

Q4 2016 Earnings Release

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Allison Transmission cannot assure you that the assumptions made in preparing any of the forward-looking statements will prove accurate or that any long-term financial goals will be realized. All forward-looking statements included in this presentation speak only as of the date made, and Allison Transmission undertakes no obligation to update or revise publicly any such forward-looking statements, whether as a result of new information, future events, or otherwise. In particular, Allison Transmission cautions you not to place undue weight on certain forward-looking statements pertaining to potential growth opportunities, long-term financial goals or the value we currently ascribe to certain tax attributes set forth herein. Actual results may vary significantly from these statements.

Allison Transmission’s business is subject to numerous risks and uncertainties, which may cause future results of operations to vary significantly from those presented herein. Important factors that could cause actual results to differ materially are discussed in Allison Transmission’s Annual Report on Form 10-K for the year ended December 31, 2015.

Non-GAAP Financial Information

We use Adjusted EBITDA and Adjusted EBITDA margin to measure our operating profitability. We believe that Adjusted EBITDA and Adjusted EBITDA margin provide management, investors and creditors with useful measures of the operational results of our business and increase the period-to-period comparability of our operating profitability and comparability with other companies. Adjusted EBITDA margin is also used in the calculation of management's incentive compensation program. The most directly comparable U.S. generally accepted accounting principles ("GAAP") measure to Adjusted EBITDA is Net income. Adjusted EBITDA is calculated as the earnings before interest expense, income tax expense, amortization of intangible assets, depreciation of property, plant and equipment and other adjustments as defined by our debt agreement. Adjusted EBITDA margin is calculated as Adjusted EBITDA divided by net sales.

We use Adjusted free cash flow to evaluate the amount of cash generated by our business that, after the capital investment needed to maintain and grow our business and certain mandatory debt service requirements, can be used for repayment of debt, stockholder distributions and strategic opportunities, including investing in our business and strengthening our balance sheet. We believe that Adjusted free cash flow enhances the understanding of the cash flows of our business for management, investors and creditors. Adjusted free cash flow is also used in the calculation of management's incentive compensation program. The most directly comparable GAAP measure to Adjusted free cash flow is Net cash provided by operating activities.

Call Agenda

- **Q4 2016 Performance**
- **2017 Guidance**

Q4 2016 Performance Summary

(\$ in millions)	Q4 2016	Q4 2015	% Variance
Net Sales	\$469	\$478	(1.9%)
Gross Margin %	46.4%	46.5%	(10 bps)
Net Income	\$61	\$13	370.8%
Adjusted EBITDA ⁽¹⁾	\$158	\$170	(6.9%)
Adjusted Free Cash Flow ⁽¹⁾	\$146	\$147	(1.0%)

Commentary

Net Sales: decrease was principally driven by lower demand in the North America On-Highway and Global Off-Highway end markets partially offset by higher demand in the Outside North America On-Highway, Defense and Service Parts, Support Equipment & Other end markets.

Gross Margin: decrease was principally driven by decreased net sales and higher incentive compensation expense partially offset by lower manufacturing expense commensurate with decreased net sales.

Net Income: increase was principally driven by a 2015 Trade Name Impairment charge, favorable mark-to-market adjustments for our interest rate derivatives and favorable product warranty adjustments partially offset by decreased net sales and higher incentive compensation expense.

Adjusted EBITDA: decrease was principally driven by higher incentive compensation expense and decreased net sales partially offset by favorable product warranty adjustments.

Adjusted Free Cash Flow: decrease was principally driven by higher incentive compensation expense, decreased net sales and increased capital expenditures partially offset by favorable product warranty adjustments and increased incentive compensation accruals.

(1) See Appendix for a reconciliation of Adjusted EBITDA and Adjusted Free Cash Flow.

Q4 2016 Sales Performance

(\$ in millions)

End Markets	Q4 2016	Q4 2015	% Variance	Commentary
North America On-Hwy	\$217	\$252	(14%)	Principally driven by lower demand for Rugged Duty Series and Highway Series models
North America Hybrid-Propulsion Systems for Transit Bus	\$20	\$23	(13%)	Principally driven by lower demand due to engine emissions improvements and other alternative technologies
North America Off-Hwy	\$0	\$11	(100%)	Principally driven by the previously contemplated impact of low energy prices
Defense	\$37	\$25	48%	Principally driven by intra-year movement in the timing of orders
Outside North America On-Hwy	\$83	\$65	28%	Principally driven by higher demand in Europe, Japan and China
Outside North America Off-Hwy	\$4	\$7	(43%)	Principally driven by lower demand in the mining sector
Service Parts, Support Equipment & Other	\$108	\$95	14%	Principally driven by higher demand for North America Off-Highway service parts
Total	\$469	\$478	(2%)	

