

RAC

Team Number - 4

PROJECT TITLE : Warranty Data Portal

TEAM MEMBERS :

- *ANUSH BHARATHWAJ L*
- *DHATCHANA H*
- *BALAMURUGAN B*
- *HIRTHICK RAJ M*
- *DHINAKARAN D G S*
- *ABISHEK V*

PROJECT OBJECTIVE:

- A warranty data portal's main goal is to give businesses a centralized location to manage warranty claims and related information.
- This may entail monitoring and examining warranty claims, discovering frequent problems or product flaws, and enhancing product quality and client satisfaction.
- By expediting warranty procedures and lowering warranty-related costs, the portal can also assist businesses in identifying possible cost reductions.

TOOLS USED:

- ***ANCONDA JUPTER NOTEBOOK***
- ***TABLEAU***
- ***EXCEL***
- ***POWERBI***

DATASET:

Claim No	ASC Name	ASC ID	Customer/Vehicle Make	Zone	Town	Product family	Part Number	Description	also	wabco	Quantit y	Chaine No	ENG No	
WLNIIRC	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Air Dryer	4611000770	Air Dryer	LA050721	WNC-124	1	MAT78257M5G08816	81FYX02456	
WLIA1TSS5	HERITAGE AUTO EXPERTS	450490	Tata Motors Limited -TML	West	Pune	Dual Brake Valve	4611000080	Dual Brake Valve with Spout	1A191020	WNC-124	1	MAT79621M4T02042	SLNGDQCR14YX02050	
WLINQACH	VIKASH AIR PRESSURE	450225	Valvo Eicher - VECV	North	Gurgaon	Dual Brake Valve	4611001270	Foot Brake Valve	1B020921	WNC-124	1	MC2ESLRCOM1195790	E42CCOLJ0084	
WLE4KZVN	VIKASH AIR PRESSURE	450225	Valvo Eicher - VECV	North	Gurgaon	Dual Brake Valve	4611001270	Foot Brake Valve	1A02032	Select	1	E42CCOLJ0084		
WLYN23A	Anind Motors Pvt Ltd	451055	Tata Motors Limited -TML	South	Dakshina Kannada	Dual Brake Valve	4611000770	Dual Brake Valve	1A02032	Select	1	MAT785004M7C07468	33LNGDQCRVX05894	
WLID2ZHYT	SPECTRA VIJAYAWADA	450455	Tata Motors Limited -TML	South	Krishna	Clutch Servo	9700516530	Clutch Servo	1	WNC-124	1	MAT82006M1C06805	867B6A2SD0212C0614	
WLICDPGP6	KRISHNA AUTO ELECTRIC	451046	Tata Motors Limited -TML	West	Ahmedabad	Solenoid Modulator Valve - 24V	4721951360	Modulator Valve	JB110921	WNC-124	1	MAT828021M3J21217	78A2SD020211H641660	
WLMP3MY2	KRISHNA AUTO ELECTRIC	451046	Tata Motors Limited -TML	West	Ahmedabad	Solenoid Modulator Valve - 24V	4721951360	Modulator Valve	JB110921	WNC-124	1	MAT828021M3J21217	78A2SD020211H641660	
WLUPJ27N	KRISHNA AUTO ELECTRIC	451046	Tata Motors Limited -TML	West	Ahmedabad	Relay Valve	973280990	RO2	1A210720	WNC-124	1	MAT77106LAP0226	M22C03016	
WL7LYVEY	HINDUSTAN DIESEL	450973	Ashok Leyland	West	Kachchh	Dual Brake Valve	461101110	Foot Brake Valve	1A28020	WNC-380	1	MB17006DXPL7754	LAP7206657	
WLUBBE61	Raju Motors Works	450132	Tata Motors Limited -TML	North	Yamuna Nagar	Clutch Servo	9700516530	Clutch Servo	450132	WNC-124	1	MAT838024M3C2907	10212K16473	
WLTP6P87	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Compressor	9129700040	160 cc Compressor	J0130 0122	WNC-124	1	MAT815303N5C05710	66BXC804059	
WLMP9YNE1	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Compressor	9129700040	160 cc Compressor	J0121 0122	WNC-124	1	MAT815303N5C05710	66BXC804059	
WLQ2XKX0	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Compressor	9129700040	160 cc Compressor	J0786 0221	WNC-124	1	MAT810023M8B03819	78BX087567	
WL7LUC4Q	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Compressor	9129700040	160 cc Compressor	J0312 0222	WNC-124	1	MAT810023M8B03819	78CX088176	
WLMBHAU8	Chopra Sales & Service	450250	Tata Motors Limited -MTBO	North	North West Delhi	Compressor	9129700040	160 cc Compressor	J1231 0222	WNC-124	1	MAT810023M8B04940	78BXC804647	
WL918WV7	Bataj Motors	450586	Mahindra Trucks & Buses - MTBO	West	Bharuch	Dual Brake Valve	100601450	Dual Brake Valve (Voss)	1A113100	WNC-124	1	MA1PHARPLK711712	PBLK21510	
