

BRAKE NUMBER 75125 SERVICE NOTES SHEET 1 OF 1 ECO: 31588 REV:

THE MULTI-DISC BRAKE IS A SPRING-APPLIED, HYDRAULICALLY RELEASED BRAKE. HYDRAULIC PRESSURE IS REQUIRED TO RELEASE OR "HOLD OFF" THE BRAKE. NORMAL OPERATION IS TO HAVE THE BRAKE PRESSURIZED IN THE RELEASED POSITION WITH THE VEHICLE HYDRAULIC SYSTEM RUNNING. ANY FUNCTION WHICH REDUCES THE HYDRAULIC SYSTEM BELOW THE RELEASE PRESSURE OF THE BRAKE WILL CAUSE THE BRAKE TO BE APPLIED.

CAUTION:

FOR CORRECT OPERATION, HYDRAULIC PRESSURE TO THE BRAKE MUST FALL TO ZERO PSI. ANY RESIDUAL BACK PRESSURE APPLIED TO THE BRAKE WILL DEGRADE FUNCTION AND MAY RESULT IN HAZARDOUS CONDITION.

INSTALLATION INFORMATION:

- ASSEMBLE BRAKE BETWEEN MOTOR AND GEARBOX. PLACE MOUNTING GASKETS/O-RINGS ON THE MOUNTING FACES BEFORE ASSEMBLY.
 - IF NEEDED, BRAKE SHAFT/DISCS CAN BE ROTATED BY APPLYING HYDRAULIC PRESSURE TO THE PISTON INLET PORT.
- 2. INSERT FOUR 1/2" DIA. BOLTS (GRADE 5) THROUGH THE MOTOR FLANGE, THE BRAKE, AND INTO THE THREADED HOLES IN THE GEAR REDUCER. MAKE SURE THAT THE BOLTS ARE NOT TOO LONG, SO THEY DO NOT BOTTOM OUT IN THE THREADED HOLES OF
- 3. TO PREVENT BINDING, RUN THE BOLTS IN ALTERNATELY UNTIL SNUG. TORQUE BOLTS TO 80-90 FT-LBS [108-122 Nm].
- WITH MOTOR AND BRAKE BOLTED TOGETHER INTO POSITION, CONNECT INLET HYDRAULIC LINE. BRAKE INLET IS 1/4" LINE STRAIGHT THREAD O-RING BOSS (7/16-20 UNF).

BRAKE DISASSEMBLY INFORMATION:

- DISASSEMBLE IN THE FOLLOWING ORDER: BOLTS (ALTERNATELY), POWER PLATE, STATIONARY DISCS, ROTATING DISCS, PRIMARY DISC, TORQUE PINS, COMPRESSION SPRINGS, AND SPRING RETAINER.
- 2. FURTHER DISASSEMBLY IS NOT RECOMMENDED AND SHOULD NOT BE ATTEMPTED UNLESS NECESSARY TO REPLACE THE BEARING, THE SEAL, OR THE SHAFT.
 - **NOTE:** IF THE BEARING OR SEAL ARE REMOVED FOR ANY REASON, BOTH MUST BE REPLACED.
 - 2a. REMOVE SNAP RINGS AS NEEDED.
 - 2b. SEAL CAN BE REMOVED BY PRYING IT OUT WITH AN APPROPRIATE TOOL. TAKE CARE NOT TO DAMMAGE THE BORE.
 2c. SHAFT CAN BE REMOVED BY PRESSING IT OUT WITH A SHOP PRESS
- 3. REMOVE THE PISTON FROM THE POWER PLATE BY INTRODUCING LOW PRESSURE AIR (15 psi [1 BAR]) INTO THE HYDRAULIC INLET. MAKE SURE THE PISTON IS DIRECTED AWAY FROM THE OPERATOR. DO NOT REMOVE O-RINGS AND BACKUP RINGS FROM THE O.D. AND I.D. GROOVES OF THE PISTON UNLESS REPLACEMENT IS NECESSARY, BECAUSE THEY WILL BE DAMAGED.

ASSEMBLY INFORMATION:

IMPORTANT: THERE MAY BE MORE PARTS IN A SERVICE KIT THAN YOUR BRAKE REQUIRES. CHECK THE PARTS LIST CAREFULLY FOR THE EXACT QUANTITY. SPACE THE SPRINGS AS SHOWN ON THE SPRING ORIENTATION VIEW.

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USE THE REVERSE OF THE DISASSEMBLY PROCEDURE WITH THE FOLLOWING NOTES AND ADDITIONS:

- WORN AND DAMAGED O-RINGS AND BACKUP RINGS MUST BE REPLACED PRIOR TO RE-ASSEMBLY.
- LUBRICATE THE PISTON BORE OF THE POWER PLATE, THE PISTON, AND THE O-RINGS WITH SYSTEM HYDRAULIC FLUID PRIOR TO RE-ASSEMBLY.
- 3. PISTON ASSEMBLY:

ASSEMBLE PISTON INTO POWER PLATE USING A SHOP PRESS. TAKE CARE NOT TO DAMAGE THE O-RINGS OR TEFLON BACKUP RINGS. VISUALLY ALIGN THE CENTER OF THE CUTOUTS IN THE PISTON WITH THE TORQUE PIN HOLES IN THE POWER PLATE.

CAUTION: THE DEPTH THE PISTON IS INSTALLED INTO THE POWER PLATE IS CRITICAL. THE SURFACE OF THE PISTON AT THE CUTOUTS MUST BE FLUSH TO 0.120 [3,05 mm] BELOW THE SURFACE OF THE POWER PLATE, OR PISTON MAY COCK RESULTING IN A COMPLETE LOSS OF BRAKING.

