



Question 6 worksheet

a. Search criteria used when identifying warranty claims:

- a. Function Groups: 271,374,411,412, 413, 432
- b. Model CHU, CHX
- c. Model Yr 2013-2016
- d. Key word search in complaint : push through, push threw, push thru, disengage, walk through, walk thru, walk threw, push

b. Provide a list of all labor operations, labor operation descriptions, problem codes and problem code descriptions applicable to the alleged defect in the subject vehicles.

Labor Codes:

Labor operation numbers

2166-03-03-01 FLYWHEEL, REPLACEMENT. TRANSMISSION AND CLUTCH REMOVED
2634-03-02-16 SOLENOID VALVE, CONTROL VALVE, REPLACEMENT
4000-07-03-02 GEARBOX, CALIBRATION
4000-07-04-01 GEARBOX, CALIBRATION. GEARBOX REMOVED
4111-03-02-02 CLUTCH, REPLACEMENT
4111-03-99-99 REPLACE CLUTCH
4134-03-03-01 CLUTCH CYLINDER, REPLACE. GEARBOX REMOVED
4135-03-05-01 SUPPLY HOSE, CLUTCH CYLINDER, REPLACE. GEARBOX REMOVED
4319-03-02-03 TRANSMISSION ECU, REPLACEMENT
4323-22-03-01 PROGRAM TRANSMISSION ECU (MID 130)
4329-03-04-04 CONTROL HOUSING, REPLACEMENT
4379-03-04-05 WIRING HARNESS, OUTSIDE TRANSMISSION, REPLACEMENT



Problem Codes:

FAILURE CODE P105594 FOR BRAKE SWITCH STATUS
INACTIVE MID 130 PPID 50 FMI 0 FOR CLUTCH LOAD
(TECU) P105229: CLUTCH CYLINDER POSITION, SIGNAL INVALID ACTIVE 3 2/22/2012 11:30:10 AM N/A NO
(TECU) P106618: CLUTCH FAST DISENGAGEMENT VALVE (VAFD), CIRCUIT CURRENT BELOW THRESHOLD ACTIVE 1 N/A N/A NO
(TECU) P106518: CLUTCH SLOW ENGAGEMENT VALVE (VASE), CIRCUIT CURRENT BELOW THRESHOLD ACTIVE 1 N/A N/A NO
(TECU) P107538: CLUTCH SYSTEM, SIGNAL FREQUENCY INCORRECT ACTIVE 14 1/6/2012 1:50:17 AM 2/22/2012 12:02:17 PM NO
(TECU) P106418: CLUTCH FAST ENGAGEMENT VALVE (VAFE), CIRCUIT CURRENT BELOW THRESHOLD ACTIVE 1 N/A N/A NO
(TECU) P107694: GEARBOX BRAKE (COUNTERSHAFT BRAKE / INPUT SHAFT BRAKE), UNEXPECTED OPERATION ACTIVE 1 2/22/2012 12:10:13 PM 2/22/2012 12:10:13 PM NO
(TECU) P107575: CLUTCH SYSTEM, EMERGENCY POSITION NOT REACHABLE INACTIVE 2 2/13/2012 3:57:02 AM 2/18/2012 1:46:02 AM NO
(TECU) P106E18: PTO 1 ENGAGEMENT VALVE (VAP1), CIRCUIT CURRENT BELOW THRESHOLD ACTIVE 1 N/A N/A NO
TRANSMISSION DTC, U300046, ELECTRONIC CONTROL MEMORY, CALIBRATION/PARAMETER MEMORY FAILURE AND P060100, INTERNAL CONTROL UNIT MEMORY CHECKSUM ERROR

- c. *State, by make and model year, the terms of the new vehicle warranty coverage offered by Volvo on the subject vehicles (i.e., the number of months and mileage for which coverage is provided and the vehicle systems that are covered).*

Response: standard warranty and extended protection plan coverage matrix file and protection folder provided in the Q6 folder.



d. Describe any extended warranty coverage option(s) that Volvo offered for the subject vehicles and state by option, model, and model year, the number of vehicles that are covered under each such extended warranty.

Count of VIN	Co				
Row Labels	2013	2014	2015	2016	Grand Total
CHU	10	12	41	86	149
AMT TRANSMISSION HD: 60 MO/700,000 MI - VEH WARRANTY CLAIM JOB (DC28)		1			1
AMT TRANSMISSION: 48 MO/500,000 MI - VEH WARRANTY CLAIM JOB (DC28)			1	6	7
AMT TRANSMISSION: 60 MO/250,000 MI - VEH WARRANTY CLAIM JOB (DC28)				1	1
AMT TRANSMISSION: 60 MO/500,000 MI - VEH WARRANTY CLAIM JOB (DC28)			4	32	36
AMT TRANSMISSION: 72 MO/750,000 MI - VEH WARRANTY CLAIM JOB (DC28)				4	4
CLUTCH ONLY: 48 MONTHS/500K MILES - VEH WARRANTY CLAIM JOB (DC28)			2		2
CLUTCH ONLY: 60 MONTHS/500,000 MILES - VEH WARRANTY CLAIM JOB (DC28)		1	3	29	33
TRANSMISSION (READ ATTACHMENT): 48 MONTHS/500,000 MILES - VEHICLE WARRANTY CLAIM JOB (DC28)		2	14	3	19
TRANSMISSION (READ ATTACHMENT): 60 MONTHS - VEHICLE WARRANTY CLAIM JOB (DC28)	9	7	1		17
TRANSMISSION (READ ATTACHMENT): 60 MONTHS/500,000 MILES - VEHICLE WARRANTY CLAIM JOB (DC28)	1	1	16	11	29
CXU	78	82	322	306	788
AMT TRANSMISSION: 48 MO/500,000 MI - VEH WARRANTY CLAIM JOB (DC28)			5	11	16
AMT TRANSMISSION: 60 MO/500,000 MI - VEH WARRANTY CLAIM JOB (DC28)			15	51	66
AMT TRANSMISSION: 60 MO/750,000 MI - VEH WARRANTY CLAIM JOB (DC28)			1		1
AMT TRANSMISSION: 72 MO/750,000 MI - VEH WARRANTY CLAIM JOB (DC28)			2	4	6
AMT TRANSMISSION: 84 MO/750,000 MI - VEH WARRANTY CLAIM JOB (DC28)				5	5
CLUTCH ONLY: 48 MONTHS/400K MILES - VEH WARRANTY CLAIM JOB (DC28)				1	1
CLUTCH ONLY: 60 MONTHS/500,000 MILES - VEH WARRANTY CLAIM JOB (DC28)	1		9	37	47
CLUTCH ONLY: 60 MONTHS/750,000 MILES - VEH WARRANTY CLAIM JOB (DC28)				1	1
MACK PEDIGREE (EMBRAGUE): 36 MESES/402500 KM - RECLAMO DE TRABAJO DE GARANTÍA DE VEHÍCULO (DC28)		3	133	156	292
TRANSMISSION (READ ATTACHMENT): 48 MONTHS - VEHICLE WARRANTY CLAIM JOB (DC28)	10	11			21
TRANSMISSION (READ ATTACHMENT): 48 MONTHS/500,000 MILES - VEHICLE WARRANTY CLAIM JOB (DC28)		1	16	3	20
TRANSMISSION (READ ATTACHMENT): 60 MONTHS - VEHICLE WARRANTY CLAIM JOB (DC28)	67	66	25		158
TRANSMISSION (READ ATTACHMENT): 60 MONTHS/500,000 MILES - VEHICLE WARRANTY CLAIM JOB (DC28)		1	116	37	154
Grand Total	88	94	363	392	937