WLSHJQJ2	KRISHNA AUTO ELECTRIC	451046	Valvo Eicher - VECV	West	Ahmedabad	Dual Brake Valve	4611001050	Foot Brake Valve	1A05421	WNC-124	1	MC2EBCRCOM4691818	E416NMC350561	
WL8JF8HE	KRISHNA AUTO ELECTRIC	451046	Valvo Eicher - VECV	West	Ahmedabad	Air Processing and Distribution Assembly - APDA	9325000000	APDA	1A260421	WNC-124	1	MC2EBCRCOM4691818	E416NMC350561	
WLGC2HTV7	Sree Ganga Sales & Service	450330	Tata Motors Limited -TML	North	Agra	Brake Chamber	100850860	Brake Chamber (Ty 24)	2B04021	WNC-124	2	000000000M807703	CMMA4951671	
WLXAF8F9	Sree Ganga Sales & Service	450330	Mahindra Trucks & Buses - MTBO	North	Agra	Brake Chamber	100850860	Brake Chamber (Ty 24)	2B04021-2	WNC-124	2	000000000M807703	CMMA4951671	
WLSWF8T	Sree Ganga Sales & Service	450330	Mahindra Trucks & Buses - MTBO	North	Agra	Dual Brake Valve	461101230	DBV	AJ03021	WNC-124	1	000000000M807703	CMMA4951671	
WLUX04X4	Sree Ganga Sales & Service	450330	Tata Motors Limited -TML	North	Agra	Spring Brake Actuator - SBA	9254910480	Ty 24/24 SBA	0B200721-4	WNC-124	4	MAT828017M2G10884	86766A30D0212G9416	
WLOLH1T9	Sree Ganga Sales & Service	450330	Tata Motors Limited -TML	North	Agra	Spring Brake Actuator - SBA	9254910480	Ty 24/24 SBA	JB010721	WNC-124	1	MAT794002M1G14197	65686A18D0212G6387	
WLESQ9N9	V.L Motors	451095	Valvo Eicher - VECV	East	Nadia	Compressor	9129700390	160 cc comp	13306020	WNC-124	1	MC2EBCRCOM1470551	E44CCLJ004733	
WLX3SY7F	Jayraj Automobiles	451103	Valvo Eicher - VECV	South	Madurai	Spring Brake Actuator - SBA	9254914140	SAB TY 24/24 REPAIR KIT	80621	WNC-124	1	MC2BAGRCOM0572426	E42CCOF4007569P	
WL6A30TH2	Chopra Sales & Service	450250	Valvo Eicher - VECV	North	North West Delhi	Dual Brake Valve	4611001270	Foot Brake Valve	1B200421	WNC-124	1	MC2ESLRCOM193103	E42CCOF4007569P	
WLPR80XZ	Spectra Kodak	450280	Mahindra Trucks & Buses - MTBO	South	Nalgonda	Drying and Distribution Unit - DDU	100307510	Drying and Distribution Unit	1	WNC-124	1	MAT1D4RPM272031	PCM2D12217	
WLLMY9V9	KAMAL MOTORS	450986	Tata Motors Limited -TML	West	Thane	Spring Brake Actuator - SBA	9254910480	Ty 24/24 SBA	JA070921	WNC-124	1	MAT794002M118631	65686A18D0212J6388	
WLSLSHWR	Janta Sales and Service centre	450285	Valvo Eicher - VECV	North	Ghaziabad	Dual Brake Valve	4611001270	Foot Brake Valve	1B200421	WNC-124	1	MC2ESLRCOM193017	E42CCOF4007569P	
WLSXSBY7	Janta Sales and Service centre	450285	Valvo Eicher - VECV	North	Ghaziabad	Dual Brake Valve	4611001270	Foot Brake Valve	1B200421	WNC-124	1	MC2ESLRCOM193017	E42CCOF4007569P	
WLLNM4T9	ASC Noronaha Motor Parts	450975	Mahindra Trucks & Buses - MTBO	West	Thane	Dual Brake Valve	4611001270	Foot Brake Valve	1A050521	WNC-124	1	MC2ESLRCOM193017	E42CCOF4007569P	
WL3TJUA01	VIKASH AIR PRESSURE	450225	Tata Motors Limited -TML	North	Rewari	LDV - Load Detection Valve	467400180	LDV	JA120821	WNC-124	1	MAT799008M1H17159	SLNGDQCR9YX104220	
WLSQJZS2	Chopra Sales & Service	450250	Valvo Eicher - VECV	North	North West Delhi	Dual Brake Valve	4611001270	Foot Brake Valve	1B200421	WNC-124	1	MC2ESLRCOM194685	E42CCOF4007569P	
WLLDPE53	Chopra Sales & Service	450250	Tata Motors Limited -TML	North	North West Delhi	Drying and Distribution Unit - DDU	100307510	Drying and Distribution Unit	1A041120	WNC-124	1	MAT782003M8B03819	ASR2H1P2C024902	
WLLR8HA5	Gurumehar Vehicle control System	450455	Trailer Customers	West	Rajgarh(MH)	Air Dryer	4324003070	Air Dryer	1B200721	WNC-124	1	0000010712104094	LZ40294	
WL4L60R9	Anind Motors Pvt Ltd	451055	Tata Motors Limited -TML	South	Dakshina Kannada	Spring Brake Actuator - SBA	9254900780	Ty 20/24 SBA	LB31200	WNC-380	1	MAT785009M7A02340	33LNGDQCRVX05242	