- 4. BEARING ASSEMBLY:
 - USE A SHOP PRESS TO PRESS THE BEARING ONTO THE SHAFT. PRESS ONLY ON THE INNER RACE OF THE BEARING. BEARING IS SLIP FIT TO THE HOUSING.
- LIP SEAL ASSEMBLY:
 LIP OF THE SEAL MUST FACE AWAY FROM THE BEARING. SEE
 CUTAWAY VIEW FOR SEAL ORIENTATION DEATIL.
- 6. ROTATING, STATIONARY, AND PRIMARY DISC ASSEMBLY:
 ROTATING DISCS MUST BE CLEAN & DRY. THE LINING MATERIAL AND
 MATING SURFACES OF THE STATIONARY DISCS MUST BE
 THOROUGHLY CLEAN AND FREE FROM DEBRIS. WORN OR SCARRED
 ROTATING DISC(S) MUST BE REPLACED.
- INSTALL BOLTS IN THE POWER PLATE. TIGHTEN SEQUENTIALLY ONE TURN AT A TIME UNTIL POWER PLATE IS PROPERLY SEATED. TORQUE BOLTS TO 80-90 FT-LBS [108-122 Nm].

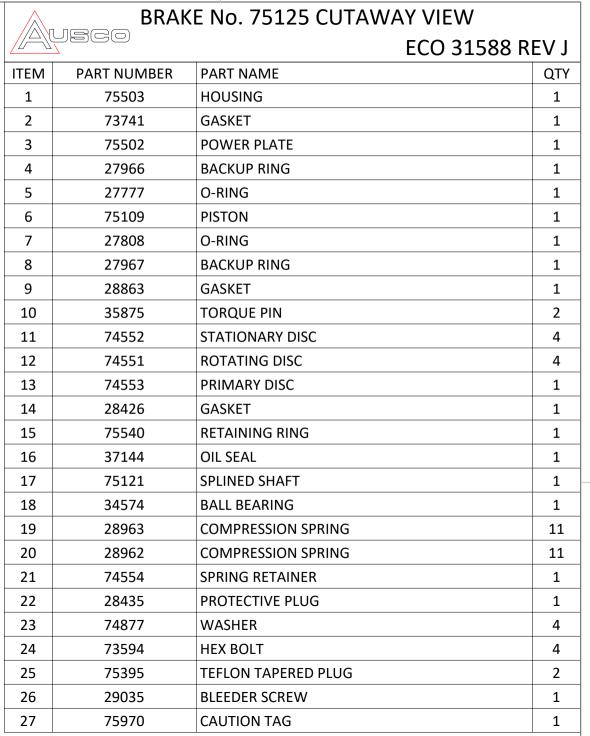
OIL FILL PROCEDURE:

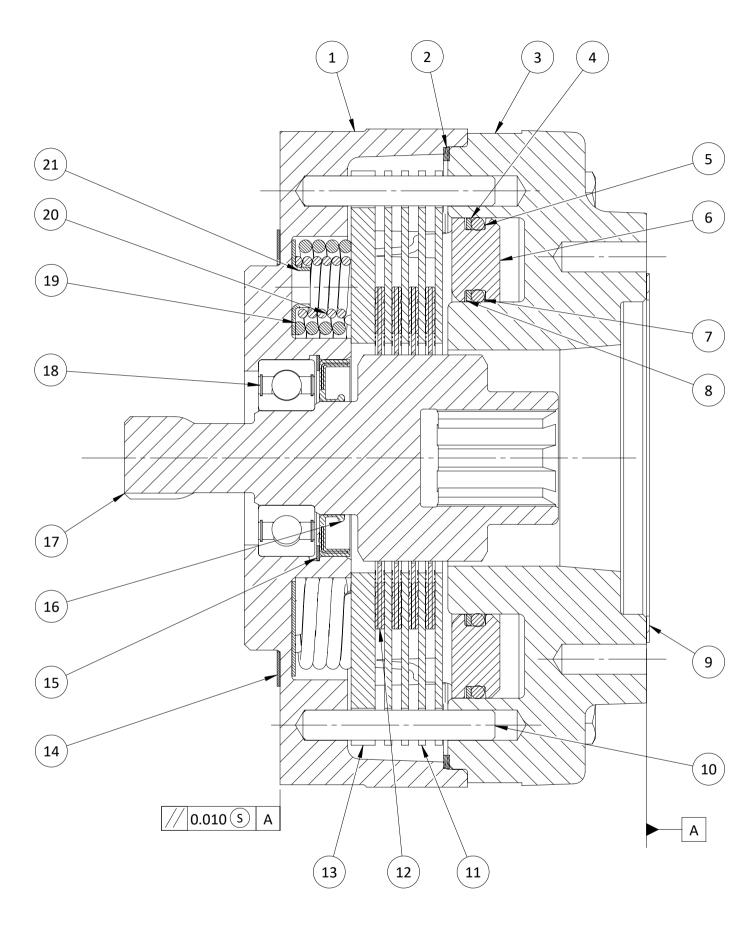
UNSCREW THE TOP OF THE OIL FILL PLUG AND ADD DTE-26 OIL TO THE APPROPRIATE LEVEL.

SERVICE KIT INFORMATON

BEARING KIT	PK-1320	INCLUDES: SEALS, RETAINING RINGS, AND BEARINGS.
STACK KIT	PK-1323	INCLUDES: COMPRESSION SPRINGS, STATIONARY DISCS, ROTATING DISCS, PRIMARY DISCS, AND TORQUE PINS.
O-RING KIT	PK-1324	INCLUDES: O-RING, BACKUP RINGS, AND INTERNAL GASKET.
GASKET KIT	PK-1356	INCLUDES: EXTERIOR GASKET(S)

REF: GENERAL ASSEMBLY VIEW 8001





SECTION A-A

