

PART NUMBER: RF2-S

**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
- 10mm socket
- Torque wrench



ESTIMATED INSTALL TIME

90 MINUTES

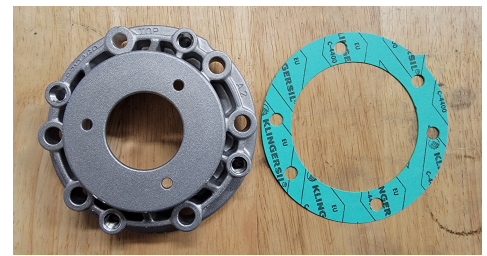
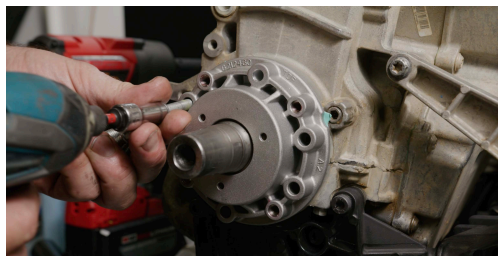
****The RF2-S is not designed to be used with an OEM Air Guide/clutch cover. The cover will not fit with the RF2-S installed****

PREPARATION FOR INSTALL

- 1) Remove clutch bolts from primary and secondary clutches. Remove primary clutch, secondary clutch and airguide clutch enclosure. (See "CAN-AM CLUTCH MANUAL" under "INSTALL DIRECTIONS & MANUALS" on our website support page for detailed clutch and airguide removal instructions).
- 2) Either modify your 4 existing PTO crankshaft bearing cover-to-airguide attach holes by drilling and installing M8 x 1.25 Heli-Coils or Purchase a complete modified bearing cover from KWI.

*******Only drill to the bottom of the existing PTO cover airguide attach holes- do not drill further as you will cause an oil leak and ruin the PTO cover*******

- 3) Install PTO cover with new gasket. Hand Tighten the 4 each PTO cover-to-crankcase attach screws at this time.

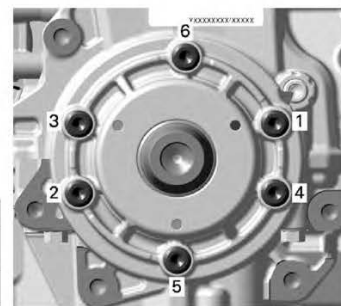


- 4) Remove gearbox counter shaft bearing cover and clean area of all old sealant and any oil with brake cleaner or acetone. (See "X3 GEARBOX SHOP MANUAL" under "INSTALL DIRECTIONS & MANUALS" on our website support page for detailed gearbox maintenance instructions)
- 5) Apply a light even coat of Permatex Ultra Black RTV (or acceptable substitute) to RF2-S gearbox billet cover sealing surfaces.
- 6) Clean mating surface of KWI RF2-S Gearbox billet plate with brake cleaner or acetone.
- 7) Temporarily install KWI RF2-S Gearbox billet plate by hand tightening 1 each Flange head M6 screw in the lower aft hole.
- 8) Install KWI RF2-S Inner plate. Hand start 7 each Countersunk Gearbox billet cover M6 screws and 4 each M8 Countersunk PTO cover screws about 4 turns in. ****leave PTO cover-to-crankcase attach screws loose at this time****
- 9) Torque all all 7 Countersunk Gearbox countershaft cover M6 screws to 80 in/lb.



- 10) Torque 4 each M8 Countersunk KWI RF2-S backplate-to-PTO cover Screws to 120 in/lb.
- 11) Torque 6 each PTO cover-to-crankcase attach screws screws to 17ft/lb.
- 12) Install the Scatter shield on to backplate with 8 each RF2-S backplate to Scatter shield M10 Socket head cap screws/nuts and torque to 17 ft/lb (NO LOCKTITE).
- 13) Install clutches.
- 14) Install belt.

PTO Cover TIGHTENING TORQUE	
Service product	LOCTITE 243 (BLUE) (P/N 293 800 060)
PTO cover screws	23 N•m ± 3 N•m (17 lbf•ft ± 2 lbf•ft)



PARTS INCLUDED

	PART DESCRIPTION	QTY	OEM PART #	OUR PART #
	RF2-S SCATTERSHIELD BACKPLATE	1	—	RF2-S
	RF2-S GEARBOX BILLET COVER	1	—	—
	RF2-S M8 PTO COVER SCREWS	4	—	—
	RF2-S 7 GEARBOX COVER M6 SCREWS	7	—	—
	RF2-S GEARBOX COVER FLANGE SCREW	1	—	—
	RF2-S SCATTERSHIELD	1	—	—
	RF2-S M10 SCATTERSHIELD ATTACH BOLTS	8	—	—

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.