WLOIGVL3	KRISHNA AUTO ELECTRIC	451046	Tata Motors Limited -TML	West	Ahmedabad	Relay Valve	973280990	RO2	1A040720	WNC-124	1	MAT77106LAP02342	M22C02085	
WLJUSEQ2	KRISHNA AUTO ELECTRIC	451046	Tata Motors Limited -TML	West	Ahmedabad	Air Dryer	4324150550	VALVE	4320	WNC-124	1	MAT77106LAP02310	M219120545	
WL31GE3W	Automotive Care Point	450162	Mahindra Trucks & Buses - MTBO	West	Jalgaon	Brake Chamber	100850860	Brake Chamber (Ty 24)	2A100821	WNC-124	1	MA1JACWPM5M174050	CMMA495670	
WLYPGP73	SPECTRA VIJAYAWADA	450455	Tata Motors Limited -TML	South	Krishna	Dual Brake Valve	4611000080	Dual Brake Valve with Spout	1	WNC-124	1	MAT790203M715930	SLNGDQCR1YX518995	
WL3FGGLQ	Johnson Auto Garage	450462	Valvo Eicher - VECV	West	Vadodra	Spring Brake Actuator - SBA	100251600	Spring Brake Actuator (Type 1212) Voss	1B030421	WNC-124	100821	1	MC2EBCRCOM194685	E416NMC350561
WLLMNCQ2	Gurumehar Vehicle Control System	451071	Mahindra Trucks & Buses - MTBO	West	Rajgarh(MH)	Drying and Distribution Unit - DDU	100307510	Drying and Distribution Unit	1A041120	WNC-124	1	MAT782003M8B03819	ASR2H1P2C024902	
WLRLH4D0	Taurus turbo	451071	Mahindra Trucks & Buses - MTBO	West	Kanpur	Dual Brake Valve	461101230	DBV	1C410523	WNC-124	1	MA1JACWPM5M174050	CMMA495237	
WL8Z6O1M	ANURADHA SALES & SERVICE CENTER	450809	Valvo Eicher - VECV	North	Sonapat	Dual Brake Valve	4611001270	Foot Brake Valve	1C410523	WNC-124	1	MC2ESLRCOM194403	E42CCOF4007569P	
WL4H4F3	RAVI BOOSTER WORKS	450975	Valvo Eicher - VECV	South	Trivallur	Air Processing and Distribution Assembly - APDA	925001290	APDA	216/20	WNC-124	1	MC2EBCRCOM178148	E42CCOF4007569P	
WL1PTC41	GURUMEHAR BRAKE TECHNOLOGIES	450160	Tata Motors Limited -TML	West	Thane	Spring Brake Actuator - SBA	9254900070	Ty 20/24 SBA	JA26/0221 / JA26/0221	WNC-125	2	MAT808013M1C06640	D0212C0614609	
WLURJABH	RAVI BOOSTER WORKS	450975	Valvo Eicher - VECV	South	Thane	Dual Brake Valve	4611001270	Foot Brake Valve	22/270	WNC-124	1	MC2EBCRCOM178148	E42CCOF4007569P	
WLDPST79	RAVI BOOSTER WORKS	450975	Valvo Eicher - VECV	South	Trivallur	Dual Brake Valve	4611001270	Foot Brake Valve	1226/20	WNC-124	1	MC2EBCRCOM156376	E42CCOF4007569P	
WLQ2V5M9	GURUMEHAR BRAKE TECHNOLOGIES	450160	Tata Motors Limited -TML	West	Thane	Spring Brake Actuator - SBA	9254910480	Ty 24/24 SBA	J030321 / JB20021	WNC-125	2	MAT808013M1C06640	D0212C0614609	
WLOLJ6C	HEAMKONT SALES & SERVICE	450250	Valvo Eicher - VECV	North	Singapur	Dual Brake Valve	4611001270	Foot Brake Valve with treadle (Voss)	J030321	WNC-124	1	MAT794002M1G14096	11F3F3812545	
WL8V4DLP	Marco Automobiles	450600	Mahindra Trucks & Buses - MTBO	North	Udaipur	Compressor	100101680	MNAL Compressor - 230 CC	78051480	Select	1	000000000M837370	PAM214591	
WLGWP8E	SPECTRA VIJAYAWADA	450455	Tata Motors Limited -TML	South	Krishna	Clutch Servo	9700516530	Clutch Servo	1	WNC-124	1	MAT790203M715930	D0212A638291	
WLNSV1A	Marian Engg. Unit Centre	450106	Tata Motors Limited -TML	South	Madurai	Compressor	100101670	Assembly Belt Driven Compressor (160-CC)	1221 03837	WNC-124	124	1	MAT785009M7C05886	33LNGDQCRVX056775
WL93EMR	Amar Motors	450137	Tata Motors Limited -TML	South	Fatehabad	Compressor	911535540	Single Cyl. Compressor	1221 03837	WNC-124	1	MAT793002M1C07791	12064148253	
WL1UJ0U5	Marian Engg. Unit Centre	450106	Tata Motors Limited -TML	South	Madurai	Air Processing Unit -APU	925001520	Air Processing Unit	1121 855	WNC-124	124	1	MAT785009M7C05886	33LNGDQCRVX056775
WL84U1A4	Amar Motors	450137	Tata Motors Limited -TML	South	Fatehabad	Air Processing Unit -APU	925001520	Air Processing Unit	1121 855	WNC-124	1	MAT793002M1C07791	12064148253	

