

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE B: 0.00
CUSTOMER PAY DEDUCTIBLE FOR LINE B 50.00

DRIVETRAIN MALFUNCTION VERIFIED CUSTOMER CONCERN. FOUND VEHICLE TO HAVE DRIVE TRAIN MALFUNCTION DISPLAYED. CONNECTED BATTERY CHARGER. CONNECTED BMW DIAGNOSIS SYSTEM. PERFORMED VEHICLE TEST. FOUND FAULT 108B39 SET FOR CHARGE AIR TOO HIGH. PERFORMED INSPECTION OF LOW TEMP EXPANSION TANK AND FOUND IT TO BE EMPTY. FOUND LEAKED COOLANT AROUND LOW TEMP EXPANSION TANK. FILLED TANK AND ACTIVATED PUMP USING TEST PLAN. FOUND COOLANT TO BE DISCOLORED AND TO HAVE ACRID SMELL. STARTED TSARA CASE ID 1872621. UPDATED CASE WITH ALL FINDINGS. PER TSARA NECESSARY TO PERFORMED SERVICE BULLETIN 17 06 17. REMOVED AND REPLACED BOTH RIGHT AND LEFT CHARGE AIR COOLERS. REMOVED AND REPLACED LOW TEMP COOLER. REMOVED AND REPLACED RIGHT AUXILIARY COOLER. PERFORMED VACUUMING FILLING OF LOW TEMP SYSTEM USING UPDATED COOLANT. PER BULLETIN PERFORMED 1 HOUR TEST DRIVE THEN LET ENGINE IDLE FOR 1 HOUR. PER BULLETIN ALLOW DRAINED LOW TEMP COOLING SYSTEM AND THEN REFILLED WITH NEW UPDATED COOLANT. PERFORMED TEST DRIVE. RECHECKED VEHICLE FOR LEAKS AND FAULTS. NONE FOUND AT THIS TIME. VEHICLE OPERATING AS INTENDED.

B *****		0.00 TOTAL LINE A:		0.00
VEHICLE WAS UNDER ACCELERATION				
CAUSE: DRIVETRAIN MALFUNCTION				
0058677 PUMA ADMIN PAYMENT				
645 WCPO				
1711516 Removing and installing replacing right auxiliary radiator				(N/C)
645 WCPO				
1751005 REPLACE BOTH AIR COOLERS				(N/C)
645 WCPO				
1711576 Remove and install replace low temperature cooler (Coolant drained)				(N/C)
645 WCPO				
1199000 11FRU TEST DRIVE AND IDLE				(N/C)
645 WCPO				
0050000 19 FRU 2ND DRAIN AND REFILL/1700580				
PROCEDURE				
645 WCPO				(N/C)
0000556 PERFORM VEHICLE CHECK				(N/C)
645 WCPO				
6121528 CHARGER				(N/C)
645 WCPO				
1 17-51-7-852-406 CHARGE-AIR COOLER:175010				(N/C)
1 17-51-7-852-407 CHARGE-AIR COOLER:175010				(N/C)
1 17-11-8-043-655 RADIATOR:171010				(N/C)
1 17-11-8-620-207 REMOTE RADIATOR:171010				(N/C)
1 83-19-2-468-442 BMW ANTIFREEZE/COOLANT (1				(N/C)
GA:832540				
FC: 17510176PP				
PHONES	STATEMENT OF DISCLAIMER	DESCRIPTION	TOTALS	