Q4 2016 Financial Performance

(\$ in millions, except per share data)	Q4 2016	Q4 2015	\$ Var	% Var	Commentary
Net Sales	\$468.9	\$478.2	(\$9.3)	(1.9%)	Decrease was principally driven by lower demand in the North America On-Highway and Global Off-Highway end markets partially offset by higher demand in the Outside North America On-Highway, Defense and Service Parts, Support Equipment & Other end markets
Cost of Sales	\$251.2	\$256.0	\$4.8	1.9%	
Gross Profit	\$217.7	\$222.2	(\$4.5)	(2.0%)	Decrease was principally driven by decreased net sales and higher incentive compensation expense partially offset by lower manufacturing expense commensurate with decreased net sales
Operating Expenses					
Selling, General and Administrative	\$83.5	\$81.5	(\$2.0)	(2.5%)	Increase was principally driven by higher incentive compensation expense partially offset by favorable product warranty adjustments
Engineering – Research and Development	\$24.5	\$23.5	(\$1.0)	(4.3%)	Increase was principally driven by higher incentive compensation expense partially offset by the cadence of certain product development initiatives
Impairment Loss	\$0.0	\$80.0	\$80.0	100.0%	Trade name impairment charge of \$80 million in 2015 as a result of lower forecasted net sales for certain of our end markets
Total Operating Expenses	\$108.0	\$185.0	\$77.0	41.6%	
Operating Income	\$109.7	\$37.2	\$72.5	194.9%	
Interest Expense, net	(\$16.8)	(\$20.8)	\$4.0	19.2%	Decrease principally driven by favorable mark-to-market adjustments for our interest rate derivatives partially offset by interest expense for our interest rate derivatives that became effective in August 2016
Expenses Related to Long-Term Debt Refinancing	(\$0.1)	\$0.0	(\$0.1)	N/A	
Other Income, net	\$1.9	\$3.3	(\$1.4)	42.4%	
Income Before Income Taxes	\$94.7	\$19.7	\$75.0	380.7%	
Income Tax Expense	(\$33.5)	(\$6.7)	(\$26.8)	(400.0%)	Increase in effective tax rate principally driven by an increase in estimated taxable income of certain foreign entities
Net Income	\$61.2	\$13.0	\$48.2	370.8%	
Diluted Earnings Per Share	\$0.36	\$0.08	\$0.28	350.0%	Q4 2016: 165.9M shares; Q4 2015: 171.9M shares
Adjusted EBITDA ⁽¹⁾	\$158.4	\$170.1	(\$11.7)	(6.9%)	
Adjusted EBITDA Margin ⁽¹⁾	33.8%	35.6%	-	(1.8%)	

(1) See Appendix for a reconciliation from Net Income.

Q4 2016 Cash Flow Performance

(\$ in millions)	Q4 2016	Q4 2015	\$ Variance	% Variance	Commentary
Net Cash Provided by Operating Activities	\$175	\$175	\$0	0.2%	Principally driven by higher incentive compensation expense, decreased net sales, increased operating working capital ⁽²⁾ and excess tax benefit from stock-based compensation offset by favorable product warranty adjustments, increased incentive compensation accruals and decreased other assets, net
CapEx	\$34	\$28	\$6	21.1%	Principally driven by timing of productivity and replacement program spending
Adjusted Free Cash Flow ⁽¹⁾	\$146	\$147	(\$1)	(0.9%)	Principally driven by increased capital expenditures partially offset by increased excess tax benefit from stock-based compensation

(\$ in millions)	Q4 2016	Q4 2015	\$ Variance	% Variance	Commentary
Operating Working Capital ⁽²⁾ Percentage of LTM Sales	10.6%	10.6%	N/A	0 bps	In line with prior period
Cash Paid for Interest	\$11	\$22	(\$11)	(51.2%)	Principally driven by timing of payments associated with the Q3 2016 refinancing of long term debt
Cash Paid for Income Taxes	\$3	\$0	\$3	N/A	Principally driven by higher taxable income and intra-year payment timing

(1) See Appendix for a reconciliation of Adjusted Free Cash Flow.

(2) Operating Working Capital = A/R + Inventory – A/P.

2017 Guidance – End Markets Net Sales Commentary

(\$ in millions)

End Market	2016 Net Sales	2017 Midpoint	Commentary
North America On-Hwy	\$962	3%	Principally driven by higher Class 6/7 and Class 8 straight truck production partially offset by lower School Bus and Motorhome production
North America Hybrid-Propulsion Systems for Transit Bus	\$61	10%	Principally driven by timing of certain transit property orders
North America Off-Hwy	\$7	(14%)	Principally driven by decreased demand in the mining sector
Defense	\$115	(10%)	Principally driven by decreased Tracked Defense demand and unfavorable mix of increased Wheeled Defense demand
Outside North America On-Hwy	\$305	1%	Principally driven by increased fully-automatic penetration partially offset by continued challenging emerging market demand conditions
Outside North America Off-Hwy	\$12	58%	Principally driven by modest demand improvements in the mining and energy sectors
Service Parts, Support Equipment & Other	\$378	6%	Principally driven by increased demand for North America Off-Highway service parts

Allison expects first quarter net sales to be approximately flat compared to the same period in 2016 principally driven by increased demand expected in the Service Parts, Support Equipment & Other end market offset by decreased demand expected in the North America On-Highway and North America Off-Highway end markets.

