



FORMULA STUDENT XXX
CAR NUMBER 81 - INVICTUS 2020

Cost report : Supporting material file

May 5, 2020

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Introduction

Nomenclature

Summary

AE - Aerodynamics

AE_A0100 Front Wing

AE_01001	Main Airfoil FrontWing		m	1
AE_01002	2nd Airfoil FrontWing		m	2
AE_01003	EndPlate Ext FrontWing		b	2
AE_01004	EndPlate Int FrontWing		b	2

AE_A0200 Rear Wing

AE_02001	Main Airfoil RearWing		m	1
AE_02002	2nd Airfoil RearWing		m	1
AE_02003	3rd Airfoil RearWing		m	1
AE_02004	EndPlate Rearwing		b	2

AE_A0300 Wings/Endplate Fixation

AE_03001	Fixation FW Airfoil 1		m	2
AE_03002	Fixation FW Airfoil 2		m	4
AE_03003	Fixation RW Airfoil 1		m	2
AE_03004	Fixation RW Airfoil 2 & 3		m	4
AE_03005	languette alu		m	50
AE_03006	languette acier		m	8

AE_A1100 FrontWing Attach System

AE_11001	Aluminium Truss		m	2
AE_11002	Integrated Profile		m	2
AE_11003	Chape haut		m	0
AE_11004	Chape bas		m	0
AE_11005	languette 2 trous avant		m	0

AE_A1200 FrontWing Reinforcement System

AE_12001	Cable & Tension system		b	2
AE_12002	Chape		m	2
AE_12003	Liaison Chape-Cable		b	2
AE_12004	Liaison Endplate-Cable		m	2

AE_A2100 RearWing Attach System

AE_21001	Aluminium Truss		m	2
AE_21002	Interface		m	4
AE_21003	Integrated Profile		m	2
AE_21004	Chape intérieure		m	2
AE_21005	Chape extérieure		m	2
AE_21006	languette 2 trous arrière		m	2

AE_A2200 RearWing Reinforcement System

AE_22001	Cable & Tension system		b	2
AE_22002	Chape		m	2
AE_22003	Liaison Endplate-Cable		m	2

Part I

AE - Aerodynamics

AE_A0100	Front Wing
AE_A0200	Rear Wing
AE_ A0300	Wings/Endplate Fixation
AE_A1100	FrontWing Attach System
AE_A1200	FrontWing Reinforcement System
AE_A2100	RearWing Attach System
AE_A2200	RearWing Reinforcement System

AE_A0100 Front Wing

id	part	description	m/b	qty
AE_01001	Main Airfoil FrontWing		m	1
AE_01002	2nd Airfoil FrontWing		m	2
AE_01003	EndPlate Ext FrontWing		b	2
AE_01004	EndPlate Int FrontWing		b	2

AE_01001 m Main Airfoil FrontWing ()

AE_01002 m 2nd Airfoil FrontWing ()

AE_01003 b EndPlate Ext FrontWing ()

AE_01004 b EndPlate Int FrontWing ()

AE_A0200 Rear Wing

id	part	description	m/b	qty
AE_02001	Main Airfoil RearWing		m	1
AE_02002	2nd Airfoil RearWing		m	1
AE_02003	3rd Airfoil RearWing		m	1
AE_02004	EndPlate Rearwing		b	2

AE_02001 m Main Airfoil RearWing ()

AE_02002 m 2nd Airfoil RearWing ()

AE_02003 m 3rd Airfoil RearWing ()

AE_02004 b EndPlate Rearwing ()

AE_ A0300 Wings/Endplate Fixation

id	part	description	m/b	qty
AE_03001	Fixation FW Airfoil 1		m	2
AE_03002	Fixation FW Airfoil 2		m	4
AE_03003	Fixation RW Airfoil 1		m	2
AE_03004	Fixation RW Airfoil 2 & 3		m	4
AE_03005	languette alu		m	50
AE_03006	languette acier		m	8

AE_03001 m Fixation FW Airfoil 1 ()

AE_03002 m Fixation FW Airfoil 2 ()

AE_03003 m Fixation RW Airfoil 1 ()

AE_03004 m Fixation RW Airfoil 2 & 3 ()

AE_03005 m languette alu ()

AE_03006 m languette acier ()

AE_A1100 FrontWing Attach System

id	part	description	m/b	qty
AE_11001	Aluminium Truss		m	2
AE_11002	Integrated Profile		m	2
AE_11003	Chape haut		m	0
AE_11004	Chape bas		m	0
AE_11005	languette 2 trous avant		m	0

AE_11001 m Aluminium Truss ()

AE_11002 m Integrated Profile ()

AE_11003 m Chape haut ()

AE_11004 m Chape bas ()

AE_11005 m languette 2 trous avant ()

AE_A1200 FrontWing Reinforcement System

id	part	description	m/b	qty
AE_12001	Cable & Tension system		b	2
AE_12002	Chape		m	2
AE_12003	Liaison Chape-Cable		b	2
AE_12004	Liaison Endplate-Cable		m	2

AE_12001 b Cable & Tension system ()

AE_12002 m Chape ()

AE_12003 b Liaison Chape-Cable ()

AE_12004 m Liaison Endplate-Cable ()

AE_A2100 RearWing Attach System

id	part	description	m/b	qty
AE_21001	Aluminium Truss		m	2
AE_21002	Interface		m	4
AE_21003	Integrated Profile		m	2
AE_21004	Chape intÃ©rieure		m	2
AE_21005	Chape extÃ©rieure		m	2
AE_21006	languette 2 trous arriÃ©re		m	2

AE_21001 m Aluminium Truss ()

AE_21002 m Interface ()

AE_21003 m Integrated Profile ()

AE_21004 m Chape intÃ©rieure ()

AE_21005 m Chape extÃ©rieure ()

AE_21006 m languette 2 trous arrière ()

AE_A2200 RearWing Reinforcement System

id	part	description	m/b	qty
AE_22001	Cable & Tension system		b	2
AE_22002	Chape		m	2
AE_22003	Liaison Endplate-Cable		m	2

AE_22001 b Cable & Tension system ()

AE_22002 m Chape ()

AE_22003 m Liaison Endplate-Cable ()