	Failure mode	Observation1	Observation2	Action Taken by ASC	Servicpart 1	Q1	Servicpart 2	Q2	Servicpart 3	Q3	Servicpart 4	Q4	Servicpart 5	Q5	QA Assessment - Customer	Claim Entered	Qual
I	NFF - No Fault Found		0 Select Observation2	Tested and Found OK			0		0		0		0		0 Part Found OK - NFF	11/4/22 16/22	
	Leakage	Leak through primary Circuit	0	Repaired with repair kits	300006017	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	Leak through primary Circuit	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	Leak through primary Circuit	0	Repaired with repair kits	300006018	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	Leak through primary Circuit	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Clutch hard	Clutch assembly - Spring not seated properly in the exhaust protector	0	Replaced	9700516480	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Modulator Valve Not Working	Ignition not happening	0	Tested and Found OK		0	0	0	0	0	0	0	0	0	14/22 84/22		
	Modulator Valve Not Working	Ignition not happening	0	Tested and Found OK		0	0	0	0	0	0	0	0	0	14/22 84/22		
	Relay Valve Not working	Relay Valve Not working	0 Select Observation2	Repaired with repair kits	300003084	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Poor Braking	Delivery Pressure Low	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	Air Supplied at P11- Off Leak - Pushed not pressed Condition	0	Repaired with repair kits	300002037	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Coolant Mixup with delivery	Gasket tear	0	Repaired with repair kits	300001304	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Coolant Mixup with delivery	Gasket tear	0	Repaired with repair kits	300001486	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Coolant Mixup with delivery	Gasket tear	0	Repaired with repair kits	300001304	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Coolant Mixup with delivery	Gasket tear	0	Repaired with repair kits	300001304	1	0	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	Leak through primary Circuit	Primary Bonded Valve sealing face damage	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	14/22 84/22		
	Leakage	O-Ring cut / Damage	O-Ring cut / Damage	0	Repaired with repair kits	300006018	1	0	0	0	0	0	0	0	24/22 84/22		
	DE	Leakage	Exhaust Valve Seal Found damage	Foreign Particle entrapment	0	Repaired with repair kits	300003127	1	0	0	0	0	0	0	0	24/22 84/22	
Leakage		Diaphragm Puncture / tear	0	Repaired with repair kits	100843331	2	0	0	0	0	0	0	0	0	14/22 84/22		
Leakage		Diaphragm Puncture / tear	0	Repaired with repair kits	100843331	2	0	0	0	0	0	0	0	0	14/22 84/22		
Leakage		Leak through secondary Circuit	0	Repaired with repair kits	300006018	1	0	0	0	0	0	0	0	0	14/22 84/22		
Wind off rod Jam/Struck		Ram Seal dislocate	0	Repaired with repair kits	300025084	4	300025064	4	0	0	0	0	0	0	24/22 84/22		
Leakage		Wind off rod in Condition	0	Repaired with repair kits	300025084	1	0	0	0	0	0	0	0	0	14/22 84/22		
Oil leak over - OOD		Flag test - OK	0	Tested and Found OK		0	0	0	0	0	0	0	0	0	24/22 84/22		
Leakage		Leak between diaphragm & Clamp ring	0	Repaired with repair kits	300025118	1	0	0	0	0	0	0	0	0	44/22 84/22		
Leakage		Pedal pressed condition	0	replaced		0	0	0	0	0	0	0	0	0	24/22 84/22		
Leakage		Exhaust Valve Seal Found damage	Foreign Particle entrapment	0	Repaired with repair kits	300003096	1	0	0	0	0	0	0	0	14/22 84/22		
