

## Project Parts List

	Estimated Cost	Actual Cost	Vendor
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Following are the parts required for the swap:

1 x 1UZ-FE engine		\$600.00	Private Owner, eBay
1 x 1993 1UZ-FE complete wiring harness w/traction control option	\$200.00	\$100.00	Private Owner, Gazi, ClubLexus
1 x 1993 1UZ-FE engine control unit (ECU), shall not be older than 1993 since bugs were reported in earlier ECUs		\$100.00	Private Owner, Gazi, ClubLexus
1 x 1993 1UZ-FE twin igniters		\$40.00	Private Owner, Gazi, ClubLexus
1 x 1993 1UZ-FE AFM		\$60.00	Private Owner, Gazi, ClubLexus
1 x 1993 1UZ-FE intake plumbing from AFM to throttle body	\$75.00	\$10.00	Private Owner, Gazi, ClubLexus
1 x stage 3 clutch kit for R154 transmission	\$234.00	\$235.00	F1 Racing Clutches, eBay
1 x 1JZ-GTE to R154 bellhousing	\$300.00	\$300.00	Champion Toyota, Jeff Watson
1 x 1UZ-FE manual fan pulley to replace hydraulic pump	\$100.00	\$149.00	Lextreme, David Phan
1 x Adjustable Temp Control, part no. FLX-31147		\$26.95	Summit Racing
1 x Mounting brackets, part no. FLX-32124		\$8.99	Summit Racing
1 x Relay 30-Amp 5-prong, part no. PRM-19002		\$9.88	Summit Racing
1 x electric radiator fan, part no. PRM-19124	\$145.28	\$117.95	Summit Racing, PermaCool 14" high output fan + thermostatic switch + relay
1 x 1987 Toyota Pickup Truck brake booster	\$190.00	n/a	Supra brake boost, use metal shaping hammer
1 x Spectre 3" MAF adapter part no. 81413		\$24.77	eBay - shipping included
1 x Toyota Supra 7M-GE throttle cable		\$20.00	Salvage yard via Cjsupra90 - shipping included
1 x Mini tubing cutter		\$6.99	Autozone
1 x Spectre Blue Breather Filter		\$3.99	Autozone
1 x 2pk 3/4" to 1-3/4" hose clamps		\$2.49	Autozone
1 x 4pk 1/4" to 5/8" hose clamps		\$2.49	Autozone
2 x 2pk 1-1/4" to 2-1/4" hose clamps		\$4.98	Autozone
4 x 5/8" Loom clips		\$4.01	Brave Industrial Fasteners
1 x 3ft WH Push on hose 5/8" Item H20110		\$5.71	Edwards Industrial Sales, Inc.
1 x Molded Radiator Hose part GDY60885		\$20.78	Myers Automotive Supply, Inc. Parts Plus
1 x Molded Radiator Hose part GDY60663		\$22.23	Myers Automotive Supply, Inc. Parts Plus
1 x 7/8" Open ended/Box wrench (spanner)		\$11.09	Myers Automotive Supply, Inc. Parts Plus
1 x 5/8" / 11/16" flare wrench		\$9.49	Myers Automotive Supply, Inc. Parts Plus
1 x 11/16" Open ended/Box wrench (spanner)		\$7.89	Myers Automotive Supply, Inc. Parts Plus
1 x 8" Adjustable Wrench (crescent wrench)		\$8.89	Myers Automotive Supply, Inc. Parts Plus
1 x Lucas Power Steering Stop Leak 12oz		\$8.99	Autozone
1 x Valucraft Dot3 Brake Fluid, 32oz		\$3.99	Autozone
1 x Clutch Master Cylinder, Part no. RBBM1619		\$32.99	Myers Automotive Supply, Inc. Parts Plus
1 x Clutch Slave Cylinder, Part no. RBBS1663		\$39.99	Myers Automotive Supply, Inc. Parts Plus

