



PETROWORKS

OFF-ROAD PRODUCTS

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In purchasing a Petroworks "Gear Reduction System" (G.R.S.) for your Suzuki Samurai, you have acquired a quality product that has been proven to function well. We are confident that you will be very pleased with the performance of the G.R.S. both on on-road and off-road.

The "Gear Reduction System" kit is easy to install with only a few special tools such as snap-ring pliers and gear pullers. Please read through the enclosed instructions before you start to be sure that you are familiar with the installation procedure. Be sure that you torque all nuts and bolts per the following chart. **DO NOT over tighten!**

Torque Chart	
Fastening parts	lb-ft
Front case bolt	9.5 - 16.5
Center case bolt	9.5 - 16.5
Counter shaft lock plate bolt	7.0 - 12.0
Universal joint flange nut	80.0 - 108.0
Transfer mounting bracket bolt	13.5 - 20.0
Transfer mounting nut	18.5 - 25.0
Cross joint bolt and nut	17.0 - 21.5
Oil filter and drain plug	26.5 - 39.0

Parts List		
1	Input Gear	GRS-9006
1	Low Output Gear	GRS-9007
1	Cluster Gear	GRS-9008
1	Shaft	29131-80050
2	Bearings	29983-80050
2	Washers	29956-80050
1	Shim Pak	GRS-9009
1	'O' Ring	29975-80050
1	Center Case Gasket	29525-80050
1	Front Case Gasket	29535-80050

Please check parts list to be sure that you have all necessary parts. In the event that you find that you need to replace any seals, bearings or other parts in your transfer case, Petroworks can provide these items for you. We will ship via Next Day Air if you require.