

ASSEMBLY INSTRUCTIONS FOR LETHAL WEAPON DIFFERENTIAL

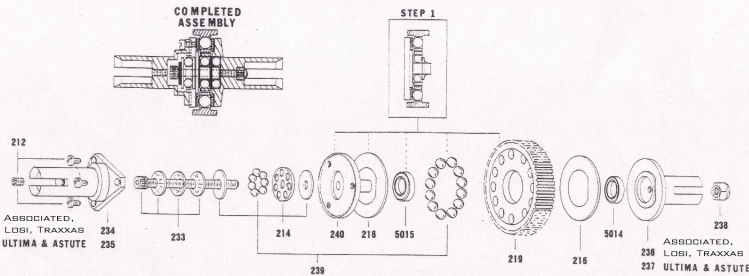
IMPORTANT!

READ ALL INSTRUCTIONS BEFORE YOU START ASSEMBLY. IT IS IMPORTANT THAT YOU FOLLOW THE CORRECT SEQUENCE WE SUGGEST ASSEMBLING THE DIFF OVER A CLOTH OR TOWEL SO THAT PARTS WILL NOT GET LOST.



A&L MANUFACTURING

WHEN ORDERING REPLACEMENT DRIVE ADAPTER OR THRUST PLATE REFER TO DIAGRAMS BELOW



1. Install the #5015 Bearing (5 x 10 x 3mm) into the #219 diff gear. Now take one of the #216 diff rings and place it onto the #240 thrust plate. Make sure the "D" shape in the diff ring locates into place on the thrust plate. Place the diff gear with the installed bearing onto the #240 thrust plate and #216 diff ring. Now place some of the clear grease into each hole in the diff gear and install the 1/8 ball into the 12 holes. You should now have a completed assembly as shown in step 1 diagram.
2. Install the #5014 bearing (5 x 8mm) into the #236, 237 thrust drive adapter. Place the #238 locknut down inside the hole of the #236, 237 thrust drive adapter. Make sure the locknut locates in the hex down inside the thrust drive adapter. It may be necessary to hold the locknut in place with the end of a pen until the clamp screw is tightened into it. Now locate the remaining #216 diff ring to the thrust drive adapter.
3. Hold the step 1 assembly together with your index finger under the #240 thrust plate, your thumb and middle finger on the outside of the diff gear to keep the assembly together. Now locate the thrust drive adapter assembly onto the step 1 assembly. Care must be taken while joining the two assemblies together to make sure the diff rings, balls and bearings stay in their proper positions.
4. Install the three spring washer (note: spring washers are in opposing directions—see diagram) and thrust washer onto the clamp screw. Now take the remaining thrust

washer and install it into the recessed hole on the outside of the #240 thrust plate. Install (7) 3/32 balls into the brass ball retainer case using the black grease and place it onto the clamp screw with the (3) spring washers and thrust washer. While making sure the #238 nut stays in place, tighten the clamp screw (with thrust ball assembly in place) until you feel it bottom out the (3) spring washers. Be careful as to not tighten it past the point of when the spring washers flattened out, as it could cause damage to the outside thrust washer. Now back out the screw 1/8 to 1/12 of a turn.

5. Install the #234, 235 drive adapter to the #240 thrust plate using the (3) 2/56 x 1/8 screws. Make sure you securely tighten the 3 screws as great damage will occur if one comes loose inside the tranny. Note: the 4/40 set screw is to be installed after final adjustment of the diff, and its only purpose is to keep dirt out of the thrust ball assembly. Do not screw it in past the outside of the threads, as it could cause the diff to loosen if it hits the clamp screw.

DIFF SET UP

If you are using an A&L PowerClutch, refer to its instructions. We recommend to use the PowerClutch at all times as it will greatly improve the life of the diff drive train and greatly enhance the handling of the car. The diff should be in correct adjustment by following the procedure in paragraph #4. You should check for any diff slippage. This is best tested on a high bite surface with a modified motor. If there is any diff slippage, tighten the adjustment screw 1/12 of a turn at a time until you no longer slips. Be sure to install the set screw at the end of the drive adapter to keep dirt from entering the thrust ball assembly.

THANK YOU FOR USING A&L QUALITY PRODUCTS. GOOD LUCK & GOOD RACING!!

