Shifting Procedure for Fabco Transfer Cases

Procedure # 465-0294
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Transfer Case Shifting Instructions

A Transfer Case can be confused with a Split Shaft Power Take Off (PTO). See following page for a comparison between the two types of gearboxes. For Split shaft PTO operating instructions, see Fabco Procedure 465-0284.

The below instructions are general in nature and do not reflect any shift control interlock systems the truck OEM may have in place. Please consult truck OEM for further information.

ENGAGING THE FRONT DRIVE AXLE:
1. The front drive axle may be engaged at any speed provided the rear wheels are not spinning out.
2. In some vehicle applications the vehicle must be stopped to engage the front drive axle.
3. Stop the vehicle.
4. Shift the transmission into neutral.
5. Engage the front drive axle.
6. Place the transmission into gear.
7. Let the vehicle roll momentarily.
8. Resume operation.

SHIFTING THE TRANSFER CASE INTO HIGH OR LOW RANGE:
1. Shifting the transfer case between high and low ranges must be made while the vehicle is stationary to avoid serious damage to the internal transfer case components.
2. Stop the vehicle.
3. Shift the transmission into neutral.
4. Engage the transfer case into high or low range.
5. Place the transmission into gear.
6. Vehicles with automatic transmissions may require shifting into reverse.
7. Let the vehicle roll momentarily.
8. Resume operation.

ENGAGING THE TRANSFER CASE POWER TAKE OFF (PTO):
1. When the transfer case is equipped with a power take off the PTO can be operated with the vehicle stationary or with the vehicle rolling.
2. PTO OPERATION WITH THE VEHICLE STATIONARY.
   a. Stop the vehicle.
   b. Shift the transmission into neutral.
   c. Engage the power take off.
   d. Engage the transfer case into neutral.
   e. Place the transmission into gear.
   f. Vehicles with automatic transmissions may require shifting into reverse.
   g. Let the engine rotate slowly momentarily.
   h. Resume operation.
3. PTO OPERATION WITH THE VEHICLE ROLLING.
   a. Stop the vehicle.
   b. Shift the transmission into neutral.
   c. Engage the power take off.
   d. Place the transmission into gear.
   e. Vehicles with automatic transmissions may require shifting into reverse.
   f. Let the vehicle roll momentarily.
   g. Resume operation.
Guide to distinguish between Transfer Case and Split Shaft PTO

Typical All Wheel Drive truck with Transfer Case. Use this document for shifting instructions.

Typical truck with Split Shaft PTO. Use Fabco Procedure 465-0284 for this configuration.