2017 Guidance - Summary

	Guidance	Commentary
Net Sales Change from 2016	1.5 to 4.5 percent	Guidance reflects a modest increase in the North American On-Highway end market. Allison's 2017 net sales outlook also assumes price increases on certain products and a continued recovery in the Service Parts, Support Equipment & Other end market principally driven by increased demand for North America Off-Highway service parts partially offset by lower demand in the Defense end market.
Adjusted EBITDA Margin	33.5 to 35.5 percent	
Adjusted Free Cash Flow (\$ in millions)	\$345 to \$385	
CapEx (\$ in millions)		
Maintenance	\$65 to \$70	Subject to timely completion of development and sourcing milestones
New Products	\$5 to \$10	
Cash Income Taxes (\$ in millions)	\$55 to \$65	

APPENDIX

Non-GAAP Financial Information

Non-GAAP Reconciliations (1 of 2)

Adjusted EBITDA reconciliation

\$ in millions, Unaudited	For the year ended December 31,					Three months ended		Last twelve
	2011	2012	2013	2014	2015	December 31,		months ended
						2015	2016	December 31,
								2016
Net income	\$103.0	\$514.2	\$165.4	\$228.6	\$182.3	\$13.0	\$61.2	\$214.9
plus:								
Interest expense, net	217.3	151.2	132.9	138.4	114.5	20.8	16.8	100.9
Income tax expense (benefit)	47.6	(298.0)	100.7	139.5	106.5	6.7	33.5	126.4
Fee to terminate services agreement with Sponsors	—	16.0	—	—	—	—	—	—
Technology-related investment expenses	—	14.4	5.0	2.0	—	—	—	1.0
Public offering expenses	—	6.1	1.6	1.4	—	—	—	—
Impairments	—	—	—	15.4	81.3	80.0	—	—
Environmental remediation	—	—	—	—	14.0	—	—	—
Amortization of intangible assets	151.9	150.0	105.3	98.8	97.1	24.2	23.0	92.4
Depreciation of property, plant and equipment	103.8	102.5	98.7	93.8	88.3	22.5	20.7	83.5
Loss on redemptions and repayments of long-term debt	16.0	22.1	0.8	0.5	0.3	0.1	—	—
Stockholder activism expenses	—	—	—	—	—	—	0.2	3.9
Dual power inverter module extended coverage	—	9.4	(2.4)	1.0	(2.1)	—	—	1.3
UAW Local 933 signing bonus	—	8.8	—	—	—	—	—	—
Benefit plan re-measurement	—	2.3	—	—	—	—	—	—
Unrealized loss (gain) on commodity hedge contracts	6.5	(1.0)	1.5	(1.0)	1.1	0.4	—	(1.7)
Unrealized loss (gain) on foreign exchange	0.3	0.1	2.3	5.2	1.4	(0.2)	(0.1)	0.6
Expenses related to long-term debt refinancing	56.9	—	—	—	25.3	—	0.1	11.7
Restructuring charges	—	—	1.0	0.7	—	—	—	—
Other, net ⁽¹⁾	8.6	7.0	13.8	14.7	9.8	2.6	3.0	9.4
Adjusted EBITDA	\$711.9	\$705.1	\$626.6	\$739.0	\$719.8	\$170.1	\$158.4	\$644.3
Net Sales	\$2,162.8	\$2,141.8	\$1,926.8	\$2,127.4	\$1,985.8	\$478.2	\$468.9	\$1,840.2
Adjusted EBITDA margin	32.9%	32.9%	32.5%	34.7%	36.2%	35.6%	33.8%	35.0%

(1) Includes income related to benefit plan adjustments, employee stock compensation expense, service fees paid to Allison's Sponsors

Non-GAAP Reconciliations (2 of 2)

Adjusted Free Cash Flow reconciliation

\$ in millions, Unaudited	For the year ended December 31,					Three months ended December 31,		Last twelve months ended December 31,
	2011	2012	2013	2014	2015	2015	2016	2016
Net Cash Provided by Operating Activities	\$469.2	\$497.5	\$463.5	\$573.3	\$579.9	\$174.8	\$175.2	\$590.8
(Deductions) or Additions:								
Long-lived assets	(96.9)	(123.9)	(74.4)	(64.1)	(58.1)	(28.0)	(33.9)	(70.6)
Fee to terminate services agreement with Sponsors	—	16.0	—	—	—	—	—	—
Technology-related license expenses	—	12.0	6.0	6.1	0.2	—	—	—
Stockholder activism expenses	—	—	—	—	—	—	—	3.7
Excess tax benefit from stock-based compensation	—	5.3	13.7	24.6	8.4	0.2	4.3	6.4
Adjusted Free Cash Flow	\$372.3	\$406.9	\$408.8	\$539.9	\$530.4	\$147.0	\$145.6	\$530.3
Net Sales	\$2,162.8	\$2,141.8	\$1,926.8	\$2,127.4	\$1,985.8	\$478.2	\$468.9	\$1,840.2
Adjusted Free Cash Flow (% to Net Sales)	17.2%	19.0%	21.2%	25.4%	26.7%	30.5%	31.1%	28.8%