Leakage		Wind off rod in Condition	Ram Stem Leak	0	Repaired with repair kits	9254991152	1	0	0	0	0	0	0	0	44/22 16/42		
NFF - No Fault Found		Select Observation1	0	Tested and Found OK		0	0	0	0	0	0	0	0	0	24/22 84/22		
NFF - No Fault Found		Select Observation2	0	Tested and Found OK		0	0	0	0	0	0	0	0	0	24/22 84/22		
Not working		Body Porosity	0	Replaced	300006002	0	0	0	0	0	0	0	0	0	14/22 84/22		
Leakage		CAM Broken	0	Select	4674000180	1	0	0	0	0	0	0	0	0	44/22 48/22		
Leakage		Leak through primary Circuit	0	Repaired with repair kits	300006018	1	0	0	0	0	0	0	0	0	44/22 84/22		
NFF - No Fault Found			0 Select Observation2	Tested and Found OK		0	0	0	0	0	0	0	0	0	44/22 84/22		
Leakage		Exhaust Valve Seal Found damage	0	Repaired with repair kits	4329012232	1	300003174	1	0	0	0	0	0	0	44/22 84/22		
GH	Leakage	0 Select Observation2	Repaired with repair kits	350023045	1	0	0	0	0	0	0	0	0	0	44/22 84/22		
	Leakage	Contamination inside the assembly	0	Repaired with repair kits	300003084	1	0	0	0	0	0	0	0	0	44/22 84/22		
	Water Collection in the airtank	Heavy Duty Cycle application	Heavy Duty Cycle application	0	Repaired with repair kits	300003127	1	0	0	0	0	0	0	0	44/22 84/22		
	Leakage	Diaphragm Puncture / tear	0	Repaired with repair kits	100843331	1	100279030	1	0	0	0	0	0	0	44/22 84/22		
	Leakage	Foreign particle between Primary piston & body	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	0	44/22 84/22		
	Leakage	Flange O-Ring Cut	0	Replaced	300025041	1	0	0	0	0	0	0	0	0	24/22 84/22		
	Leakage	Diaphragm tear in the GSPW assembly	0	Repaired with repair kits	300003086	1	100311730	0	100312100	1	100336950	0	0	0	54/22 84/22		
	Leakage	Leak through primary Circuit	Primary Bonded Valve sealing face damage	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	24/22 84/22		
	Leakage	Leak through primary Circuit	0	Repaired with repair kits	300006018	1	0	0	0	0	0	0	0	0	54/22 84/22		
	Leakage	Exhaust Valve Seal Found damage	0 Select Observation2	Repaired with repair kits	300003128	1	0	0	0	0	0	0	0	0	54/22 84/22		
	NFF - No Fault Found	0 Select Observation2	Tested and Found OK		0	0	0	0	0	0	0	0	0	0	54/22 84/22		
	Leakage	Leak through primary Circuit	Primary Bonded Valve sealing face damage	0	Repaired with repair kits	300006020	1	0	0	0	0	0	0	0	54/22 84/22		
	Leakage	Leak through primary Circuit	Primary Bonded Valve sealing face damage	0	Repaired with repair kits	300006008	1	0	0	0	0	0	0	0	44/22 84/22		
	Leakage	Wind off rod in Condition	0	replaced	9254919332	2	0	0	0	0	0	0	0	0	54/22 84/22		
	NFF - No Fault Found	Improper inverting in the reed assembly	0 Select Observation2	Repaired with repair kits	350232033	1	300001485	1	0	0	0	0	0	0	54/22 84/22		
	No Air buildup	Contamination inside the Carbure assembly	0	Replaced	9700516480	1	0	0	0	0	0	0	0	0	54/22 84/22		
	NFF - No Fault Found	Flag test - Not OK	0 Select Observation2	Replaced and no parts replaced		0	0	0	0	0	0	0	0	0	54/22 84/22		
	Oil leak over - OOD	Piston ring Excess worn out	0	Repaired with repair kits	300001411	1	300001410	1	0	0	0	0	0	0	54/22 84/22		
NFF - No Fault Found		0 Select Observation2	Replaced and no parts replaced		0	0	0	0	0	0	0	0	0	54/22 84/22			
Leakage	Exhaust Valve Seal Found damage	0 Select Observation2	Repaired with repair kits	4324150892	1	0	0	0	0	0	0	0	0	54/22 84/22			

