



Technical Service Information

THM 440-T4

HARSH 3-2 DOWNSHIFT AND/OR 4-2 DOWNSHIFT

COMPLAINT: A harsh 3-2 and/or 4-2 forced downshift condition at either full and/or part throttle, may occur at high altitude (Above 4000 Feet) or at low altitude (Below 4000 Feet).

CAUSE: Original calibrations may need to be updated with a service 3-2 control valve spring per customer's requirements.

CORRECTION: Replace the 3-2 control valve spring with the appropriate service part number as it is model sensitive. Part numbers are as follows:

SERVICE INFORMATION:

HARSH 3-2 SHIFT - HIGH ALTITUDE ONLY.

2WWH	8646979
2YBH, 2YCH, 2YKH	8646980
2WFH	8646982
1WWH, 1WSH, 1WXH, 1PAH	8646979
1YDH, 1CHH, 1YHH, 1CJH, 1YSH, 1CAH, 1YTH, 1CBH	8646980
1WMH, 1BHH	8646981
1WFH, 1BDH, 1BAH, 1WDH, 1WJH, 1BJH, 1WPH, 1BWH	8646982
OPAH, OWXH	8646979
OAAH, OKCH, OABH, OKDH, OAFH, OKPH, OANH, OKRH, OATH, OKLH, OBFH, OWHH, i	8646980
OBHH, OWMH	8646981
OBAH, OWDH, OBDH, OWFH, OBWH, OWPH, OBJH, OWJH, OCJH, OCHH	8646982
OLMH, OYSH, OLNH, OYTH, OYKH, OYDH, OYLH, OYHH	8646993
OAJH, OKHH, OBPH, OWNH	8662932
9AAH, 9ABH, 9AFH, 9ANH, 9ATH, 9AJH	8646953
9BPH, 9WRH	8646980
9BHH, 9PAH, 9WBH, 9WCH	8646981
9BAH, 9BDH, 9BJH, 9BWH, 9YCH, 9YAH, 9YBH, 9YJH, 9YFH	8646982
9BFH, 9BMH, 9WUH, 9WZH, 9VYH	8646993
9CDH, 9CLH, 9CPH, 9CYH, 9CZH	8646994
9PBH, 9BWLH, 9WKH	8662932
9ACH, 9ADH, 9AHH	8675936



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HARSH 3-2 SHIFT - HIGH ALTITUDE ONLY.

8FCH	8646979
8BKH, 8FBH	8646982
8BJH, 8BRH, 8BTH, 8BYH, 8FJH	8646993
7FCH, 7FZH	8646979
7FBH, 7FKH	8646982
7FJH, 7FNH, 7FRH, 7FTH	8646993
6BCH, GBDH, GBMH, GBZH, GFCH, 6FZH	8646979
6BAH,	8646980
GACH, 6AWH	8646981
f5m, GAMH, GAFH, GAPH, GASH, 6AYH, GBBH, GBHH, 6FBH	8646982
GCMH, GCNH, 6CFH	8646983
GBLH, 6BTH, 6BYH	8646992
GFTH, 6FYH	8646993
5BX	8646979
5AC, 5AY, 5BW	8646981
5AM	8646982
5CM, 5CN	8646983
5BR, 5CP, 5CW	8646993
5BV	8646994

HARSH 3-2 SHIFT - LOW ALTITUDE ONLY

2YBH, 2YCH, 2YKH	8646979
2WFH	8646993
2WwH	8662907
IYDH, ICHH, IYHH, ICJH, IYSH, ICAH, IYTH, 1CBH	8646979
IWMH, 1BHH	8646980
IWFH, IBDH, IWDH, IBAH, IWJH, IBJH, IWPH, 1BWH	8646993
IWWH, IWSH, IBZH, IWXH, 1PAH	8662907
OYKH, OYDH, OYLH, OYHH, OBFH, OWHH	8646979
OWMH, OAAH, OKCH, OABH, OKDH, OAFH, OKPH, OANH, OKRH, OATH, OKLH, OBHH,	8646980
OCHH, OCJH	8646981
OBAH, OBDH, OBWH, OBJH, OWDH, OWFH, OWPH, OWJH	8646993
OPAH, OWXH	8662907
OAJH, OKHH	8662932
OBPH, OWNH	8675962
OLMH, OLNH, OYSH, OYTH	8675963

Figure 1



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HARSH 3-2 SHIFT - LOW ALTITUDE ONLY

9AAH, 9ABH, 9AFH, 9AJH,	
9ANH, 9ATH, 9WTH	8646953
9BFH, 9BMH, 9WUH, 9WZH, 9VYH	8646980
9BAH, 9BDH, 9BJH, 9BWH, 9YAH,	
9YBH, 9YJH, 9YFH, 9YCH	8646981
9BCH, 9BHH, 9PAH, 9WBH	8646993
9BPH, 9WR.H	8662932
9ACH, 9ADH, 9AHH	8675936
8FJH, 8BJH, 8BTH, 8BYH	8646979
8BRH	8646980
8FBH, 8BKH	8646993
8FCH	8662932
7FJH, 7FNH, 7FRH, 7FTH	8646979
7FBH, 7FKH	8646993
7FCH, 7FZH	8662932
6BAH, GBLH, GBTH, GBYH,	
GFTH, 6FYH	8646979
6BBH	8646981
6BHH	8646982
6FBH	8646993
GCNH, 6CMH, 6CFH	8646994
GBCH, GBDH, GBMH, 6BZH	8662907
6CFH, 6FZH	8662932

Figure 1