REPLACEMENT PARTS FOR YOUR LETHAL WEAPON 2 TRANNY

#202	LW 2 COMPLETE DIFF ASSEM.	(FOR ASSOCIATED, LOSI & TRAXXAS)	\$56.95	#235	DRIVE ADAPTER	(FOR ALL KYOSHO & TAMIYA)	\$11.95
#203	LW 2 COMPLETE DIFF ASSEM.	(FOR KYOSHO & TAMIYA)	\$59.95	#236	THRUST DRIVE ADAPTER	(FOR ALL ASSOC. TRAXAS & LOSI)	\$11.95
#204	NYLON TRANNY CASE	(YELLOW)	\$8.95	#237	THRUST DRIVE ADAPTER	(FOR ALL KYO & TAMIYA)	\$11.95
#205	NYLON TRANNY CASE	(PINK)	\$8.95	#238	LOCK NUT 3/48	(DIFF ADJUSTMENT ON LW 2 S EA.)	\$2.75
#206	NYLON TRANNY CASE	(BLUE)	\$8.95	#239	DIFF AND THRUST BALL SET		\$2.75
#212	DIFF HARDWARE	(THREE SMALL 2-56 X 1/8" SCREWS)	\$2.50	#240	THRUST PLATE FOR LW 2'S	(STEEL INNER HUB AT DIFF GEAR)	\$11.95
#214	THRUST BALL ASSEMBLY	(FOR ALL LETHAL WEAPONS)	\$6.95	#252	THRUST PLATE FOR LW 2'S	(ALUMINUM INNER HUB AT DIFF GEAR)	\$11.95
#216	DIFF RINGS	(DOUBLE DISK GROUND, HARDENED, 'D' SHAPED)	\$3.00	#241	TOP BRACE FOR KING CAB & H-LUX	(TRANNY TO CHASSIS)	\$3.50
#219	THREE PIECE GEAR SET	(WITH NO SHAFT IN TOP GEAR)	\$6.95	#242	CHASSIS EXTENSION FOR KING CAB & H-LUX		\$7.50
#222	THREE PIECE GEAR SET	(WITH TOP GEAR ON SHAFT)	\$12.50	#243	TOP BRACE TRAXXAS TRX/1 & B&LS	(TRANNY TO BULKHEAD)	\$3.95
#223	SPUR GEAR ADAPTER	(NYLON, FOR USE WITH NO SLIPPER)	\$7.00	#244	TRAXXAS TOP BRACE SPACERS	(PKG. 2 Pcs.)	\$1.95
#224	GEAR COVER	(CLEAR .030" THICK LEXAN)	\$2.25	#245	DRILL JIG FOR TRAXXAS TRX/1 & B&LS	(HOLES IN CHASSIS)	\$3.50
#225	REPLACEMENT MOTOR PLATE	(B/19 FIBERGLASS)	\$6.95	#246	TRAXXAS SCREW SET	(SPECIAL SET FOR MOUNTING LW 2 TO CHASSIS)	\$2.50
#226	TOP BRACE	(TRANNY TO BULKHEAD; RC16, RC10T, KYOSHO)	\$3.50	#247	DIFF LUBES	(PG2 TYPES TOGETHER, THRUST & DIFF GEAR)	\$2.75
#227	DRILL JIG & SPACER	(ASSOCIATED & KYOSHO)	\$3.50	#248	PIT BOSS	(GEARING CHARTS, HELPFUL HINTS & MAINTENANCE)	\$.75
#228	SCREW SET	(FOR TRANNY CASE, 440 X 11/4", & 7/8")	\$6.50	#249	TOP BRACE FOR LOSI PRO SE & LXT		\$3.50
#229	SCREW SET	(FOR MOUNTING SPUR GEAR TO NYLON ADAPTER)	\$4.50	#250	DRILL JIG FOR LOSI PRO SE & LXT		\$3.50
#230	BELT	(THE HEART OF THE LETHAL WEAPON-1/4" X 72 TOOTH)	\$5.95	#269	FINNED ALUMINUM HEAT SINK MOTOR SPACER		\$4.95
#231	CHASSIS ADAPTER PLATE	(FOR TAMIYA ASTUTE)	\$8.95	#270	REPLACEMENT ALUMINUM MOTOR SPACER NOT FINNED		\$2.00
#232	FINNED ALUMINUM HEATSINKED MOTOR PLATE		\$12.95	#1211	DOG BONE FOR TRX/1 & LOSI PRO SE	(WITH LW 2 -PKGD 1 EA.)	\$9.95
#233	CLAMP SCREW AND CONE WASHERS		\$2.95	#1215	DOG BONE FOR TRAX. BLU EG. LS & LOSI LXT	(WITH LW2 PKG 1 EA.)	\$10.95
#234	DRIVE ADAPTER	(FOR ALL ASSOCIATED TRAXXAS & LOSI)	\$11.95	#5004	3/8" X 5/8" NON-FLANGED BEARINGS	(FOR OUT DRIVES/PKGD 1 EA.)	\$5.50
#251	DRIVE ADAPTER	(FOR ALL ASSOC. TRAXXAS WITH ALUMINUM THRUST PLATE #252 REFER TO FIGURE #1)	\$11.95	#5005	5mmX11mm NON-FLANGED BEARINGS	(PKG2 2 EA.)	\$5.50
				#5006	COMPLETE SEALED BEARING KIT	(FOR LETHAL WEAPON 1)	\$29.50
				#5007	3/8"X.010" SHIMS	(FOR SPACING DIFF IN CASE)	\$3.00
				#5008	5mmX.010" SHIMS	(FOR SPACING PLAY OUT OF TOP SHAFT, 10 EA.)	\$3.00
				#5014	5mmX8mm NON-FLANGED BB	(FOR CENTER OF DIFF)	\$5.50
				#5015	5mmX11mmX3mm NON-FLANGED	(SPECIAL 4 CENTER DIFF GEAR)	\$5.75
				#5016	COMPLETE BEARING KIT FOR ALL LW 2s	(PKG2 & P.C.)	\$38.50