Observation2	Action Taken by ASC	Servicepart 1	Q1	Servicepart 2	Q2	Servicepart 3	Q3	Servicepart 4	Q4	Servicepart 5	Q5	QA Assessment - Customer	Claim Entered	Quality Approved Date	price1	price2	price3	price4	price5	Total Price	After Sale Period - MS	
Observation2	Tested and Found OK		0		0		0		0		0	Part Found OK - NFF		1/14/22 1/6/22	0	0	0	0	0	0	7	
	0 Repaired with repair kits	300006017	1		0		0		0		0			1/14/22 8/4/22	111.1	0	0	0	0	111.1	3	
	0 Repaired with repair kits	300006020	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	5	
	0 Repaired with repair kits	300006018	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	9	
Observation2	Repaired with repair kits	300006020	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	10	
	0 Replaced	9700516480	1		0		0		0		0			1/14/22 8/4/22	277	0	0	0	0	277	13	
	0 Tested and Found OK		0		0		0		0		0			1/14/22 8/4/22	0	0	0	0	0	0	5	
	0 Tested and Found OK		0		0		0		0		0			1/14/22 8/4/22	0	0	0	0	0	0	5	
Observation2	Repaired with repair kits	300003084	1		0		0		0		0			1/14/22 8/4/22	23.7	0	0	0	0	23.7	13	
	0 Repaired with repair kits	300006020	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	16	
	0 Repaired with repair kits	300002037	1		0		0		0		0			1/14/22 8/4/22	102.3	0	0	0	0	102.3	5	
	0 Repaired with repair kits	300001304	1		0		0		0		0			1/14/22 8/4/22	128	0	0	0	0	128	1	
	0 Repaired with repair kits	300001486	1		0		0		0		0			1/14/22 8/4/22	128	0	0	0	0	128	1	
	0 Repaired with repair kits	300001304	1		0		0		0		0			1/14/22 8/4/22	128	0	0	0	0	128	13	
	0 Repaired with repair kits	300001304	1		0		0		0		0			1/14/22 8/4/22	128	0	0	0	0	128	1	
	0 Repaired with repair kits	300001304	1		0		0		0		0			1/14/22 8/4/22	128	0	0	0	0	128	0	
y Bonded Valve sealing face damage	Repaired with repair kits	300006020	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	16	
	0 Repaired with repair kits	300006018	1		0		0		0		0			2/14/22 8/4/22	65.4	0	0	0	0	65.4	10	
	Repaired with repair kits	300003127	1		0		0		0		0			2/14/22 8/4/22	178	0	0	0	0	178	10	
	0 Repaired with repair kits	100843331	2		0		0		0		0			1/14/22 8/4/22	69	0	0	0	0	69	4	
	0 Repaired with repair kits	100843331	2		0		0		0		0			1/14/22 8/4/22	69	0	0	0	0	69	14	
	0 Repaired with repair kits	300006018	1		0		0		0		0			1/14/22 8/4/22	65.4	0	0	0	0	65.4	14	
	0 Repaired with repair kits	300025084	4		300025064	4		0		0	0			2/14/22 8/4/22	322.4	368.8	0	0	0	691.2	7	
	0 Repaired with repair kits	300025084	1		0		0		0		0			1/14/22 8/4/22	80.6	0	0	0	0	80.6	9	
	0 Tested and Found OK		0		0		0		0		0			2/14/22 8/4/22	0	0	0	0	0	0	16	
	0 Repaired with repair kits	300025118	1		0		0		0		0			4/14/22 8/4/22	93	0	0	0	0	93	4	
	Repaired and no parts replaced		0		0		0		0		0			2/14/22 8/4/22	0	0	0	0	0	0	9	
