

TRANSMISSION REMOVAL & INSTALLATION - M/T

1986 Isuzu Trooper II

Manual Transmission Removal

1986 Trooper II

REMOVAL & INSTALLATION

Removal

1) Disconnect negative battery cable. Drain transmission. Slide transmission and transfer case shift lever boots upward on levers. Remove gear shift lever mount bolts. Remove spring from transfer case shift lever and both levers. Remove starter mount bolts and starter.

2) Raise and support vehicle. Disconnect exhaust pipe from manifold. Remove exhaust hanger from transmission. Disconnect speedometer and ground label at transmission. Disconnect rear drive shaft at differential. Remove 2 center bearing mount bolts.

3) Remove first and second rear drive shafts together. Disconnect front drive shaft at both ends. Remove return spring at clutch fork. Disconnect clutch cable from clutch fork. Pull clutch cable forward through stiffener bracket. Remove 2 lower flywheel guard mount bolts.

4) Remove 2 frame bracket-to-transmission rear mount bolts and nuts. Raise engine and transmission assembly slightly. Remove 4 crossmember-to-frame bracket bolts. Remove 2 rear mount bolts from transfer case. Support rear of engine.

5) Remove side case mount bolts and nuts. Use care not to lose shift rod detent spring and detent ball during side case removal. Remove side case. Disconnect electrical connectors from transmission. Remove shift cover and gasket from top of transfer case. Remove bolts attaching transmission to engine.

NOTE: When removing 4WD transmission, swing transmission case 90 degrees clockwise for easier removal.

6) Pull transmission straight back to clear clutch assembly. Tilt front of transmission down and remove. Index mark pressure plate and flywheel for reassembly reference. Loosen pressure plate attaching bolts evenly until pressure is relieved. Support clutch assembly with clutch aligning tool. Remove clutch assembly.

Installation

1) Using aligning tool, install clutch assembly in original position. Tighten bolts evenly, in criss-cross pattern. Lightly lubricate input shaft splines, clutch hub and release bearing contact surfaces with molybdenum grease.

2) To complete installation, reverse removal procedure. Readjust clutch pedal height and free play. Refill transmission.