



**Gen 3 TruckWings Systems
Standard Repair Times (SRT) Guide
XS-TD22019**

REV A

2022/10/25

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1 Scope

This list of standard repair times applies to the following diesel TruckWings models; XS-010620, XS-010630, XS-010640, XS-010650, XS-010680, XS-010827, XS-010880, XS-010900, XS-012100, XS-012110, XS-012130, XS-012210

2 General Information

Standard Repair Times (SRT) are lists of TruckWings service procedures and the labor time required to perform those tasks. A SRT is equitable when the repair described in the procedure can be performed in a period of time less than or equal to the standard by a professional mechanic after they have performed that repair at least once. Those SRT that a particular mechanic performs more frequently will often require less time than the standard. Conversely, those SRT that a particular mechanic does not frequently perform may require more time than the standard.

Diagnostic SRT are provided for troubleshooting problems resulting in function loss of TruckWings.

Refer to the relevant TruckWings Preventative Maintenance and Troubleshooting & Repair Guides for detailed repair procedures.

3 Preventive Maintenance Actions

As detailed in the TruckWings Preventative Maintenance Guide, there are two planned maintenance activities. A General Inspection should be performed at each PMI interval to verify functionality and identify any concerns that should be addressed. At 150,000 miles or annually, whichever comes first, a Hinge Bushing Replacement should be performed. The recommended SRT for both actions are provided below.

Maintenance	Interval	Action	SRT
General Inspection	Each PMI	<ul style="list-style-type: none"> ○ On catwalk; Inspection of hinges and panels from catwalk, TruckWings closed ○ In-cab; TruckWings function test ○ From ground; Inspection of TruckWings internal structure, TruckWings open 	0.2
Hinge Bushing Replacement	150k / Annual	<ul style="list-style-type: none"> ○ Hinge bushing R&R, both sides 	0.4

4 Diagnostic SRT

Diagnostic	Procedure	SRT (Hours)
No Power to TruckWings Electronics	Check for: <ul style="list-style-type: none"> ● RP1226 harness connection ● Telematics function ● Controller function 	0.3
TruckWings Do Not Deploy - Electronics OK	Check for: <ul style="list-style-type: none"> ● Trailer distance sensor function ● Exterior harness condition ● Air supply check valve ● Air leaks ● Controller function ● Airflow Control Assy function ● TruckWings operating mode 	0.4
Trailer Distance Sensor Error	Check for: <ul style="list-style-type: none"> ● Exterior harness condition ● Trailer distance sensor function ● Controller function 	0.3
TruckWings Cylinder Air Leak Detection	Check for: <ul style="list-style-type: none"> ● Bottom cylinder leaks ● Top cylinder leaks ● Airflow Control Assy leaks 	0.3
Setting TruckWings Operation Mode	Check for: <ul style="list-style-type: none"> ● Current operating mode ● Submit request to change mode 	0.2

5 Repair SRT

Repair Action	Service Kit Description	SRT (Hours)
PANEL KITS & RELATED HARDWARE		
Panel R&R	SIDE PANEL, DRIVER, KIT	0.7
Panel R&R	SIDE PANEL, PASSENGER, KIT	0.7
Panel R&R	TOP PANEL KIT	0.8
Panel R&R	TRAPEZOID PANEL, KIT	1.0
Panel R&R	TOP TRIANGLE, DRIVER, KIT	0.9
Panel R&R	TOP TRIANGLE, PASSENGER, KIT	0.9
Panel Window R&R	WINDOW, PANEL, DRIVER SIDE	0.5
Grab Handle R&R	GRAB HANDLE KIT	0.3
Grab Handle Reinforcement R&R	GRAB HANDLE REINFORCEMENT	0.3

FRAME MOUNTED ACCESSORY KITS		
Air Hose Mount R&R	AIR HOSE MOUNT REPLACE KIT	0.5
Side Extender R&R	SIDE EXTENDER KIT, PASSENGER	1.0
Verified Deployment Shield R&R	VERIFIED DEPLOYMENT SHIELD	0.4
Low mount accessory bracket R&R	LOW MOUNT BRACKET, KIT	0.4
Aero cover R&R, Per Side	AERO COVER KIT	0.8

PANEL HINGE AND BUSHING KITS		
Side Panel Hinge R&R, Per Side	SIDE PANEL HINGE REPLACEMENT KIT, UPPER	0.7
Side Panel Hinge R&R, Per Side	SIDE PANEL HINGE REPLACEMENT KIT, LOWER	0.7
Hinge Bushing Service, Both Sides	SIDE PANEL HINGE BUSHING KIT, COMPLETE	0.4
Side Panel Arm R&R, Per Side	SIDE PANEL ARM	0.6



CABINET EXTENSION PANEL KITS (CNG Systems Only)		
Side Extender R&R	SIDE EXTENDER KIT, DRIVER	1.0
Side Extender R&R	SIDE EXTENDER KIT, PASSENGER	1.0
Top Skin R&R	UPPER SKIN ASSY KIT	0.8
Distance Sensor Mount R&R	DISTANCE SENSOR MOUNT KIT	0.5

ELECTRICAL KITS		
Distance Sensor R&R	DISTANCE SENSOR KIT	0.8
Telematics R&R	TRUCKLABS TELEMATICS	0.5
Controller R&R	TRUCKWINGS CONTROLLER	0.3
Harness R&R	CAN HARNESS	0.5
Complete Telematics System R&R	KIT, TRUCKLABS TELEMATICS	0.6
Harness R&R	EXTERIOR HARNESS	1.1

AIRFLOW & ACTUATOR KITS		
Actuator Seal Service	ACTUATOR REBUILD KIT, TOP	1.3
Actuator Seal Service, Per Side	ACTUATOR REBUILD KIT, BOTTOM	1.0
Actuator R&R	ACTUATOR, COMPLETE, TOP, KIT	0.8
Actuator R&R, Per Side	ACTUATOR, COMPLETE, BOTTOM	0.6
Airflow Hose R&R, Per Actuator	ACTUATOR HOSE BUNDLE	0.3
Air Supply Hose R&R	TRACTOR AIR SUPPLY HOSE	0.5
Airflow Control R&R	AIRFLOW CONTROL ASSY	0.4

6 Revision History

Rev.	Author	Revision History Description	Release Date
A	A. Kelly	Initial Release	10/25/2022