

g 3.4.15



ROADSTER 2014 1330 Oil Leak At Clutch Cover Oil Pressure Sensor Threads (SE6\_000085385\_TST61Y014S01\_en)

translations

Printable Version

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| 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000

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**Summary:**  
A possible source of an oil leak on the 1330 engine is from the clutch cover oil pressure sensor threads. This TST will explain the repair procedure.

**Type:**  
**Details:**

**TST Detail:**

**Problem:**

A possible source of an oil leak on the 1330 engine is from the clutch cover oil pressure sensor threads.

**Solution:**

If oil is leaking from the threads follow this repair procedure. Clean and apply Loctite 243 (blue) to the threads of the sensor.

**Repair Procedure:**

This is the location of the clutch cover oil pressure sensor.



1. To access the clutch cover oil pressure sensor, remove the following body parts.

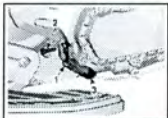


1. Rear side cover
2. Front outer side cover



1. Front wheel support assembly

2. Disconnect and remove the oil pressure sensor (OPS) by removing the retaining screws.



1. OPS
2. OPS retaining screws
3. OPS connector

3. Place a drain pan to catch the small amount of oil coming from clutch cover.
4. Remove the oil pressure sensor.
5. Clean and dry the oil circuit and oil pressure sensor threads.
  - 5.1 Spray XPS BRAKES AND PARTS CLEANER (PN: 219 701 775) or an equivalent through OPS hole.
  - 5.2 Dry using compressed air (blow air through OPS housing hole).
  - 5.3 Repeat until oil and taper present on housing threads.
6. Apply LOCTITE 7649 (PRIMER) (PN: 293 800 041) on the threads of the oil pressure sensor.

It is recommended to apply LOCTITE 7649 (PRIMER) (PN: 293 800 041) on threads before the application of the LOCTITE 243 (BLUE) (PN: 293 800 060). This will allow the installation of the OPS housing on the clutch cover sooner rather than wait for the LOCTITE 243 to cure for 30 minutes.

The reliability of the repair is directly related to the adherence of the LOCTITE 243.

- 6.1 Apply LOCTITE 7649 (PRIMER) (PN: 293 800 041) on oil pressure sensor housing threads.
- 6.2 Allow LOCTITE 7649 (PRIMER) (PN: 293 800 041) to dry for 60 seconds.
7. Apply LOCTITE 243 (BLUE) (PN: 293 800 060) on oil pressure sensor threads.
  - 7.1 Apply enough threadlocker production on oil pressure sensor threads to cover the entire threaded area.

8. Install the oil pressure sensor in the oil pressure sensor housing.

- 8.1 Install oil pressure sensor within 60 seconds of application of threadlocker.
- 8.2 Oil pressure sensor tightening torque - 14 ± 1 Nm (124 ± 9 lbf-in).

Allow threadlocker to cure for 5 minutes minimum before attempting to start the engine.

9. Install the oil pressure sensor housing on the clutch cover.
  - 9.1 Oil pressure sensor retaining screws tightening torque - 11 ± 1 Nm (97 ± 8 lbf-in).
10. After threadlocker cure time (5 minutes minimum), confirm oil leak is not present.
  - 10.1 Start engine.
  - 10.2 With parking brake applied, press brake pedal and shift transmission in 1<sup>st</sup> gear.
  - 10.3 Ask someone to inspect wet screw areas for oil leak.
11. Reassemble the vehicle by reversing the disassembly order.

**Warranty:**

Regular warranty applies.  
Use System 05 Job 177 which covers 0 hrs labor.

**Attachment:**

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