

ADVANCE ADAPTERS, INC.

4320 Aerotech Center Way, Paso Robles, CA 93446

INSTRUCTION SHEET

Page Rev. Date: **05-15-08**

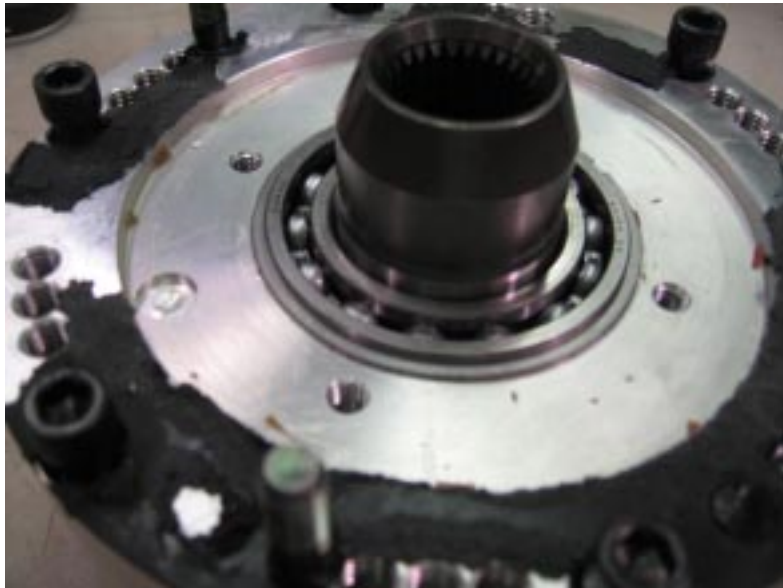
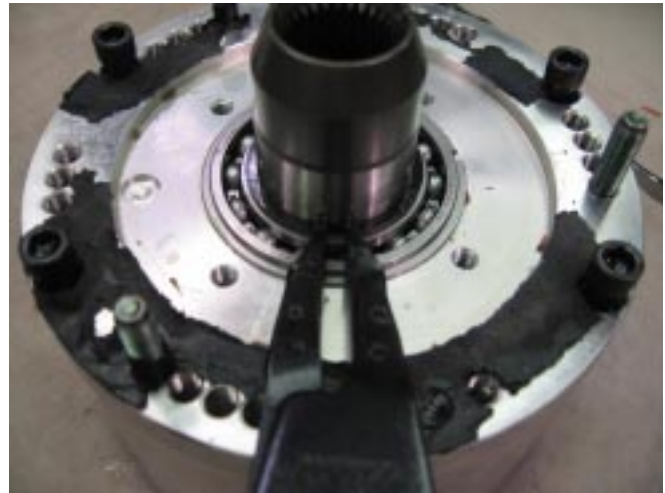
ATLAS 4 SPEED INPUT CHANGE

1. REMOVE THE SIX SOCKET HEAD BOLTS SECURING PLANETARY HOUSING TO CASE.

2. USING A PLASTIC Mallet, STRIKE MAIN CASE WHILE HOLDING THE FRONT INPUT. THE HOUSING IS DOWELED TO THE MAIN CASE AND IS SNUG FIT.

NOTE: UPON REASSEMBLY, USE LOCTITE 518 TO SEAL PLANETARY HOUSING TO MAIN CASE. DO NOT USE RTV SILICONE.

WHEN CHANGING TO A 31 SPLINE INPUT, A DIFFERENT PLANETARY HOUSING AND SEAL RETAINER IS REQUIRED.



3. REMOVE THE FOUR SOCKET HEAD BOLTS SECURING INPUT SEAL RETAINER FROM PLANETARY HOUSING AND REMOVE SEAL RETAINER.

4. REMOVE SNAP-RING FROM INPUT SHAFT. THIS SNAP-RING SECURES THE ENTIRE INPUT SHAFT / 6 GEAR PLANETARY ASSEMBLY INTO PLANETARY HOUSING. SEE TOP PHOTO

5. TAP THE INPUT SHAFT WITH PLASTIC HAMMER TO REMOVE INPUT SHAFT / 6 GEAR PLANETARY ASSEMBLY FROM PLANETARY HOUSING. SEE PHOTO TO LEFT

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6. REMOVE SNAP-RING FROM THE PLANETARY ASSEMBLY. THIS SNAP RING SECURES THE INPUT SHAFT INTO SIX GEAR PLANETARY ASSEMBLY.

7. INPUT SHAFT CAN NOW BE REMOVED FROM 6 GEAR PLANETARY ASSEMBLY.

NOTE: MAKE NOTE OF THE ORIENTATION OF THE LOCK RING & COMPOSITE WASHER'S. THERE IS A TOTAL OF ONE LOCK RING AND TWO FIBER WASHER'S.



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8. REMOVE LOCK RING & COMPOSITE WASHER FROM INPUT AND THE COMPOSITE WASHER IN THE INTERIOR OF THE 6 GEAR PLANET ASSEMBLY MAY REMAIN IN IT'S ORIGINAL POSITION.

9. TRANSFER COMPOSITE WASHER AND LOCK RING TO NEW INPUT SHAFT. INSTALL INPUT SHAFT INTO 6 GEAR PLANET ASSEMBLY.

NOTE: VERIFY THAT A FIBER WASHER IS INSTALLED FIRST PRIOR TO INPUT SHAFT

10. ASSEMBLY IS IN REVERSE ORDER.

NOTE: PRIOR TO REINSTALLING THE ATLAS 4 SPEED INTO VEHICLE, ADD 2-1/2 QUARTS OF THE RECOMMENDED OIL WHILE THE ATLAS IS STILL ON THE WORK BENCH TIP ATLAS 4 SPEED ONTO THE INPUT SHAFT SO THAT THE REAR YOKE POINTS STRAIGHT UP. THIS PROVIDES OIL INTO THE PLANETARY HOUSING BEFORE THE UNIT IS OPERATED.

