OR OTHER APPLICABLE WORKPLACE LAW, REGULATION, OR STANDARD, BUYER WILL INDEMNIFY, DEFEND, AND HOLD HARMLESS SELLER AND SELLER AND ITS EMPLOYEES, OFFICERS, DIRECTORS, AGENTS, AFFILIATES, SUCCESSORS AND ASSIGNS FROM AND AGAINST ANY AND ALL CLAIMS, DEMANDS, DAMAGES, ACTIONS, AND CAUSES OF ACTION, AS WELL AS ANY AND ALL LIABILITY, LOSS, OR EXPENSE OF ANY KIND, INCLUDING REASONABLE ATTORNEYS' FEES ARISING FROM, CONNECTED WITH OR IN ANY WAY PERTAINING TO ANY SUCH FAILURE BY BUYER. NOTIFICATION. BUYER SHALL NOTIFY SELLER PROMPTLY, AND IN ANY EVENT WITHIN 30 DAYS, AFTER ANY ACCIDENT OR FAILURE INVOLVING SELLER'S PRODUCTS THAT RESULTS IN PERSONAL INJURY OR DAMAGE TO PROPERTY AND SHALL COOPERATE FULLY WITH SELLER IN INVESTIGATING AND DETERMINING CAUSES OF SUCH ACCIDENT OR FAILURE. ATTORNEYS' FEES AND COSTS. BUYER WILL PAY SELLER'S REASONABLE ATTORNEYS' FEES AND OTHER COSTS AND EXPENSES FOR ANY LEGAL OR EQUITABLE ACTION UNDERTAKEN BY SELLER TO ENFORCE THESE TERMS OR THE PROVISIONS OF ANY SUPPLY AGREEMENT.