	0 Replaced	300003096	1		0		0		0		0			1/14/22 8/4/22	340.5	0	0	0	0	340.5	8	
1 Particle entrapment tem Leak	Repaired with repair kits	9254991152	1		0		0		0		0			4/14/22 16/06/2022	79.9	0	0	0	0	79.9	7	
	0 Tested and Found OK		0		0		0		0		0			2/14/22 8/4/22	0	0	0	0	0	0	9	
	0 Tested and Found OK		0		0		0		0		0			2/14/22 8/4/22	0	0	0	0	0	0	6	
	0 Replaced	300006002	1		0		0		0		0			1/14/22 8/4/22	56.8	0	0	0	0	56.8	6	
Observation2	0 Select	4674000180	1		0		0		0		0			4/14/22 4/8/22	0	0	0	0	0	0	2	
	0 Repaired with repair kits	300006018	1		0		0		0		0			4/14/22 8/4/22	65.4	0	0	0	0	65.4	7	
	Tested and Found OK		0		0		0		0		0			4/14/22 8/4/22	0	0	0	0	0	0	7	
	0 Repaired with repair kits	4329012232	1		300003174	1		0		0	0			4/14/22 8/4/22	311.6	285.4	0	0	0	597	7	
Observation2	Repaired with repair kits	350023045	1		0		0		0		0			4/14/22 8/4/22	98	0	0	0	0	98	14	
	0 Repaired with repair kits	300003084	1		0		0		0		0			4/14/22 8/4/22	23.7	0	0	0	0	23.7	12	
	Repaired with repair kits	300003127	1		0		0		0		0			4/14/22 8/4/22	178	0	0	0	0	178	12	
	0 Repaired with repair kits	100843331	1		100275030	1		0		0	0			4/14/22 8/4/22	34.5	3	0	0	0	37.5	4	
	0 Repaired with repair kits	300006020	1		0		0		0		0			4/14/22 8/4/22	65.4	0	0	0	0	65.4	6	
	0 Replaced	300025041	1		0		0		0		0			2/14/22 8/4/22	72.8	0	0	0	0	72.8	5	
	0 Repaired with repair kits	300003086	1		100311730	1		100312100	1		100336950	4			5/14/22 8/4/22	71	29.3	29	7.6	0	136.9	8
	0 Repaired with repair kits	300006020	1		0		0		0		0			5/14/22 8/4/22	65.4	0	0	0	0	65.4	12	
y Bonded Valve sealing face damage	0 Repaired with repair kits	300006018	1		0		0		0		0			5/14/22 8/4/22	65.4	0	0	0	0	65.4	8	
	Repaired with repair kits	300003128	1		0		0		0		0			5/14/22 8/4/22	329.6	0	0	0	0	329.6	19	
	Tested and Found OK		0		0		0		0		0			5/14/22 8/4/22	0	0	0	0	0	0	10	
	Repaired with repair kits	300006020	1		0		0		0		0			5/14/22 8/4/22	65.4	0	0	0	0	65.4	19	
y Bonded Valve sealing face damage	Repaired with repair kits	300006006	1		0		0		0		0			4/14/22 8/4/22	82.9	0	0	0	0	82.9	15	
	Repaired and no parts replaced		0		0		0		0		0			5/14/22 8/4/22	0	0	0	0	0	0	10	
	0 Replaced	9254919332	2		0		0		0		0			5/14/22 8/4/22	0	0	0	0	0	0	9	
	Tested and Found OK		0		0		0		0		0			4/14/22 8/4/22	0	0	0	0	0	0	9	
Observation2	Repaired with repair kits	350023033	1		300001485	1		0		0	0			5/14/22 8/4/22	204.1	76	0	0	0	280.1	6	
	0 Replaced	9700516480	1		0		0		0		0			5/14/22 8/4/22	277	0	0	0	0	277	13	
	Repaired and no parts replaced		0		0		0		0		0			5/14/22 8/4/22	0	0	0	0	0	0	13	
	ring Excess worn out	300001411	1		300001410	1		0		0	0			5/14/22 8/4/22	89	348.9	0	0	0	437.9	12	
Observation2	Repaired and no parts replaced		0		0		0		0		0			5/14/22 8/4/22	0	0	0	0	0	0	13	
	Repaired with repair kits	4324150892	1		0		0		0		0			5/14/22 8/4/22	136	0	0	0	0	136	12	