1 x 31/64" HSS Drill Bit	\$9.99 Ace Hardware
1 x 13/32" HSS Drill Bit	\$7.99 Ace Hardware
2 x 20' 12AWG UL insulated wire	\$9.98 Westshore Communication
1 x Flex Hose, Part no. GDYFF194	\$8.99 Myers Automotive Supply, Inc. Parts Plus
1 x Oil drain plug, Part no. DOR090-075 (used to cap valve outlet at PS Pump connection)	\$4.69 Myers Automotive Supply, Inc. Parts Plus
1 x pack of "hook" type electrical crimps	\$4.23 E&D's Auto High Performance
1 x 3ft 5/8" Heater Hose, Part no. GDY65004	\$3.27 Myers Automotive Supply, Inc. Parts Plus
1 x 2ft Fuel/emissions hose, Part no. GDY65127	\$1.98 Myers Automotive Supply, Inc. Parts Plus
1 x 16AWG 3 conductor wire, Part no. PIC8142PT	\$15.08 Myers Automotive Supply, Inc. Parts Plus
1 x 12ft Black convoluted tubing 3/4", Part no. PIC5143A	\$5.40 Myers Automotive Supply, Inc. Parts Plus
1 x 2ft 3/8" clear fuel line, Part No GDYDV310	\$1.90 Myers Automotive Supply, Inc. Parts Plus
1 x 20ft 4AWG wire, Part no BWDBCW104	\$53.80 Myers Automotive Supply, Inc. Parts Plus
1 x pack of 3/4" loom clips, Part no PIC7318PT	\$6.75 Myers Automotive Supply, Inc. Parts Plus
1 x 2pk 4AWG 1/4" hole crimps, Part no. PIC4236KT	\$2.63 Myers Automotive Supply, Inc. Parts Plus
1 x Gatorback Poly-V Belt, Part no. GDY4060630 (serpentine belt)	\$30.19 Myers Automotive Supply, Inc. Parts Plus
1 x P.P. Dot3 Brake Fluid, 32oz	\$4.99 Myers Automotive Supply, Inc. Parts Plus
Washers, snap rings, bolts and springs for R154 input shaft/clutch rebuild: 1x96152-00450, 1x90201-71001, 1x90206-72001, 1x90520-67001, 1x90201-45023, 1x31264-14040, 6x90119-08782, 1x31131-30010 (gasket, clutch cover, not needed afterall), 1x31128-14010 (clutch cover, not needed afterall)	\$66.68 Elmhurst Toyota, price includes shipping
Timing belt kit - 1x13568-59045, 1x13503-0F010, 1x13505-50022, 2x90311-38036, 1x90311-A0001, 1x16100-50023-83, 1x96761-35035, 1x16325-62010	Champion Toyota, Jeff Watson (added a couple of extra parts but don't have invoice handy otherwise price would have been about \$20 cheaper)
Magnaflow 3" Y-pipe, Part no. MPE-10798	\$26.95 Summit Racing
Magnaflow 3" single inlet, 3" dual outlet, Part no. MPE-12298	\$98.95 Summit Racing
4 x Dynomax 2.5" mandrel U-bends, Pat no. WLK-42322	\$67.80 Summit Racing
2 x Dynomax 3" to 2.5" reducers, part no. WLK-41972	\$32.78 Summit Racing
1 x EAR-165056ERL - Aluminum tubing adapter -6AN to 5/16"	\$9.25 Summit Racing
1 x Earl's 9894DBH Female Metric W/ internal Oring seat to AN male adapter	\$6.49 Anplumbing.com
1 x Earl's 9919DFH Metric thread male to AN adapter male.	\$7.99 Anplumbing.com
1 x Earl's 700167 Super Stock Straight hose end	\$3.49 Anplumbing.com
1 x Earl's 709167 Super Stock 90 deg hose end	\$13.89 Anplumbing.com
1 x Part no. 790006 Super Stock Hose Blue, 2ft section	\$7.18 Anplumbing.com
4 x Earl's 300106 Straight Auto-Fit Hose End	\$24.04 Anplumbing.com
2 x Earl's 981506 Union-Male A.N. TO A.N. Adapter	\$5.66 Anplumbing.com
Earl's 165006 Hard Line Tubing Adapter, Male AN (Wrong size, do not use)	\$7.73 Anplumbing.com
Part No. 306006 Auto-Flex Hose For Swivel Seal & Auto-Fit Hose Ends 6ft section	\$30.84 Anplumbing.com
EGR Block-off kit	\$99.00 Lextreme, David Phan
3/8" Mild Steel Cat flanges	\$30.00 Lextreme, David Phan
Ball-peen hammer	Home Depot
Solder	Home Depot
Multipacks of shrink tubing	Home Depot
Solder Tips for soldering gun	Ace Hardware

Chainsaw sharpening file, smooth finish (used for depurrring hard lines)		Ace Hardware
6" x 24" Aluminum sheet metal		Home Depot
4 x M6-1.0x25mm hex head bolts		Home Depot
8 x M6 flat washers		Home Depot
4 x M6 lock washers		Home Depot
24pack blue wire nuts		Home Depot
2 x M12-1.5 x 2.5 inches hex head bolts (or 1/2" diameter if going for SAE)		Home Depot
4 x M12 (or 1/2") flat washers		Home Depot
2 x M12 (or 1/2") lock washers		Home Depot
3 litres of Redline MT90		\$36.00 SpooledUp Racing
2 litres of Redline 75W90 Differential Oil w/LSD additive (Hypoid Oil)		\$24.00 SpooledUp Racing
3 litres of ??? Coolant (phosphor free, all organic)		\$36.00 SpooledUp Racing
5 quarts of Castrol Synblend 5w30		
1 pint of Marvel Mystery Oil		
1 oil filter		
1 x Spectre conical air filter, 3" ID		\$29.99 Autozone
<b>Services Required:</b>		
1 x fabricated flywheel - purchased, three week lead time		\$300.00 Rob, Suprcharged.com
1 x fabricated 1UZ-FE to R154 bellhousing adapter + hardware	\$500.00	\$450.00 Eric, TTC Performance
2 x fabricated engine mounts	\$200.00	\$40.00 Paid for materials only
Fabricated mandrel bent exhaust (2.5" dual to 3" y-pipe out to a single 3" muffler)	\$500.00	\$250.00 Scott's Auto & Towing (see exhaust parts in above list)
power steering line rebuilt and reflanged		\$80.00 Myers Automotive Supply
<b>After the swap:</b>		
Coilover suspension, my current OEM suspension is shot and the new motor will actually make the front of the car sit higher	\$1,500.00	\$906.00 Megan Racin Track Series Coilovers
Larger anti-sway bars such as a Suspension Techniques package	\$300.00	\$120.00 Dr Jonez (require new bushings still)
Front and Rear strut tower bars	\$200.00	
Battery relocation to rear of car?	\$150.00	
Single piece aluminum drive shaft?	\$449.99	\$349.99 Driveshaft Shop (Internet) or Shaftmasters
Rebuild the LSD differential?		
Total:	\$5,044.27	\$5,706.78

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