

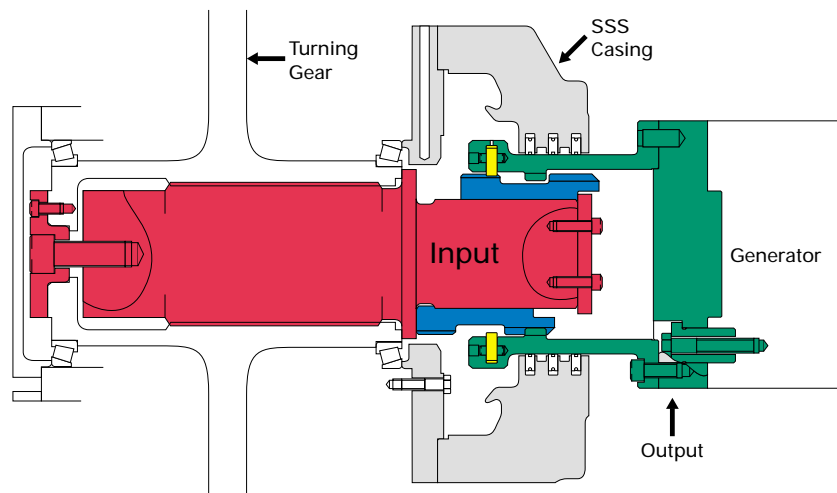
Size 55T SSS Clutch for Gas Turbine Generator Turning Gear

All GE Frame 7000B and early GE Frame 7000EA gas turbines incorporated a Jaw Clutch to engage the Tombstone Turning Gear to their generator.

The SSS Clutch shown in the illustration is interchangeable with the Jaw Clutch. It will automatically engage at the instant the Turning Gear speed tries to overtake that of the generator whether the generator is rotating or stationary. It will also automatically disengage at the instant the generator speed is increased relative to the speed of the turning gear.

Incorporating an SSS Clutch between the Tombstone Turning Gear and the generator offers the following benefits:

- Automatic Operation—Does not require a servo control system with air or hydraulic cylinders as used by the existing Jaw Clutch.
- Simplified Controls—Turning Gear Start is not dependant on a clutch engaged signal, and SSS clutch can engage the decelerating generator shaft.
- Improved Reliability—SSS Clutch inherent dependability reduces downtime and maintenance.
- Axial Expansion Capability of 1 inch



The SSS Clutch input is manufactured to suit the Turning Gear output and the clutch output is manufactured to suit the generator shaft. The clutch is surrounded by an aluminum casing which is overhung from an adaptor plate attached to the Tombstone Turning gear housing.

The SSS Clutch requires the following services:

- A low pressure oil supply to the clutch casing
- An oil drain pipe from the clutch casing to the oil drain system

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