INSIGHTS:

- Determine The Parts That Fail The Most Frequently:**

By analyzing warranty data, businesses may determine the parts that fail the most frequently and result in claims.

- Examine The Primary Reasons Of Failure:**

The primary causes of failure for the majority of failure parts should be understood.

- Finding Trends And Patterns In Warranty Claims:**

Data analysis can help find trends and patterns in warranty claims, such as certain parts that are more likely to fail.

- Compare Warranty Data To Product Design And Manufacturing Information:**

Comparing warranty data to product design and manufacturing information can assist in identifying potential design flaws that could be causing warranty claims.

- Utilize Data Visualization Tools:**

Companies may easily spot trends and patterns in warranty data by using data visualization tools.

BRIEF SUMMARY:

- A centralized platform for handling warranty claims and related data, such as details on failed parts, is offered through the ASC Warranty Data Portal for vehicles.
- The portal consolidates data from multiple sources, such as dealer reports, and field service data, to track and analyze warranty claims.
- It offers data analytics tools that can assist businesses in locating common problems and flaws in their vehicles, which can have an impact on product design, production methods, and quality control.
- The portal can assist businesses in enhancing the dependability and durability of their vehicles, lowering the possibility of further breakdowns and warranty claims.
- The portal can also assist businesses in finding ways to cut warranty-related costs, such as by negotiating better warranty terms with suppliers and finding chances to boost the effectiveness of warranty procedures.
- With an emphasis on identifying and resolving failure parts concerns, the ASC Warranty Data Portal for automobiles has the overall goal of enhancing product quality, customer satisfaction, and lowering warranty-related costs.